HUNDURE

HAMS-24

Software Manual

Version 2.3.23

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Revision History

Version Description

V2.0	First Edition		
V2 01	Modify 12-2 Schedule Setup and 6-1-9 Mifare write back and add hardware		
V2.01	RAC-930/970 Series.		
V2.1	Modify typesetting		
V2.1.1	Modify 5-10		
V2.2	Modify typesetting		
V2.2.1	Modify 12-1 &12-2-2 Backup Note.		
V2.2.2	Add Appendix C : Troubleshooting when install Window Server 2012		
	Add HTA-640		
V2.3	Modify typesetting		
V2.3.1	Modify 8-9 Note		
V2.3.2	Modify 5-1-4 and 5-3-2 Reader Type		
	Modify 5-5-1 Group Authorization Setting picture.		
V2.3.3	Add RAC-820PMFV and RAC-4600/4600N Controller type.		
	Modify 8-9Duty Attendance Report & 11-2-5 Schedule.		
	Modify 12-2 Dump Data -HAMS.		
V2.3.4	Modify 8-4-1 Time Shift Setting		
	Add 5-15 Biometric Reader Setting		
V2.3.5	Add HTA-500 Series.(Add Chapter8-10, 8-1-19~ 8-1-22)		
	HAMS-10 Add RAC-510 Series (Add Chapter 5-1-7~5-1-9)		
V2.3.6	HAMS-19 Add RAC-820PMF		
	Modify 5-10 Biometric Reader Setting		
V2.3.7	Add HTA-502PEF-N		
	Add 940/960/970PMD		
V2.3.8	Add 5-12 Mifare setting		
	Add RAC-970PMDF		
V2.3.9	Add a note.		
	Modify [Roll Shutter Mode] : For RAC-960PE/PM/PMD,RAC-970PE/PM/		
V2.3.9.1	PMD only.		
V2.3.10	Add the models HTA-500PEF-N 、HTA-500PEF-V 、HTA-502PEF-N		
	HTA-502PMF-NB、HTA-502PEF-V、HTA-502PEF-Y、HTA-502PMF-Y.		
V2.3.11	Add the models RAC-810PMF RAC-A10PM HAC-100		
	Modify 4-1 and 5-5		
V2.3.12	The Biometric Reader add PXR-96 Fingerprint reader.		
	The [Verify Device] is reserved.		

V2.3.13	Modify 11-1 Database Operation & 11-2-2 Backup
	Add the models HAC-101
V2.3.14	Add HDE-120, applying for cell phone APP to open the door and HAMS-
	FACE external program.
V2.3.15	Add HAC-510 and modify audio prompt only for HTA-852V1.X
100.040	HAMS-19 removed the function of starting the hardware verification and
V2.3.16	supported RAC-960PXF dual-card authorization function.
V2.3.17	Add HAC-512 series/HAC-710 series/RAC-971 series
V2.3.18	Add the models RAC-850PMFA
V2.3.19	Add HAC-4200N,HAC-A12 Series and HAC-871 Series
V2.3.20	Add RAC-971QE/QM(Parameters are the same as RAC-971PE/PM) /
	HDE-970 Series
V2.3.21	Add Emergency Card, Visitor Management, and HunFaceEY-Z2 Facial
	Recognition Terminal
V2.3.22	Delete the Database restore. / Modify Guest Access Operation
	Add HAC-971 Series / HAC-C2 Series
V2.3.22.1	Change the icon to BLE
V2.3.23	Modify Guest Access Operation

Quickly Guide

- First time to set access authorization. Procedure is as follows: HAMS-10
 - 1. Add new users
 - ▶ Basic → Cardholder Info Setting (Refer to Chapter 4-1)
 - 2. Create groups and assign authority
 - Access Control→ HAMS-10→Auth Setting→Group Auth Setting(Refer to Chapter 5-2-1)
 - 3. Download
 - ▶ Access Control → HAMS-10 → Auth Setting → Download (Refer to 5-2-3)

HAMS-19

- 1. Add new users
 - ▶ Basic→Cardholder Info Setting (Refer to Chapter 4-1)
- 2. Set time zone and time schedule
 - ➤ Access Control→HAMS-19→Access Control Time Schedule Setting(Refer to Chapter 5-4-1)
- 3. Create groups and assign authority
 - Access Control → HAMS-19→Auth Setting → Group Auth Setting(Refer to Chapter 5-5-1)
- 4. Download
 - Access Control → HAMS-19→Auth Setting → Download(Refer to Chapter 5-5-3)

- 1. Add users
 - ▶ Basic→Cardholder Info Setting (Refer to Chapter 4-1)
- 2. Set time zone and time schedule
 - Access Control → HAMS-24 → Access Control Time Schedule Setting(Refer to Chapter 5-7-1/5-7-2)
- 3. Create groups and assign authority
 - Access Control→ HAMS-24→Auth Setting→Group Auth Setting(Refer to Chapter 5-10-1)
- 4. Download
 - Access Control → HAMS-24 → Auth Setting → Download (Refer to Chapter 5-10-3)

- When there is a new user, how to set user access authority? HAMS-10
 - 1. Add user
 - ▶ Basic→Cardholder Info Setting (Refer to Chapter 4-1)
 - 2. Authorization
 - Access Control→ HAMS-10→Auth Setting→Group Auth Setting(Refer to Chapter 5-2-1)
 - In the Group Auth Setting, select groups and click Cardholder, tick the check box of users and click OK, authority setting is completed.
 - 3. Download
 - Access Control→ HAMS-10→Auth Setting→Download(Refer to Chapter 5-2-3)
 - Select download by By Group Auth or By Device → Modification → Start
 Download.

HAMS-19

- 1. Add user
 - > Add user Basic \rightarrow Cardholder Info Setting (Refer to Chapter 4-1)
- 2. Authorization
 - Access Control→ HAMS-19→Auth Setting→Group Auth Setting(Refer to Chapter 5-5-1)
 - In the Group Auth Setting, select groups and click Cardholder, tick the check box of users and click OK, authority setting is completed.
- 3. Download
 - Access Control→ HAMS-19→Auth Setting→Download(Refer to Chapter 5-5-3)
 - Select download by By Group Auth or By Device → Modification → Start
 Download.

- 1. Add user
 - ▶ Basic→Cardholder Info Setting (Refer to Chapter 4-1)
- 2. Authorization
 - Access Control→ HAMS-24→Auth Setting→Group Auth Setting(Refer to Chapter 5-10-1)
 - In the Group Auth Setting, select groups and click Cardholder, tick the check box of users and click OK, authority setting is completed.

- 3. Download
 - Access Control → HAMS-24 → Auth Setting → Download(Refer to Chapter 5-10-3)
 - Select download by By Group Auth or By Device → Modification → Start
 Download.
- When user leave, how to remove his access authority? HAMS-10
 - 1. Remove user authority
 - Access Control→ HAMS-10→Auth Setting→Group Auth Setting(Refer to Chapter 5-2-1)
 - In the Group Auth Setting, select group and click Cardholder, un-tick the check box of user and click OK, remove is completed.
 - 2. Download
 - Access Control → HAMS-10 → Auth Setting → Download(Refer to Chapter 5-2-3)
 - Select download by By Group Auth or By Device → Modification → Start
 Download.
 - 3. Delete the user from cardholder list
 - ▶ Basic→Cardholder Info Setting (Refer to Chapter 4-1)
 - Search the user by Name, Card No, Phone and Emp No. And click delete.

- 1. Remove user authority
 - Access Control→ HAMS-19→Auth Setting→Group Auth Setting(Refer to Chapter 5-5-1)
 - In the Group Auth Setting, select group and click Cardholder, un-tick the check box of user and click OK, remove is completed.
- 2. Download
 - Access Control → HAMS-19→Auth Setting → Download(Refer to Chapter 5-5-3)
 - Select download by By Group Auth or By Device → Modification → Start
 Download.
- 3.Delete the user from cardholder list
 - ▶ Basic → Cardholder Info Setting (Refer to Chapter 4-1)

Search the user by Name, Card No, Phone and Emp No. And click delete.

HAMS-24

- 1. Remove user authority
 - Access Control → HAMS-24 → Auth Setting → Group Auth Setting(Refer to Chapter 5-10-1)
 - In the Group Auth Setting, select group and click Cardholder, un-tick the check box of user and click OK, remove is completed.
- 2. Download
 - Access Control → HAMS-24 → Auth Setting → Download(Refer to Chapter 5-10-3)
 - Select download by By Group Auth or By Device → Modification → Start
 Download.
- 3. Delete the user from cardholder list
 - > Basic→Cardholder Info Setting (Refer to Chapter 4-1)
 - Search the user by Name, Card No, Phone and Emp No. And click delete.
- How to set export format
 - 1. Export format
 - System \rightarrow Schedule \rightarrow select "Export Setup" (Refer to Chapter 11-2-1)
 - > In this page, you may select the fields.

Example: Request export report format as :

"2009/09/09,13:55:26,0001535800,000000002,00"

- 1. Select User-Defined and input ["], then click [NEW].
- 2. Select Swiped Date, and then click [NEW].
- 3. Select User-Defined and input [,], then click [NEW].
- 4. Select Swiped Time, and then click [NEW].
- 5. Select User-Defined and input [,], then click [NEW].
- 6. Select Card No., and then click [NEW].
- 7. Select User-Defined and input [,], then click [NEW].
- 8. Select Device ID, and then click [NEW].
- 9. Select User-Defined and input [,], then click [NEW].
- 10. Select Shift No, and then click [NEW].
- 11. Select User-Defined and input ["], then click [NEW].

HAMS-10

- 1. How to close reader numerical and function keys.
 - Access Control→HAMS-10→ Access Control Hardware Setting→
 Parameter 2 →Keypad / Function key (Open or Close)

HAMS-19

- 1. How to disable/enable reader numerical and function keys.
 - Access Control →HAMS-19→ Access Control Hardware Setting → select the deice→ Parameter 1 → Keypad Setup (Un-tick the check box to disable keypads function)

- 1. How to disable/enable reader numerical and function keys.
 - Access Control→HAMS-24→Reader Parameter Setting (Refer to Chapter 5-8) → Un-tick the check box to enable or disable keypad function.

Chapter 1 About HAMS-24

HAMS-24 is modular design software with a single platform and a centralized database intended for Access Control, Time & Attendance, Elevator and Parking Management System. The integrated database design gathers different devices together and avoids duplicate data and inconveniency in data management. HAMS-24 support TCP/IP and COM port communication and provides English, Traditional and Simplified Chinese. To support localized language, the software comes with a language translation function for clients who wish to translate the software to their own language.

Chapter 2 HAMS-24 Overview and Features

Modular designs software, suit for different application

- Modular design software integrates access control, time Attendance, elevator management and parking control in a unified platform. Provide wide expansion for current and future operation.
- Multi-function application, provide cheaper but complete program.

Using Object-Oriented Programming, expedites client software development time

- Programmed in Visual Studio .NET C#, object-oriented program design for flexible software customization.
- Capable of meeting different user requirements.
- Special modular design, support 3rd party integration.
- Access database, easy and quick installation. Support users in developing different database.

Multi-language support

- Use XML as a multi language switching data format to provide a customized development and design tool.
- Provide multi-language tool, shorten compose time.
- Provide flexible wording which base on different countries' demands.

Wide selections of communication interface and parameter setting.

- Support communication via RS-232, USB or TCP/IP.
- Synchronization function and parameter setting.
- Anti-pass back setting.
- Conditional unlock door function.
- Able to set retrieve code length and index
- Reader tamper proof alarm
- Maximum attempts to trigger re-swipe card alarm function supported; System ceases operation and enters security mode upon reaching max failed access attempts.

Access Control Management System

- Cardholder information management, with photo capture and query.
- Cardholder authorization setting allows users to easily set access authorization by door group.
- User-defined card number, access authorization and card validity.
- Anti-pass back setting.
- Holiday setting.
- Support several time schedule and holiday groups.
- Download all or download modified data for a more efficient data transmission.
- Events monitor and alarm event report.
- Access records query and report generation.

Schedule Setup

- Scheduled different operation modes in specific time.
- Schedule setup included:
 - Export records setup: User-define export path and column.
 - Synchronization: Synchronize to all controllers or specific controllers.
 - Backup setting.
 - First-last records export for time and attendance used.

Elevator Management

- Maximum attempts to trigger re-swipe card alarm function supported; System ceases operation and enters security mode upon reaching max failed access attempts.
- Ignores invalid card swipes.
- Saves access authorization within Mifare card thereby supporting unlimited cardholders.
- Controls up to 160 floors per elevator.(HDE-200/200N)
- Provide 128 time schedules per elevator.
- Configurable accessible floor and time.
- Elevator access records query and report generation.

Parking Management

- Full control of parking barrier to ensure smooth traffic flow on entry and exit.
- Anti-pass back setting, prevents multiple entry using a single card.
- Diversified time schedules for parking control.

• Car access records query and report generation.

Time & Attendance Management

- Flexible management of employee's records.
- Friendly operation and quick setup of shift schedules.
- User-defined work hours, work schedules, work shifts etc.
- Export function supported for immediate calculation of employee's time attendance records.
- Employee's time & attendance query and report generation.

Patrol Management

- Support all controllers with patrol function.
- Patrol schedule and routes setting.
- Patrol Duty Status Setting.
- Checkpoint events query and report generation.

Chapter 3 System Requirement

Software Develop Tool

- Visual Studio 2005 C#.
- Windows Application.

Operating System

- Windows XP Professional.
- Windows 2003 Server.
- Windows 2008 Server(32bit).
- Windows 7 Home Premium(32bit/64bit)
- Windows 7 Professional(32bit/64bit).
- Provides English, Traditional and Simplified Chinese.

Database

- Access.
- Microsoft SQL Server 2000 (Option).
- Microsoft SQL Server 2005(Option).

Hardware Requirement

- Processor : Dual Core Processor and above.
- Memory : 2G memory and above.
- Hard Drive : 320GB HDD and above.
- Monitor : 1024 x 768 at least.
- At least a set of com port.
- Built-in 10/100 RJ45 TCP/IP communication.

Chapter 4 Installation

HAMS-24 Installation Procedure:

 Put the CD enclosed in the package in CD ROM drive. The system will check if the PC had installed .Net Framework2.0. If PC does not have it, system will visit Windows website to upgrade the system. User can also install .Net Framework2.0 manually through CD.



2. Select [I accept the agreement] then click [Next].
	Setup - HAMS-24
	License Agreement Please read the following important information before continuing.
	Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.
	SOFTWARE AGREEMENT
	PLEASE READ THIS SOFTWARE AGREEMENT CAREFULLY BEFORE USING THE SOFTWARE.
	BY CLICKING ON THE "ACCEPT" BUTTON, YOU ARE CONSENTING TO BE BOUND BY THIS AGREEMENT.
	 I accept the agreement I do not accept the agreement
	< Back Next > Cancel

3. Please select folder path. You can click browse to select path which you want to put. After that, please click [Next].

it, please	Click (Next).		
	o - HAMS-24		
	ct Destination Location here should HAMS-24 be installed?		
	Setup will install HAMS-24 into the following	ng folder.	
То	continue, click Next. If you would like to select a	a different folder,	dick Browse.
	:\HAMS-24		Browse
At	least 71.9 MB of free disk space is required.		
Aclease 71.9 Mb of free disk space is required.			
		Back Next	t > Cancel

4. Input shortcut name in start menu folder, then click [Next].

Setup - HAMS-24	
Select Start Menu Folder Where should Setup place the program's shortcuts?	
Setup will create the program's shortcuts in the following Sta	art Menu folder.
To continue, click Next. If you would like to select a different folder,	dick Browse.
HAMS-24	Browse
< Back Next	> Cancel

5. Tick the check box to create an icon on the desktop, and then click [Next].

Select Additional Tasks Which additional tasks should be performe	d?
Select the additional tasks you would like S then click Next.	etup to perform while installing HAMS-24,
Additional icons:	
Create a desktop icon	
Install Extend components	
Install DotNet Framework 4.0	
	< Back Next > Cancel

6. Click [Install] to starting the installation of HAMS-24.

🛃 Seti	tup - HAMS-24	x
	eady to Install Setup is now ready to begin installing HAMS-24 on your computer.	B
	Click Install to continue with the installation, or click Back if you want to review or change any settings.	
	Destination location: C:\HAMS-24	
	Start Menu folder: HAMS-24	
	Additional tasks: Additional icons: Create a desktop icon Install Extend components Install DotNet Framework 4.0	
	< Back Install Cancel	

谩 Setup - HAMS-24	
Installing Please wait while Setup installs HAMS-24 o	n your computer.
Extracting files C:\\Local\Temp\is-1IRE3.tmp\dependen	icies\dotNetFx40_Full_x86_x64.exe
	Cancel

7. Click [Next] to install Crystal Report for .Net Framework2.0

🕼 Crystal Reports for .NET Framework 2.0 (x86)	
Welcome to the Crystal Reports for .NET Framework 2.0 (x86) Setup Wizard	
The installer will guide you through the steps required to install Crystal Reports for . 2.0 (x86) on your computer.	NET Framework
WARNING: This computer program is protected by copyright law and international Unauthorized duplication or distribution of this program, or any portion of it, may res or criminal penalties, and will be prosecuted to the maximum extent possible under Cancel	sult in severe civil

8. Select [I Agree] and click [Next].

Crystal Reports for .NE	I Framework 2.0 (x86)	
₋icense Agreemer	ıt	
Please take a moment to read Agree", then "Next". Otherwise	the license agreement now. If ye e click "Cancel".	ou accept the terms below, click "I
CRYSTAL REPORTS	S FOR MICROSOFT VISUA AGREEMENT	AL STUDIO 2005 LICENSE
YOU AND BUSINESS O FOR THE BUSINESS OF WHICH MAY INCLUDE PRINTED MATERIALS ("SOFTWARE"). BEFO	BJECTS SOFTWARE LIMI JECTS SOFTWARE PRODU COMPUTER SOFTWARE, AND ONLINE OR ELECTRO RE CONTINUING WITH TH	ASSOCIATED MEDIA,
◯ I <u>D</u> o Not Agree		
	Cancel	< <u>B</u> ack <u>N</u> ext >

9. Staring install .Net Framework2.0.

🕼 Crystal Reports for .NET Framework 2.0 (x86)	
Installing Crystal Reports for .NET Framework 2.0 (x86)	
Crystal Reports for .NET Framework 2.0 (x86) is being installed.	
Please wait	
Cancel < <u>B</u> ack	Next >

10. .Net Framework2.0 installation completed. Click [Close].

Installation Comp	lete	
Crystal Reports for .NET Fram Click "Close" to exit.	ework 2.0 (x86) has been successfully ins	stalled.
Please use Windows Update	to check for any critical updates to the .N	ET Framework.

11. Please select system data language (Current provides English, Traditional and Simplified Chinese). Click [OK], the installation completed.

📕 Language	
System	
System data language	
English	•
	OK Cancel

12. HAMS-24 installation completed. Click [Finish].

j글 []] Setup - HAMS-24	
	Completing the HAMS-24 Setup Wizard
	Setup has finished installing HAMS-24 on your computer. The application may be launched by selecting the installed icons.
	Click Finish to exit Setup.
	Finish

Chapter 5 HAMS-24 Start-up

1. Login HAMS-24

There are two ways to execute the program.

- Double click HAMS-24 shortcut icon on desktop.
- Click Start→Programs→HAMS→HAMS

Default account is ADMIN and password is ADMIN. Click OK. A screen will pop out and ask if you want to create a new account.

🔜 Login 📃 🗖 🗙	💀 Suggestion
Account Password OK Cancel	Do you want to modify now? Do you want to create a new account? Yes Later

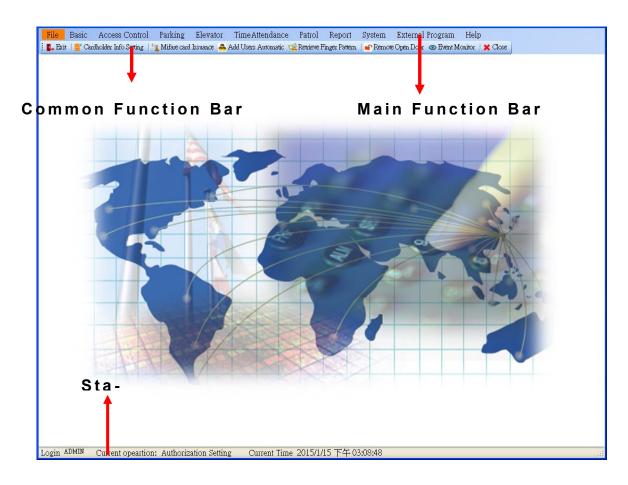
We recommend clicking [Yes]. Then system will proceed to adding worksheet screen. Steps:

- 1. Click [New].
- 2. Input new supervisor name, account and password.
- 3. When operation authority is supervisor, all the check boxes will be ticked and original HAMS-24 account ADMIN and password ADMIN will lose efficacy automatically. If general user is selected, users need to tick the programs in which the particular user has authorization to execute.
- 4. Click [Save].



2. System Workspace Description

There are three parts: Main Function Bar, Common Function Bar and Status. When using sub-item of main function bar, the icon will show different color to highlight current work-space, allowing the user to easily know which sub-item he is browsing.



Tips :

- Change background : Point at background and press right key of mouse, and then appoint path of JPG or BMP file.
- Select all : You can click the mouse in the left upper corner of sheet, all are becoming blue as well. It is select all.

Modi	ify Can	i cel Save Cancel	Advance	: 🗹 Se	elect 🔲	Reverse S	elect
	No	Start Time	End Time	All		Name	No
•	0	00:00	23:59	▶1		DAV1	0000000001
	1	00:00	00:00	2		DAV2	00000002

Modify Cancel Save Cancel Advance				
	No	Start Time	End Time	
Þ		00:00	23:59	
	1	00:00	00.00	
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			

🖬 Select 🔲 Reverse Select				
All		Name	No	
▶1		DAV1	000000001	
2		DAV2	00000002	
3		DAV3	00000003	
4	े ले	DAV4	000000004	
5		DAV5	000000005	
6		DAV6	00000006	
7		DAV7	000000007	
8		DAV8	000000008	
9		DAV9	00000009	
10		DAV10	000000010	
11		DAV11	000000011	
12		DAV12	000000012	
13		DAV13	000000013	
14		DAV14	000000014	
15		DAV15	000000015	

1. Function Bar List :

File	Basic
Company Information	*Cardholder Info. Setting
Parameter Adjustment	Department Info. Setting
Language	Card Issuance Operation →
	*Mifare Card Issuance
	Temporary Card Issuance
	Issuance Guest Card
Logout	Operators Setting
	Import /Export

Access Control	Parking	
HAMS-10→		
Access Control Hardware Setting	Parking Setting	
Auth Setting		
HAMS-19→		
Access Control Hardware Setting	Derking Time Schedule Setting	
Access Control Time Schedule Setting	Parking Time Schedule Setting	
Auth Setting		
HAMS-24→		
Access Control Hardware Setting	Parking Auth Satting	
Access Control Time Schedule Setting	Parking Auth. Setting	
Auth Setting		
Event Monitor	Parking Access Report	
Add Users Automatic		
Retrieve Biometric Characteristics		
Remote Open Door		
Biometric Reader Setting		

Elevator	Time Attendance	
Elevator Controller Type→HDE-100 HDE-200	Hardware Setting	
Elevator Setting	Auth Setting	
Elevator Time Schedule Setting	Time Attendance Setting	
Elevator Cardholder Auth. Setting	Duty Shift Setting	

HUNDURE

Swipe Card Report	Input Operation
Elevator Cardholder Auth Report (for HDE-100)	Attendance Records Transferring
	Time Attendance→
	Late Statistic
	Un-swipe Card Report
	Daily Attendant Statistic
	Working Status Report
	Employee Access Report
	Leave Statistic
	Working Hours Report
	Attend Report
	Duty Attendance Report

Patrol	Report
Patrol Hardware Setting	Cardholder Info. Report
Patrol Route Setting	Department Info. Report
Patrol Duty Status Setting	Hardware Event Report
Patrol Report By Line	Swipe Card Report
Patrol Report By Status	Alarm Report
	Temporary Card Report
	Guest Card Report
	Login Report
	History Report
	First-Last Report
	Unknown Report
	First-Last Monthly Report

System	External Program
Database Operation	Dump Tool
Schedule	
Manual Export	

Help	
Service	
V1.X	

- 2. Common Function Bar: Above sub-items with 「*」 mark has its own icon on the common Function Bar.
- 3. Status: Display log in account, current operation function and current date and time.

3. File

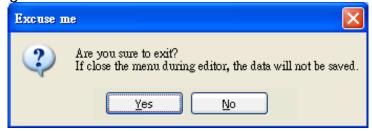
3-1 Company Information

Please input company name and customer service line.

Company name is necessary; due to it is the supervisor department of all sub-department. The new company name will appear on "Department Info. Setting" program. If you want to modify information, please go to "Department Info. Setting"

🔜 Company Information	
Company Name	
TEST]
Service phone number	-
Save Exit	
	.::

Click the button "Exit", system will pop up a message to check if you want to exit this function before the saving.



Click the 'Exit" button in HAMS and may log out the HAMS system.



3-2 Parameter Adjustment

Adjusts parameter of Mifare card reader. Double click on the column "value" and input the value directly, then click $\ \ \ Save_{\perp}$.

1. Reader : Mifare card reader setting includes:

- Key B : Input Mifare Key value. Default is FFFFFFFFFF •
- Key A : Input Mifare Key value. Default is FFFFFFFFFFF •
- Compress : Compressed or not. (Default)Value 0 signifies uncompressed card number. Value 1 signifies compressed card number.
- ELVKey : Reserved

pe	Reader			•
	Pattern	Description	Value	
	KeyB	Key B Setting	*****	
	KeyA	Key A Setting	****	
	Compress	Compress Card No?	0	
	ELVKey	EL Group Password	****	
	McardKey	mCard Key	****	
	VerifyKey	Verify Key	*****	

- McardKey: The Mcardkey must be set to use the mobile phone to open the door. (Can be set to 24 bytes, limited to English / number)
- VerifyKey: The Verifykey must be set to use the mobile phone to open the door. (Can be set to 24 bytes, limited to English / number)

Note: The key set by McardKey and VerifyKey cannot be the same.

Then refer to Chapter 4-1-1 to apply for mobile phone to open the door.

pe	Reader			•
	Pattern	Description	Value	
	KeyB	Key B Setting	***	
	KeyA	Key A Setting	****	
	Compress	Compress Card No?	0	
	ELVKey	EL Group Password	****	
	McardKey	mCard Key	123456	
9	VerifyKey	Verify Key	654321	

[Database Manager]

DBsize(MB): Input value of database size. When the database is almost full, system will pop on the message to remain user to compact database or re-set database size.

🛃 Para	meter Adjustment				
i 🔂 Exi	it 📔 Save 📋				
Туре	Database Manager			~	
	Pattern	Description	Value		
۱.	DBSize	Database File Size(MB)	500		

[Elevator Device]

If you had installed elevator control panel, please select elevator model here.



【Mail】

Description of fields (Please refer to current mail box settings) SmtpServer : Mail server SmtpSort : SMTP Port LoginID : Account LoginPass : Password MailAddr : EMAIL address ° Subject : Subject MailFrom: Sender

Note: Mail address is necessary field. Please input mail address in cardholder info setting too. If mail address is filled, when there are events, system will send mail to the user. (The QRCode of the visitor card is also sent to the visitor from here)

📑 Рата	meter Adjustmen	t		
Exi	it 📔 Save 📔			
Туре	E-Mail			
	Pattern	Description	Value	
۱.	SmtpServer	SMTP Server	msa.hinet.net	
	SmtpPort	SMTP Port	25	
	LoginID	Account	alan	
	LoginPass	Password	alan	
	MailAddr	E-MAIL Address	alanlai075@gmail.com	
	Subject	Subject	test	
	MailFrom	From	alanlai075@gmail.com	

[Show Message Mode]

Support LCD display monitor type and provide Name, Name (only display one word, use O), Employee number and card number for the displayed message.

🖳 Para	ameter Adjustment	
: 🔂 E	kit 🔛 Save	
Туре	Show Message Mode	T
	Name	
	Name(Only display one word, use O)	
	💿 Card No.	

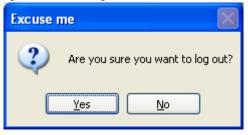
3-3 Language

System provides English, Traditional Chinese, Simplified Chinese and Spanish. After select language, click $\lceil OK_{\perp} \rangle$, system will back to login screen.

🔜 Language	
🗄 😋 Exit 📔 🔛 Save	
Cartan data la mara	
System data language	
English	

3-4 Log Out

When you click Log out, system will pop up a screen asking for a confirmation. Click \lceil Yes \rfloor , and the system will go back to log in screen.



4. Basic

4-1 Cardholder Info. Setting

Support adding, delete, modify cardholder information and card number. Adding Cardholder Operation Steps :

- 1. Click 「New」, input cardholder information.
 - Name (required), 20 letters available.
 - Department (Click Key ... will link to Department Info. Setting.), 10 letters available.
 - Emp. No.(required), 10 letters available.
 - Second name, 40 letters available.
 - Date Start, 8 letters available.
 - Resignation Date, 8 letters available.
 Note: The date start and resignation will be regarded as the effective date of the card under the HDE-120 device.
 - Card No, 16 letters available.
 - Password : Allow users access by card+ password. Max. 4 digits.
 Note: The HAC-100/101 device, the password is fixed at 4 codes.
 - Duty Shift Name: Click key ... will link to Duty shift setting.
- 2. Click "Advanced", you can input other information as below:
 - Birth Date, click drop down menu, you can select date.
 - Phone 1, 15 letters available.
 - Address, 50 letters available.
 - Phone 2, 15 letters available.
 - Defined1: This field is for operator to make notation. Ex: A building or B building.

lt

will not show on the report or controller.

- Defined2: Same with above.
- National ID No., 15 letters available.
- E-mail, 30 letters available.
- 3. Click 「Save」.

							Biometric Characteristics 🛶 Rer Preceding > Next > Las			
Select		•	Records:10	00						
	Name	Emp No	Department	-		Name:	DAV1			
1	DAV1	0000000001	А		L 1	Department	A			
2	DAV2	000000002	A		L 1	-				
3	DAV3	000000003	A	=	L 1	Emp No:	0000000001			
4	DAV4	000000004	A		L 1	Second Name:				
5	DAV5	000000005	A		1	Date Start:	· · · · · · · · · · · · · · · · · · ·			
6	DAV6	000000006	A		I 1	Resignation Date:	· · · · · · · · · · · · · · · · · · ·			
7	DAV7	000000007	A		I 1	- Card No:	0000000001			
8	DAV8	000000008	A		I 1				Photo Sett	ing
9	DAV9	000000009	A		I 1	Password:			Photo Del	ete
10	DAV10	0000000010	A		I 1	Duty Shift Name				
11	DAV11	0000000011	A				Card Swiped Only			
12	DAV12	000000012	A			Card No	Type Biometric Charact	Card Type	Card Grou	Add
13	DAV13	0000000013	A		Þ.	000000001				
14	DAV14	000000014	A							Delete
15	DAV15	000000015	A		< □					BlackList
16	AMY16	000000016	В	10	H	Car	Name			
17	AMY17	000000017	В		Þ	Group aa	INSULC			HAMS-19 -
18	AMY18	0000000018	В							Time Zone Setting
19	AMY19	000000019	В							Group Setting
20	AMY20	000000020	В							· · ·
21	AMY21	0000000021	в							Download Type Download All
22	AMY22	000000022	в							Modification

4. Card No.: To add more cards to a cardholder, please check follow steps.

Add New C		ey Add, a screen will pop up, please input
	card number and	select card type.
 Delete Card Card No : 	J J J J J J J J J J J J J J J J J J J	ey <u>Delete</u> , a screen will pop up, please in- and select the reason.
 Blacklist Se 	etting: Click Card No. ke set as blacklist ca	ey <u>Black List</u> , the card will be automatically ard.

- If you want to modify the card information, please select the card from the list and 5. double click to modify it.
- 6. Click "OK" to complete the card number.

OK" to complete the card number.	
🖳 Add New Card	🖳 Delete Card
Card No: Card Type Valid card Valid card Patrol Card Patrol Card Patrol Card Fraternity Card Card Group OK Cancel	Card No: 000000001 Delete Reason Lost Change Card Confirm Cancel

Card Type : (HAC-710/RAC-971QE/RAC-971QM/HAC-A12 series support priority card and supervisor card)

- Valid Card: Default.
- Patrol Card: Need to work with patrol function.
- Supervisor Card: The card is not restricted by time schedule, and is for supervisor.
- Fraternity Card: The card can unlock door for 30 seconds, and is for special condition user.

🖳 Add New Card	
Card No:	
Card Type Valid card	
Card Type	
Main Card Slave Card Multiple card	
OK Cancel	

Card Type :

- RAC-960 Fingerprint Controller: Please refer to (HAMS-19) hardware setting chapter (Parameter 2), tick "Dual card" to enable the function.
 - Only two people swipe their cards or scan their fingerprints to unlock the door during the restricted time.
 - The two users must be in Group A, or two users must belong to the different groups (one is in Group A and the other is in Group B), but they cannot be in Group B.

Dual card function description	Authorized unlock door
During the period, unlock the door	Success
by swiping card of Group A + card	
of Group A	
During the period, unlock the door	Success
by swiping card of Group A + card	
of Group B	
During the period, unlock the door	Failure
by swiping card of Group B + card	
of Group B	

• RAC-2400 Control Panel: RAC-2400 Control Panel: About master/slave card and

dual card setting, please refer to "Modify DOOR" in Hardware Setting Chapter (HAMS-24). In "Reader Action Setting", select "Master / Slave Card Time Schedule" and set to "Access Door Point" to enable this function.

- Master/Slave Card: In the same group, any master card matches any slave
- Dual Card: Swipe any two cards of the same group can unlock the door.

Card Group : There are 64 groups for master/slave card and dual card combination. With RAC-960 / RAC-2400 can set the groups.

「Select」 icon provides search by name, card number, phone 2 or Emp. No. User will get all employee information as required after clicking 「Search」. Return to beginning screen with all cardholders information, please click 「Update」.

Other Icon functions :

- Photo Setting : It is recommended that the photo file not exceed 100K for the optimum display. Support JPG
 BMP
 GIF format. Click
 Photo delete
 to delete
 photo.
- Card Swiped Only : When tick the check box, it signifies the cardholder may access by card, do not need use biometric characteristics. (For biometric characteristics device only)
- Software selection: Please select what software you want to use.
- Time Zone Setting : Time zone setting page will pop up after click this button. If the controller does not have time zone function. This button is no effect.
- Group Setting : Authorization setting page will pop up.

 You can create authority directly.

Download Type :

- Download All : Download all users' information and authorizations.
- Modification : Download modified users' information and authorizations.
- Download : Please click download button and system will download into controller.

elec		• Date 1	Records:100			I ∢ Preceding ► Next ► Last record	A, obme P libbly (o open door of our protec
cia	Name	Emp No	Department		1			
	DAV1	000000001	A	ĥ	Name:	DAV1		
	DAV2	000000002	A		Department	A •		
	DAV3	00000003	A	Ε	Emp No:	0000000001		
	DAV4	000000004	A		Second Name:			
	DAV5	000000005	A	L	Date Start:			
;	DAV6	000000006	A		Resignation Date:			
,	DAV7	000000007	A		-	0000000001		
	DAV8	000000008	A		Card No:		Photo Settir	ıg
•	DAV9	000000009	A		Password:		Photo Dele	te
0	DAV10	0000000010	A		Duty Shift Name	•		
1	DAV11	0000000011	А			Card Swiped Only		
2	DAV12	000000012	А		Card No	Type Biometric Charact Can	d Type Card Group	Add
3	DAV13	000000013	A		COCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Valid card X		
4	DAV14	0000000014	А					Delete
5	DAV15	0000000015	А		٠ [4	BlackList
6	AMY16	0000000016	В		Groun	Name		
7	AMY17	0000000017	В		🕨 🔳 aa			HAMS-19 -
8	AMY18	0000000018	В					Time Zone Setting
9	AMY19	0000000019	В					Group Setting
0	AMY20	000000020	В					Download Type
1	AMY21	000000021	В					Ownload All
2	AMY22	0000000022	В	Ŧ				Modification

4-1-1 Apply to open door by cell phone

After scanning the QRCODE displayed by the system to get the card number, BLE APP can be used to open the door.

Caution: Before applying for door open with cell phone, please download the BLE App on your cell phone. After the installation is complete, open the App and verify the code with software verification.

Please set the McardKey and VerifyKey keys first (refer to section 3-2 Parameter Adjustment) and mKey settings. (Please refer to chapter 5-10-5 mKey settings).

Operation steps:

1. Select user name, click on Apply to open door by cell phone to open the screen.

Selec	ct	•	Records:100	
	Name	Emp No	Department	
1	DAV1	000000001	А	
2	DAV2	000000002	A	Department A
3	DAV3	000000003	A	Apply to open door by cell phone
4	DAV4	000000004	A	Exit [2] Display QRCode Schemal
5	DAV5	000000005	A	. G. Intil 9. Dishay Okcode Scilo Intell
6	DAV6	000000006	A	Name DAV1
7	DAV7	000000007	A	
8	DAV8	0000000008	A	Emp No 000000001 tting
9	DAV9	000000009	A	Card No 0000000001 velete
10	DAV10	0000000010	A	Verification code
11	DAV11	0000000011	A	
12	DAV12	000000012	A	Add
13	DAV13	0000000013	A	
14	DAV14	0000000014	A	Delete
5	DAV15	0000000015	A	BlackList
16	AMY16	0000000016	В	i
17	AMY17	000000017	В	
18	AMY18	0000000018	В	Time Zone Setting
19	AMY19	0000000019	В	Group Setting
20	AMY20	000000020	В	Download Type
21	AMY21	0000000021	В	 Download All
22	AMY22	000000022	В	Modification
23	AMY23	000000023	в	Download
24	AMY24	000000024	В	
25	AMY25	000000025	В	
26	AMY26	000000026	В	

2. Open the BLE APP in cell phone at the same time, a verification code will appear, input the verification code in this field.

🖳 Apply to open door by cell phone	
🗄 📴 Exit 🔐 Display QRCode 🔤 Send Email	
Name DAV1	
Emp No 000000001	
Card No 0000000001	-
Verification code	

3. Click on Display QRCode, and then QRCode will be shown on the screen.

🖳 Apply to open door	by cell phone	
📴 Exit 🔡 Display Q	RCode 🔤 Send Email	
Name	$\overline{}$	
Emp No	000000001	
Card No	000000001 -	
Verification code	123456	
		_
	1.00054	
$\overline{\mathbf{z}}$	5 19 1 2 w	ā
	. (B. 488)	<u>s</u>
5	200 C 100	2
- 12		
	1.22.22	
L=		

4. When then use the barcode scanner in the BLE APP, scan the QR Code to complete the registration, and the card number is paired to the cell phone.

4-2 Department Info. Setting

Add or modify department information. When creating a new department, the system sets company name as supervisor department. The system only supports one company name.

Operation Steps :

- 1. Click Department Name, it will have backlight.
- 2. New : Department number and name are necessary. Null not allowed for Contact person/Phone 1/Fax No./Mailing add.
- 3. Modify : Select the department and click 「Modify」 to revise the data. Please note that Department number can not be modified.

🖶 Department Info Setting		
📴 📫 🦊 🔜 🖬 🕐 Exit New Modify Delete Save Cano	1	
E ABC PD PR RD SALE	Dep No Coccoccol Dep Name ABC Dep. Manager Phone Far No Address	Supervisor Dep Name

4-3 Card Issuance Operation/ Mifare Card Issuance

Please connect with external Mifare encoder. It may avoid duplication inputting. Operation Steps:

- 1. IM-1100U : After check the box, please select to use IM-1100U encoder.
- 2. IM-1000 Port : Select communication port.(For IM-1000 only)
- 3. Write Data : Data format should be HEX or ASCII code.
 - Sample HEX value : ABCDEF123456789042
 - Sample ASCII code: 43 44 45 46 47 31 32 33 34 35 36 37 38 39 30
- 5. Click \ulcorner Write $_$ to write data to Mifare card.

elect Name	- Q.	Search	IM1100U	
Name	Card No	*		
DAV1	0000000001		IM-1000U Port	
DAV2	000000002	-	COM1 ·	
DAV3	000000003	E	Write In Block	
DAV4	000000004		01 -	
DAV5	000000005			
DAV6	000000006		Write Data	
DAV7	000000007		HEX ASCII code Write	
DAV8	000000008		0000000001	
DAV9	000000009		Initialize Mifare Key Value	
DAV10	0000000010			
DAV11	0000000011		Read Data	
DAV12	000000012			
DAV13	000000013			
DAV14	0000000014			
DAV15	0000000015			
AMY16	000000016			
AMY17	000000017			
AMY18	0000000018			
AMY19	000000019			
AMY20	000000020			
AMY21	000000021			
AMY22	000000022			
AMV23	00000023			

4-4 Card Issuance Operation/ Temporary Card Issuance

Assign the temporary card to user.

Operation Steps :

- 1. In Management Temporary Card workspace , click \lceil New $_{
 m J}$.
- 2. Input temporary card number.
- 3. Click \lceil Save \rfloor to save the card number.

File Basic Access Control Attendance Recorder Elevator Parking TimeAttendance Patrol Report System External Program Help
Normal Model & Detect & Source & Concel
Card No Condition
> ototototot kae
200020000 kile
Login ADMIN Current opeartion: Temporary Caul Issuance Current Time 2014/377 下午 05:05:04

- 4. In Issuance Temporary Card workspace, click 「Search」. Card no. for all cardholders will be shown on the left side. Click a cardholder then click temporary card number, the temporary card will be assigned.
- 5. If you want to cancel, click \lceil Cancel Temporary Card \rfloor .

Above temporary card setting will be affected after download.

	rd Management Temp		-			etrieve Finger Templates	🛛 💕 Remote Open D	oor 💿 Event Mo	nitor 🔀 Close		
angeona oa	Department	vear à Cata	- 0	Search	Setting C	ancel Temporary Card					
ler Info	Department		<u> </u>		eary Card	and remposely out					
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DAVE4	SALE										
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4-5 Card Issuance Operation/ Issuance Guest Card

The functions of guest card setting and QR Code sending.

4-5-1 Issue a Guest Card

Operation Steps:

1. Click "Issuance Guest Card". (You can enter from "Basic", or click the shortcut on the

File Basic Access Control Parking Time Attendance Elevator Patrol Report System External Program Help Image: Program Help Image: Program Image: Program Help Image: Program Image: Program Help Image: Program Image: Program

- Click "Query", click employee name, and then input the guest's name, guest ID number, company name, guest phone number, guest email, visit time and departure time (* indicates that all fields are required).
- 3. Click on the guest card number.
 - Add a single card: Input card number, and click "OK" to add a card number. File Basic Access Control Parking Time Attendance Elevator Patrol Report System External Program Help Listing Cardholder Info Setting & Midae Setting & Add Uses Automatic Report System External Program Help Issuance Guest Card Report Public Access Setting Guest Card Swipe Report Setter Guest Card Report Public Access Setting Guest Card Swipe Report

Name	🔍 Search		🕽 Cancel 🔍 Search	h			uest card		
Name MM1 MM2	General Manager	Guest informati Guest Nami National ID Company N Guest E-Ma	ion e * *	Time of vist 2023/09/01 16:23	New Bath Add Single Card Card No: OK	Cancel	w Delee		
		Guest E-Ma	311		L		I		
ist 🔽 Cancel 🛟 Reo Guest Name	organizaion 🕐 Modify 2 Candidate Name	Candidate	Company Name	Guest Phone				ail	al
🗙 Cancel 🛛 🖨 Rec		Candidate Department		Guest Phone Lesse				all	ul

- Batch Add: Operation by following steps.
 - Card number length (default is 10 bytes).
 - Card number interval: The number of card number intervals.
 - Pre-value: Fixed data before starting value.
 - Start from: Start value of card number (Only numbers can be entered).
 - Post-value: Fixed data after starting value.

- Sample: Display content value.
- Testing: Display several pieces of data at one time, automatically calculated by the system.

Note: Click "Testing" to display the fields about number of issued cards, and card number.

- Number of issued cards: Count the number of cards.
- Card number: Starting card number.

Note: "Sample" is an example of the system presenting the order of card numbers.

Isuance Gr	est card Guest Card	o Setting 🔨 Mifare Settin I Report Public Access Set Q. Search Department General Manager General Manager	ugs 🐣 Add Users Auto ting 🛛 Guest Card Swipe F	matic Retrieve Bi teport Cancel Q Sec ation The second se	iometric Characteristics	External Program Help P Remote Open Door Event Event Bach Add Single Card Card No. Length: 10 Interval 1 Pre-value Start from 1	Monitor	
	Guest Name	Candidate Name	Candidate Department	Company Name	Guest Phone	Post-value		
Þ	222	MM2	General Manager	2222	EEEEE		Testing	
						Sample 0		
Login AD		opeartion: Issuance (ent Time 2023/0		•		

🖳 New	
Batch Add Single Card	
Card No. Length: 10 Interval 1 Pre-value A01 Start from 1 Post-value B	Batch Add Number of issued cards: 1 Card No.: A01000001B OK Cancel
Sample A01000001B A01000002B A01000003B	

🖶 New	
Batch Add Single Card	
Card No. Length: 10 Interval I Pre-value A01 Start from I Destard a	Batch Add Number of issued cards: 3 Card No.: A01000003B OK Cancel
Post-value B	Hint
B Sample A01000001B A01000002B A01000003B	Set message successfully OK

Name Name MM1 MM2	Q Search Department General Manager General Manager General Manager	- Guest infor Guest N *	Cancel Q Search mation lame * 1 ID * iy Name hone	Time of vist 2023/09/01 16/23		Selere Guest caud Image: Caust Caud No. Caust Caud No. A01000001B A01000002B A01000003B
ist	izaion 🅐 Modify	Candidate	Company Name	Guest Phone	Guest Card No	Image: Send Enable Image: S
Guest Name	Candidate Name	Department	e composition e comme			

4. Select a guest card and click "Save". The window will show "Set message successfully" click "OK"

	endance Elevator Patrol Report System External Program Help Add Uses Automatic Retrieve Biometric Characteristics Remote Open Door Stretch at Card Swinge Report Card Swinge Report Cards Information Guest Information Guest Name Time of visi test01 2023/09/04 00:00 - National ID Departure Time Company Name BCA Guest EMail test04 genal.com	Ionitor State Guest Card Core Selere Guest card Selere Guest Card Guest Card No. Of #5666ha Iff 480 A01000001B A01000002B A01000002B
List List Image: Cancel of the constraints on the constraint of the constraints on the constraint of the constraint		Generae QRCode Print Send Email Guest Name:ggg Guest Card No:3796402284
zzz MM2 Genera	rment al Managér <u>ezze 3796400284</u> 20	
Login ADMIN Current opeartion: Issuance Guest Ca	ard Current Time 2023/09/01 16:42:43	

Hint	×
Set message si	uccessfully
	ОК

5. The guest card information will be displayed in the window. The user can specify the door group or elevator authorizations of the guest card.

			-	- 0 - X
Save Cancel Cancel Guest Reservation est Information Guest Name test01 Company: Guest Card No.: Company: Guest Card No.: Company: Guest Card No.: Company: Guest Card No.: Condidate: 12345678 MM1 Guest F-Mail test01@gmail.com Cancel Guest Reservation Concel Guest Reservation Conce	nate QRCode 👕 I	Print Send Email		
uthorization oor Group Authorization elect All Select None Selcted Reversed Setting HAMS-19 🗸 Download	Elevator Authoriza Select All Select Download	tion None Selected Reversed	l Setting 100	0 229.62 #1 👻
Group Name	Selected	Floor	 Time Sche 	lule
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		3	Fri	0000 - 2359
		4	Sat	0000 - 2359
		5	Sun	0000 - 2359
		<u> </u>	📃 Holida	y Access
		6	+	

6. Select door group authorization or elevator authorization, and then click "Setting" to indicate the door group authorization or elevator authorization has been selected.
Click "Download" in Door Group Authorization or "Download" in Elevator Authorization, system will download card number authorization to device.

		-	r mi	
🕢 Save 🛛 🕐 Cancel 🛛 💥 Cancel Guest Reservation				
Guest Information				
Guest Name Time of vist Canadian * test01 * 2023/09/04 09:00 ▼ ■ Guest Identity No.: Departure Time ■ * 2023/09/04 17:00 ▼ ● ■ Company: Guest Cand No.: ■ * BCA A01000001B ■	rate QRCode Trint Kanal Ernail			
Guest Phone: Candidate: 12345678 MM1 Guest E-Mail test01@gmail.com				
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Select All Select None Selected Reversed Setting HAMS-19 -	Select All Select None Selected Reversed	Se	tting 100 229.6	52 #1 👻
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	► <mark>▼</mark> 5		Sun 🔲 Holiday A	0000 - 2359 Locess
	6			
	7			

7. After complete the authorization download, click "Generate QR Code". The system will issue an QR Code that can be printed out or sent to the guest by email.

	the last of	Section 10. Inc.				1000		
• •	🗙 Cancel Guest Reser	vation						
Guest Information Guest Name	Time of vist		Generate	ORCode	Print Send	Email		
test01	* 2023/09/04 09:00 -		- B. Scherge		- Aller			
Guest Identity No.:	Departure Time							
	* 2023/09/04 17:00 📼							
Company:	Guest Card No.:							
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Guest Phone: 12345678	Candidate: MM1							
Guest E-Mail	11111							
test01@gmail.com								
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 After click "Save" to complete the saving, "Write data successfully" will appear and the guest information will be displayed in the table in the lower left corner.
 Note: If the visit time expires, modification and saving cannot be performed, and the guest card needs to be canceled and added again.

						23
Save Cancel X Cancel Guest Reservation						
Guest Name Time of vist	Generate QRCode	🧧 Print 🛛 🖂 Send Email				
* test01 * 2023/09/04 09:00 -					1	
Guest Identity No.: Departure Time		6III				
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Company: Gues Card No.: * BCA A01000001B		-334				
Guest Phone: Candidate:	65/224	DIN Line:				
12345678 MM1	Service	22				
Guest E-Mail	≣∂35	94 2				
test01@gmail.com		n va				
Authorization	Hint					
Door Group Authorization		uthorization				
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V						

	Company Name Guest Phone Guest	
List 	Guest E-Mail Guest E-Mail Condition Condition Company Name Guest Phone Guest Card No General Manage BCA 12:45678 A0100001B	Guest Nametest01 Guest Card No:A01000001B
✓ Total field ✓ Tot		•

9. Click the guest data, and click "Generate QR Code" to issue a QR Code for printing and emailing.

🛛 🛃 Exit 🛛 📑 Cardholder I	nfo Setting 🛛 🔨 Mifare Settin	ting Guest Card Swipe Report	Retrieve Biome		-	Help Event Monitor Event Monitor Selee Guest Card Selee Guest Card Cuest Card Guest Card Guest Card No. G485660a11.010 3796402284
List	izaion 🥜 Modify	Company Nam Guest Phone Guest E-Mail				A0100002B A0100003B
Guest Name	Candidate Name	Deparutient	ompany Name	Guest Phone	Guest Card No	Guest Card No:A01000001B
send	MM1 The second se	Ceneral Masager Bi	14 Time 2023/09/0	12345678	<u>A01000001B</u>	

10. Click "Send Email" to email QR Code to the guest.

Note: The email can be sent only when the guest information has been filled in email

	e Guest card Gue idate Name	Q Se	sach	1	🌏 Save 🛛 👌	Cancel			
	Name	Department			Guest infirmation				Selere Guest card
	DAV1	A		1	Guest Name		Visit Time		📫 New 📃 🙀 Delete
	DAV2	A			*		* 2022/05/04 10:0	• • •	Guest Card
	DAV3	A			National ID		Departure time		No
	DAV4	A					* 2022/05/03 12:0	0 🔲 🖛	▶ <u>E0000000</u>
-	DAV5	A		,	Company N	ame			B00000002
	DAV6	A	_		a				B00000001
	DAV7	A			* Guest Phone				
	DAV8	A	_		Guest Email				
	DAV9	A	_		COURST LAINALL				
	DAV10	A	_						
	DAV11	A	_						
	DAV12	A							
	DAV13	A							
	DAV14	A	_						
	DAV15	A							
	AMY16	B							
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	AMY18	В	_						
	AMY19	B	_						
	AMY20	B		-					
. a	moel 🛟 Reorga								🔡 Generate QRCode 🛛 🧧 Print 🔤 Send Email
	Guest Name	Candidate Name	Candidate Department	C	ompany lame	Guest Phone	Guest Card No	Visit Date	
	TEST02	DAV4	A	_	BA	2999-2240	E00000004	2022/05/04	
									The mail has been successfully sent to your mailbox.
									The mail has been successfully sent to your mailbox.!



Your visit information is as follows: Visit time:05-04-2022 10:00 Interviewee:DAV4 Please go to the counter at 05-04-2022 10:00 to replace the card The following is the QR code entry and exit certificate, please print or take a photo and save it in your mobile phone.

je

n

ABC VISITOR REQUEST FORM



Visitor Name: TEST02 Visitor: DAV4 Visit Date: 2022/05/04 10:00

11. To cancel the guest card, please click "Cancel" to cancel it.

		ess Control Parking						
	uest card. Gues		ting 🚜 Add U	Jsens Automatic 🖙 Retriev	e Biometric Characteristics	🖌 Rêmotê Upên Door)cor 💿 Event Monitor 👔 Issuance Guest Card 🛛 🗙 Close	
Candida		Q Search		🜏 Save 🚺 Cancel				
	Name	Department		Guest infimation			Selete Guest card	
	AVI	A		Guest Name	Visit Time		📫 New 📑 Delete	
	AV2	A	_	*	* 2022/05/04 10:0	0 🔲 🖛	Guest Card	
	AV3	A	E	National ID	Departure time		No	
	DAV4	A			* 2022/05/04 12:0	0 💷 🕶		
	AV5	A		* Company Name			B0000003 E0000002	
D	AV6	A		Guest Phone			Buttouz	
D	AV7	A		* Guest Filone				
D	AV8	A		Guest Email				
D	OAV9	A						
D	AV10	A						
D	AV11	A						
D	AV12	A						
D	AV13	A						
D)AV14	A						
D	AV15	A						
A	MY16	В			Excuse me	23		
A	MY17	В						
	MY18	В			Are you sure to canc	el this card?		
	MY19	В						
A	MY20	В	_					
	MY21	В			Yes	No		
A	MY22	В)		
📑 Çano	el 📢 Reorgan	nization					Send Email	
	Guest Name	Candidate Cand Name Depa	lidate utment	Company Name Guest	Phone Guest Card No	Visit Date		
в Т	EST02	DAV4 A		CBA 299922		2022/05/04 1		
•						Þ	ь.	

4-5-2 Guest Card Report

Display all guest reservation records, and can preview and print according to query condi-

tions such as guest name and phone number, company name, and date range.

		d Report Public Access Se		-	1 I - 511 I					
	st Name	Phone	Company:	Q Sea	uch 📔 Print 🛛					
日期	時間: 2023/08/01									
	Guest Name	Candidate Name	Candidate Department	Company Name	Guest Phone	Guest Card No	Date of visit	Time of vist	Departure Time	Departure Tin
	JORDAN	MM1	General Manager	BULLS	09		2023/08/17	16:25	2023/08/18	16:11:21
	P	MM1	General Manager	P	0		2023/08/17	17:07	2023/08/18	16:11:21
	D	MM2	General Manager	D	D		2023/08/17	17:10	2023/08/18	16:11:21
	Q	MM2	General Manager	Q	Q		2023/08/17	17:10	2023/08/18	16:11:21
	a	MM1	General Manager	a	a		2023/08/18	11:20	2023/08/18	16:11:21
	bb	MM2	General Manager	bb	bb		2023/08/18	13:42	2023/08/18	16:11:21
	g	MM1	General Manager	g	g		2023/08/18	15:09	2023/08/18	16:11:21
	e	MM1	General Manager	е	e		2023/08/18	15:09	2023/08/18	16:11:21
	1	MM1	General Manager	1	1		2023/08/18	15:09	2023/08/18	16:11:21
	t	MM1	General Manager	t	t		2023/08/18	15:09	2023/08/18	16:11:21
	k	MM2	General Manager	k	k		2023/08/18	15:09	2023/08/18	16:11:21
	Z	MM1	General Manager	Z	Z		2023/08/18	16:13	2023/08/22	09:30:24
	d	MM1	General Manager	dd	ddd		2023/08/22	09:30	2023/08/24	14:58:56
	t	MM1	General Manager	tt	ttt		2023/08/22	10:22	2023/08/24	14:58:56
	aa	MM1	General Manager	aaa	aaaa	3796402284	2023/08/24	14:58	2023/08/24	15:06:32
	222	MM2	General Manager	2222	22222		2023/08/24	15:13	2023/09/01	17:00:59
	EEE	MM2	General Manager	2222	22222		2023/08/24	15:13	2023/09/01	17:00:59

Login ADMIN Current opeartion: Issuance Guest Card Current Time 2023/09/01 17:28:20

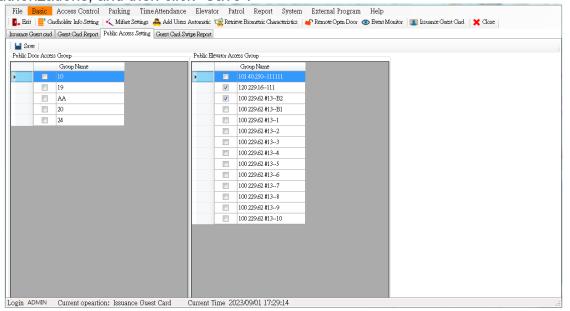
4-5-3 Public Access Setting

Set up public floor groups.

Before setting, please go to the elevator setting page, add the elevator hardware device, and enable the required floor under the floor setting page.

Operation steps:

1. Tick groups in Public Access Door Group or Public Elevator Access Group to set the authorizations, and then click "Save".



	File Basic Access Control Parking Time Attendance				fanitar 🔲 Issuance Cuset Card	¥ Close
Number Public Elevator Access Group Croup Name Group Name 10 1040.250-111111 AA 10229.62 H3-B1 0 100229.62 H3-B1 100229.62 H3-B1 100				- realise oper box - box re	Inter a sound out out	
Group Name Group Name 10 10 2 19 AA 10 20 10 24 100 100 100 100 100 100 100 24 100 100 100 100 100 100 100 100 100 20 100 21 100 20 100	Save Save					
Image:	Public Door Access Group	-Public Elevato	r Access Group			
V 19 AA V D D0 D						
AA I 100 22962 #13-B2 I 24 I 100 22962 #13-B1 I 24 I 100 22962 #13-B1 I 100 22962 #13-B1 I I00 22962 #13-B1 I 100 22962 #13-B1 I I00 22962 #13-B1 I 100 22962 #13-B1 I I00 22962 #13-B1 I I 100 22962 #13-B1 IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		[
20 24 24 20 22962 H3-B1 100 22962 H3-C 100 22962 H3-C		[
24 100 22962 H31 100 22962 H32 100 22962 H33 100 22962 H33 100 22962 H34 100 22962 H35 100 22962 H35 100 22962 H36 100 22962 H36 100 22962 H38 100 22962 H38 100 22962 H38 100 22962 H38 100 22962 H38 100 22962 H39						
I 100 229/62 #132 I 100 229/62 #133 I 100 229/62 #134 I 100 229/62 #135 I 100 229/62 #136 I 100 229/62 #136 I 100 229/62 #138 I 100 229/62 #139						
100 22962 #133 100 22962 #134 100 22962 #135 100 22962 #136 100 22962 #136 100 22962 #138 100 22962 #139	24		✓ 100 229.62 #131			
100 229/62 #13-4 100 229/62 #13-5 100 229/62 #13-6 100 229/62 #13-7 100 229/62 #13-8 100 229/62 #13-9						
100 229/62 #135 100 229/62 #136 100 229/62 #137 100 229/62 #138 100 229/62 #139		[100 229.62 #133			
100 229/62 #136 100 229/62 #137 100 229/62 #138 100 229/62 #139		[
100 229.62 #137 100 229.62 #138 100 229.62 #139			-			
100 229.62 #138 100 229.62 #139		[
100 229.62 #139		[
		[100 229.62 #138			
		[100 229.62 #139			
		[100 229.62 #1310			
in ADMIN Current opeartion: Issuance Guest Card Current Time 2023/09/01 17:29:53	in ADMIN Current opeartion: Issuance Guest Card					

2. When adding a guest card, the system will automatically bring out the authorizations that have been ticked in the public access group and public floor group.

File Basic Access Control Parking Time Attendance Elevator Patrol Report	System External Program Help
Issuance Guest card Guest Card Res Name Guest Mane Name Guest Mane MM1 Guest Mane MM2 Guest Mane Guest Reservation Guest Mane Guest Mane Time of vist Guest Mane Guest Mane MM2 Guest Mane Guest Mane Guest Mane Guest Fone: Candidate: 12345676 MM1 Guest Fone: Guest Fone: Guest Fone: Candidate: 12345676 MM1 Guest Fone: Guest Fone:	rate QRCode Print Send Email
Login ADMIN Current opeartion: Issuance Guest Card Current Time 2023/09/0117:3	Elevator Authonization Select All Select None Selected Reversed Setting 100 229.62 #1 • Download Selected Floor • Time Schedule 24 • Mon 0000 - 2359 Toe 0000 - 2359 Toe 0000 - 2359 Toe 0000 - 2359 Toe 0000 - 2359 The

4-5-4 Guest Card Swipe Report

Display all guest card swipe records, and can preview and print based on query conditions such as guest name and phone number, company name, and date range.

	Name	Phone		Company:	🔍 Search 🦷	Print					
日期	存間: 2023/08/17	-	- 2023/08/17								
	Guest Name	Guest Phone	Guset Company	Estimated date of arrival	Device Name	Door	Card No	Date	Time	Event	
1					2400n 229.51	PXR92MSL	000000020	2023/08/17		Card not Found	
2					2400n 229.51	PXR92MSL	000000030	2023/08/17		Card not Found	
3					2400n 229.51	PXR92MSL	000000040	2023/08/17		Card not Found	
4					2400n 229.51	PXR92MSL		2023/08/17		Card not Found	
5	JORDAN	09	BULLS	2023/08/17 16:25:40	971	971	2064187454	2023/08/17		Card not Found	
6	JORDAN	09	BULLS	2023/08/17 16:25:40	971	971	2064187454	2023/08/17	16:54:00	Card not Found	
7	JORDAN	09	BULLS	2023/08/17 16:25:40	971	971	2064187454	2023/08/17	16:56:16	Access Granted / Valid Card	
8	JORDAN	09	BULLS	2023/08/17 16:25:40	971	971	2064187454	2023/08/17	16:56:20	Access Granted / Valid Card	
9	JORDAN	09	BULLS	2023/08/17 16:25:40	971	971	2064187454	2023/08/17	16:56:22	Access Granted / Valid Card	
10	JORDAN	09	BULLS	2023/08/17 16:25:40	971	971	2064187454	2023/08/17	16:56:25	Access Granted / Valid Card	
11	JORDAN	09	BULLS	2023/08/17 16:25:40	971	971	2064187454	2023/08/17	17:06:07	Access Granted / Valid Card	
12	JORDAN	09	BULLS	2023/08/17 16:25:40	971	971	2064187454	2023/08/17	17:06:08	Access Granted / Valid Card	
13	JORDAN	09	BULLS	2023/08/17 16:25:40	971	971	2064187454	2023/08/17	17:06:11	Access Granted / Valid Card	
14	JORDAN	09	BULLS	2023/08/17 16:25:40	971	971	2064187454	2023/08/17	17:06:12	Access Granted / Valid Card	
15	JORDAN	09	BULLS	2023/08/17 16:25:40	971	971	2064187454	2023/08/17	17:06:13	Access Granted / Valid Card	
16					971	971	000000050	2023/08/17	17:08:24	Access Granted / Valid Card	

4-6 Operators Setting

This workspace is allowed to create many accounts with different authorization. Operators will have different authorization to manage the system. The default account ADMIN will not have log in records. We strongly suggest user create a new account.

Operation Steps :

- 1. Click $\lceil New \rfloor$.
- 2. Input name, account and password.
- 3. When operation authority is supervisor, all the check boxes will be ticked and original account ADMIN and password ADMIN will lose efficacy automatically. If general user is selected, users need to tick the programs in which the particular user has authorization to execute.
- 4. When select email notice, please must input email address. And then system will send message to designated mail address automatically when there are events.
- 5. Tick the box to select the authorization. (General user used only)
- 6. Click \lceil Save \rfloor .

🖶 Operators Setting	:						
🕞 Exit							
📫 New 🦸 Modify	r 🔩 Delete 🔛 Save 🕑 Can	cel Function Au	thorized	~			
Name * Select All Select None							
Account		*		Authoriz	Function name	^	
Password] *	•		Company Information		
					Parameter Adjustment		
Authority:	×				Import / Export	Ξ	
E-Mail		Testing			Cardholder Info Setting		
					Department Info Setting		
					Mifare Card Issuance		
Name	Account				Temporary Card Issuance		
					Issuance Guest Card		
					Operators Setting		
					Access Control Hardware Setting		
					Access Control Time Schedule Setting		
					Password Time Zone Setting		
					Reader Parameter Setting		
					Access Control Cardholder Auth by Door		
					Access Control Dep Auth by Door		
					Access Control Door Auth by Dep		
					Access Control Door Auth. by Cardholder		
					Auth Setting		
					Event Monitor	~	

🛃 Operators Setti	ng						
🕞 Exit							
🛛 📫 New 📑 Mod	lify 🔜 Delete 💾 Save 🚺 Cand	el Function Auth	norized 🗸	·			
Name	JENNY	*	Select	All Sel	ect None		
Account	1111	*		Authoriz	Function name	>	
Password	****	*	•	V	Company Information		
				✓	Parameter Adjustment		
Authority:	Supervisor 🗸			✓	Import / Export		
E-Mail	jennysu@gmail.com	Testing		~	Cardholder Info Setting		
				✓	Department Info Setting		
				✓	Mifare Card Issuance		
Name	Account			✓	Temporary Card Issuance		
>				✓	Issuance Guest Card		
				~	Operators Setting		
				✓	Access Control Hardware Setting		
				✓	Access Control Time Schedule Setting		
				~	Password Time Zone Setting		
				~	Reader Parameter Setting		
				~	Auth Setting		
				~	Event Monitor		
				~	Attendance Device		
				~	Attendance Authorization		
				~	Add Users Automatic		
				~	Retrieve Finger Pattern	~	

🖶 Operators Setting	1							X	
📴 Exit									
🚦 📫 New 📑 Modify	📫 New 🐗 Modify 🔩 Delete 🔛 Save 👌 Cancel Function Authorized 🗸								
Name	JENNY	*	Select	All Se	lect None				
Account	1111	*	Authoriz Function name 🔨 🗉 🗋 hundure						
Password	****	*			Company Information				
Authority:	General User 🗸 🗸				Parameter Adjustment				
	jennysu@gmail.com	Testing			Import/Export				
E-Mail	jennysu@gmail.com	lesung			Cardholder Info Setting				
					Department Info Setting				
					Mifare Card Issuance	-			
Name	Account				Temporary Card Issuance				
► E					Issuance Guest Card				
					Operators Setting				
					Access Control Hardware Setting				
					Access Control Time Schedule Setting				
					Password Time Zone Setting				
					Reader Parameter Setting				
					Auth Setting				
					Event Monitor				
					Attendance Device				
					Attendance Authorization				
					Add Users Automatic				
					Retrieve Finger Pattern	~			

🖳 Operators Settin	ıg						
🕒 Exit			_	_			
🗧 📫 New 📪 Modif	fy 🔩 Delete 🔛 Save 🕐 C	ancel Function Author	orized 🗸]			
Name	JENNY	*	Select	All Sel	ect None		
Account	1111	- * [Authoriz	Function name	<u>^</u>	
Password	Noloiok	*	•	✓	Company Information		
	a contra			✓	Parameter Adjustment		
Authority:		<u> </u>		V	Import / Export		
E-Mail	jennysu@gmail.com	Testing		V	Cardholder Info Setting		
				v	Department Info Setting		
				v	Mifare Card Issuance		
Name	Account			~	Temporary Card Issuance		
JENNY	1111			~	Issuance Guest Card		
				v	Operators Setting		
				V	Access Control Hardware Setting		
				V	Access Control Time Schedule Setting		
				v	Password Time Zone Setting		
				v	Reader Parameter Setting	1	
				V	Auth Setting	1	
				V	Event Monitor		
				V	Attendance Device		
				V	Attendance Authorization		
					Add Users Automatic		
					Retrieve Finger Pattern		

- 7. Select Mail Notice, system will send message to designated mail address automatically when there are events.
- 8. Select Function Authorized, and tick what function you can use.

🖶 Operators Setting	g						
: 🕞 Exit							
🕴 📫 New 🛯 🦊 Modify	y 🔩 Delete 🔛 Save 🕐 Cano						
Name	JENNY	 Function Auth Mail Notice 	orized	Al Se	lect None		
Account	1111	*		Authoriz	Function name	^	
Password	3000k	*	۱.	~	Company Information		
				~	Parameter Adjustment		
Authority:	Supervisor			~	Import / Export		
E-Mail	jennysu@gmail.com	Testing		~	Cardholder Info Setting		
				~	Department Info Setting		
				~	Mifare Card Issuance		
Name	Account			~	Temporary Card Issuance		
JENNY	1111			~	Issuance Guest Card		
				 Image: A set of the set of the	Operators Setting		
				~	Access Control Hardware Setting		
				~	Access Control Time Schedule Setting		
				~	Password Time Zone Setting		
				~	Reader Parameter Setting		
				~	Auth Setting		
				~	Event Monitor		
				~	Attendance Device		
				~	Attendance Authorization	1	
				~	Add Users Automatic	1	
				~	Retrieve Finger Pattern	V	

4-7 Import Data / Export Data

Import and export cardholders' information.

Import Data Operation Steps :

1. Import File ∶ Click key ..., , select the txt file which you want to import and click 「Open」 then 「Next」.

🖬 Import / Export	
Ger Exit	
Import Data Export Data	
Step 1: Import File Step 2: Delimiter Step 3: Field Mapping Step 4: Import Data	
Process Explanation	
Four steps of import data: 1. Import File 2. Delimiter 3. Field Mapping 4. Import Data	
Select File	-11
	-
Next	

2. Delimiter: Select delimiter or TAB key. If header is requested, tick the check box. Then click $\lceil Next \rfloor$.

🔡 Import / I	xport			
Exit				
Import Data	Export Data			
Step 1: Impo	rt File Step 2: Delimiter Step 3: Field Mappi	ing Step 4: Import Data		
	O Punctuation mark (','' ',')	 TAB key 		
		 Include Headline 		
			Preceding	Next

3. Field Mapping: Select the corresponding data for each field and click $\lceil Next \rfloor$.

	5		5		_
🛄 Im	port / Export				
Exit					
	t Data Export Data				
	1: Import File Step 2: Delimit	er Step 3: Field Mapping Step 4: Impo	ut Data		
2.6b	1: Import File Step 2: Delimit	er Sich 2. Liend Mahhnig Step 4: Impo	art Data		
	Name	D			
*	~	*			
	Emp No	Card No			
*	~	*			
	Department No	Birthday			
*	~	*	Date Format: YYYYMMDD		
	Dep Name	Date start			
*	~	*	Date Format: YYYYMMDD		
	TEL.				
	~				
	Password				
				Preceding	Next

- 4. Select the Ignore the repetition
 - Delete all and Re-import Data : Delete all current data and using import data.
 - Overwrite : Overwrite repeated data
 - Ignore : Ignore repeated data
 - Delete import list : Delete the cardholders and authorizations of the imported list.

Click [Save] to import the data. When import is completed, please click [OK] to exit the settings and go to Cardholder Info to check cardholder information.

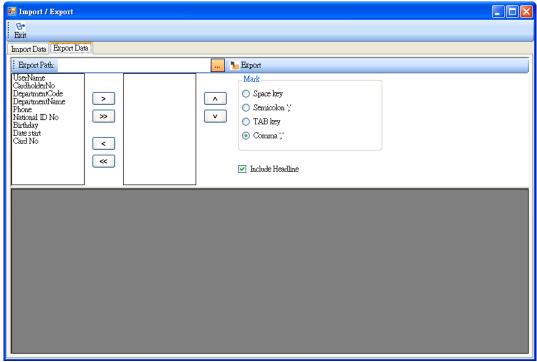
ωpι	: Import File St	ep 2: Delimiter Step 3	Field Mapping St	ep 4: Import Data				
Per	centage				Ignore -			
_					Delete	all and Re-imp	ort Data	
					Overv	vrite		
					Ignore	e		
					Delete	import list		
hevi	ew Import Data		Destation	Dentral		_		
	Name	Work code	Department No	Departent Name	Code Number			
	DAV1	0000000001	1	A	0000000001			
	DAV2	000000002	1	A	000000002			
	DAV3	000000003	1	A	000000003			
	DAV4	000000004	1	A	000000004			
	DAV5	000000005	1	A	000000005			
	DAV6	000000006	1	A	000000006			
	DAV7	000000007	1	A	000000007			
	DAV8	000000008	1	A	000000008			
	DAV8	00000008	1	A	0000008			

Note: Once import duplicate card number or employee number; system will display data by red color.

HUNDURE

Export Data Operation Steps :

- 1. Click key ..., select the path which you want to save the TXT file.
- 2. Using keys \bigcirc or \bigcirc to select export fields from left to right side. And using keys \bigcirc or \bigcirc to adjust the sequence.
- 3. Select punctuation mark or TAB key. If header is requested, tick the check box.
- 4. Click \lceil Export \rfloor , the user data has been completed.



5. Access Control

5-1 Access Control Hardware Setting (HAMS-10)

Supports adding, modify and delete device. Hardware Support List : RAC-340/510/512/520/820/920/930/RAC-A10/SHR-100

5-1-1 Hardware Detail List

Operation Steps:

1. Click $\lceil New \rfloor$, then select communication type.

- Communication Type : Select COM PORT or TCP/IP. When using COM PORT, please make sure the COM PORT number and baud rate is 19200.
- 2. Input device name and device ID (Default ID is 1).
- 3. Select device model.
- 4. Clicking [¬]Save _¬. Adding completed.

File Pagic Access Control	Attendance Recorder Elevator Parking TimeAttendance Patrol Report System External Program Help
	🕆 Mifare card Issuance 🐣 Add Uses Automatic 🐨 Retrieve Finger Templates 🔐 Remote Open Door 👁 Event Monitor 🗶 Close
Move A	
Device 💷 New 📪 Modify 🔩 Delete	🖬 Save 🗣 Copy
📰 920	Parameter1 Parameter2
	920(COM3.1.9200@6)
	Password Function
	Close
	2014/03/07 21:08:59
	Connect Testing Read Time
	Set Time Add Device
	Recorder's Memory
	Port Port
	O IP COM1 ▼
	Baudrate
	19200
	Device Name
	1 Device Model
	RAC-340PE
	Save Exit
Logar ADTAIN Current opeartion: Access	s Control Hardware Setting Current Time 2014/3/7 午午 09:09:18

- 5. Click [Copy] and may copy parameter to other same model machines. (For RAC-340PE /PM only)
 - Copy Parameter: Only copy Siren Timetable to selected same model machines.

- Upload Parameter: System will upload Siren Timetable to selected RAC-340 individually.
- Copy and Upload: System will copy and upload current RAC-340's Siren Timetable to other selected RAC-340.

File Basic Access Control Attendance Recorder Elevator Parking TimeAttendance Patrol Report System External Program Help
🔋 📜 Carli 🔮 Carlicheir Info Setting 🐂 Mitter carl Issuance 🏯 Add Usea Automatic 😭 Retrieve Finger Templates 🛶 Remote Open Door 👁 Event Monitor 🗶 Close
Move ∧ v 🔥 Time Synchronization to All Devize 📬 New 🥬Modity ≔Deleta 📓 Save P_Copy
2020 Parameteri Parameteri Parameteri Parameteri
■ RAC340PM ■ RAC340PM-1 RAC340PM(172.16.42.594660@1)
Pausyond Function
2014(2)(7) 21 (08:59
Connect Testing
Set Time Outprovides
Recorder's Memory of Cogy and Update
Device ID Device Name Status
▶ ■ 000000119 RAC340PM-1
Login ADMIN Current opeartion: Access Control Hardware Setting Current Time 2014/37 T+ 09:11 07

6. Click Order may sort the devices.

📲 Order 🛛 📩 Time Synchronization to All

🔡 Order			
📴 Exit	🛉 Up	🖊 Down	💾 Save

- 7. Click Time Synchronization to All may correct all devices' time once.
- 8. Click [Time Sync] to read device time.
 - Time Sync.: Synchronize time by PC
 - Set Time: Input date and time by user.

5-1-2 Modify Connecting information

It is mainly to modify communication parameter, like IP address, port number, device name, and device ID and model selection.

Operation Step :

- 1. Select the controller on the left side.
- 2. Click $\lceil Modify \rfloor$.
- 3. Modify the setting. For example: comm. type, device name and device ID.
- 4. Clicking Save to saving the modify.

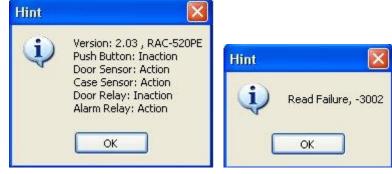
	Attendance Recorder Elevator Parking TimeAttendance Patrol Report System External Program Help
	🍡 Mifare card Issuance 🚔 Add Users Automatic 📢 Retrieve Finger Templates 🖌 💕 Remote Open Door 💿 Event Monitor 🔰 🗶 Close
Move A	
Device New Modify Delete	Parameteri Parameteri Parameteri Mifare Parameter
	RAC-340PM(172.16.42.59.4660@1)
	Password Function
	Close
	2014/03/07/21:08:59
	Connect Testing Read Time
	Set Time Add Device
	Recordex's Memory Comm. Type Parameter
	Port
	4660
	Device Name
	RACIAUDM
	Device ID
	Device Model
	RAC 340PM
	Save Exit

5-1-3 Parameter 1

It is mainly allow operator to check if device is communication with software successful by synchronize or read version.

Operation Steps :

- 1. Select the controller on the left side.
- 2. Click 「Connect Testing」. If system connects with hardware successfully, you will read model name, version, sensors and relays status. If connect failed, system will appear a fail notice as below.



Other parameter contents :

 Password Function : If request access by card and password, please tick this check box, then system may download password to device. And please also remember to input password in cardholder information, otherwise users can still access by card only.

Default is close which means do not need download password to device.

- Read Time : Read device time. If reading successfully, system will show date and time.
- Set Time : Input date and time by user.
- Time Sync : Synchronize time by PC. Please make sure the PC's date and time are correct.
- Recorder's Memory : System will show current valid card and event amount.
- Reset Anti Status : Refresh anti pass back status. (Only for RAC-520v3.00 above. RAC-820/RAC-920/RAC-930 and RAC-A10 series)
- Assigned IN/OUT : Assigned In and out of controller and slave reader. (Only for RAC-920/930/RAC-A10 series)

	ng 🐂 Milfare carl Issuance 🚔 Add Users Automatic 🕵 Retrieve Finger Pattern 📭 Remote Open Door 💿 Event Monitor 🗙 Close Delete 🖬 Save 🖓 Copy 👔 Order 🚠 Time Synchronization to All	
Mac • prev → Modify •	Delete 2010 10me Synchronization to All Parameteril Parameteril Parameteril Parameteril	
	Recorder's Memory Reset Auti Status	
	Assigned INOUT Device IN Slave Reader OUT	

5-1-4 Parameter 2

Modify device parameters. Operation Steps :

- 1. Select the controller on the left side.
- 2. Click 「Read」 to get back current parameter values of controller.
- 3. Modify the parameter value.
- 4. Click \lceil Set $_{\perp}$ to set all parameters to controller.

Parameter contents :

- Exit Button Status : Reverse exit button active level. Default is NO.
- Door Sensor Status : Reverse door sensor active level. Default is NC.
- Detect Door Status: It is mainly to detect whether door has closed before the deadline. If the door is not close before deadline, alarm or device beeps will be activated to remind the user to close the door. This function need work with [Door Sensor Detection Time] and [Door sensor detect mode].
- Detect Forced Door : Activate alarm when door open under forced.
- Door Sensor Detection Time : It is mainly to set the duration of door's status. Default value is 0 which is deactivated. Once the time is set, if the door opens longer then preset time, alarm or device may make sound.
- Door Sensor Detect Mode : Select controller beeps or alarm activate when door open time has expired. This function should works with 「Door sensor Detection Time」.
 e.g.: Setting: Door open time is 4 seconds . Alarm action time is 5 seconds. Door detection time is 10 seconds. Door detection and warning mode. Set to be Alarm Relay.

Description : After a door opens, it will auto re-lock within 4 seconds. If the door is not closed properly that causes failing to auto re-lock, it will start counting 10 seconds. After 10 seconds, if the door still left open, it will trigger alarm for 5 seconds. The trigger mode is Alarm Relay.

- Unlock Door Relay Action Time : The duration of door relay action. Default is 4 seconds.
- Alarm Action Time : The duration of alarm action. Default is 0 second.
- Compare Valid Code Index : The index digit of compare valid card number. This function should work with 「Compare Valid Code Length」.
- Compare Valid Code Length : How many digits you want to compare.

Ex: Card number is 1234567890. If compare index is 1, compare length is 3. Valid cards with number starting with 123 will be granted access.

- Alarm Relay Mode : Alarm relay mode selection. (Only for SHR-100)
 - Bell Mode : Only activate bell. Do not have alarm function.
 - Anti-duress Mode : Pressing the bell button and swipe a valid card, alarm will activate after 3 seconds. Do not have bell function if selected this mode.
 - Alarm Mode : Activate alarm by disarm code. Do not have bell function if selected this mode.
- Operation with voice : Allow the user open or close voice function in the Ready status. status.(Only for SHR-100)
- Setup mode with voice : Allow the user open or close voice function in the function setting status.(Only for SHR-100)
- Save Invalid card Records: Store or not store invalid card records selection. Default is NO.
- Request Password of Slave Reader : Request swipe card and then press password when access by slave reader (Only for RAC-520v3.00 above. RAC-820/RAC-920/ RAC-930 and RAC-A10 series)
- Anti-pass back Function : Close or open anti-pass back function. Default is close. (Only for RAC-520v3.00 above. RAC-820/RAC-920/RAC-930 and RAC-A10 series) Anti- pass back management: Main controller is for in and slave reader is for out. This function requests user swipe card in main controller for in and must swipe card in slave reader for out. Otherwise, user cannot swipe card in main controller again.
- Display Card No Method : LCD will display card digits or *** after card swiped. (Only for RAC-340)
- Select LCD Language : Select LCD display language. Now supports English, Traditional or Simplified Chinese. (Only for RAC-340)
- Open door when swipe Master Card : Select to open door or not when swipe master card. Default is close.
- Re-swipe Card Check Time : When swiping a card more than once within preset time, access deny and controller will make beeps and system does not record the event. (0~255 seconds)
- Door Open Mode :
 - Card Only : Swipe card only.
 - Card/Code : Input card number.
 - Card/Code with password : Swipe card first and then input password or input card and password.

- Valid Card Mode : Default mode is standard mode.
 - Standard Mode : Open door by right Mifare key and valid card.
 - Random Mode 1 : Open door by right Mifare key, system will not save swipe card records.
 - Random Mode 2 : Open door by right Mifare key. System will save swipe card records. But when card format is unidentified character, system will not save swipe card records. When you add card no by command 1 and select Random Mode 2, the cards will become blacklist and will activate alarm when you swiped card. If you want to get blacklist records, please select "save" of command 31.

Note: Valid card numbers and events will be deleted if changed the mode.

- Built-in Relay Action : Select built in relay is for lock or bell. (Only for RAC-820/RAC-920/RAC-930 and RAC-A10 series)
- Set Memory Mode : Except SHR-100, all controllers' default are standard mode
 - Standard Mode : Support 1,024 card numbers with password and 800 events.
 - Compressed Mode : Support 1,400 compressed card numbers with password and 1,800 events.
 - Shared Mode : Support 65,535 card numbers without password and 1,800 events.

Note: Valid card numbers and events will be deleted if changed the mode.

- Master Card : Required to enter command mode of controller. Default number is 30191000. Kindly refer to hardware manual for more commands information.
- Duress Code : Alarm will be activated and door will be opened upon pressing duress code. Default code is 1190.
- Disarm Code : Deactivate the alarm after disarm code is inputted. Default code is 0000.
- Backlight Mode : Open or close LCD backlight. (Only for RAC-340)
- Keypad with Backlight : Open or close keypad backlight. (Only for RAC-340)
- Keypad : Enable or disable keypad function.
- Enable Function Key : Enable or disable function keys. (Only for RAC-340)
- Card Response Action : Cannot read card if select close.
- Keypad Tone : Open or close keypad tone.
- Activate Case Sensor : When case is tampered, controller will make beep sound or not.
- Reader Type : (Only for RAC-920PM-W and RAC-A10)

If reader type is different from current slave reader, system is not able to retrieval events from slave reader.

- Slave Reader (T1/T2): Slave reader supports T1/T2 interface. Reader will send 10 digits back to program.
- Slave Reader (Wiegand 26, 8 codes): Slave reader supports Wiegand 26 interface. Reader will send 8 digits back to program.
- Slave Reader (Wiegand 26, 10 codes): Slave reader supports Wiegand 26 interface. Reader will send 8 digits back to program and program add 00 in front of number automatically and display 10 digits to users.
- Slave Reader (Wiegand 34, 10 codes): Slave reader supports Wiegand 34 interface. Reader will send 10 digits back to program.

	Patrol Report System External Program Help
Exit 📑 Cardholder Info Setting 🔩 Mifare card Issuance 🐣 Add Users Automatic 🤹	
🔋 Device 📑 New 🥵 Modify 🔩 Delete 🔛 Save 🏳 Copy 📑 Order 🦾 Time Synchroni	
Parameter1 Parameter2 Mifare Parameter2 Mifare Parameter2	eter
Exit Button Status	Save Invalid Card Records Master Card
N.O.	✓ No 30191000
Door Sensor Status	Request Password of Slave Reader Duress Code
N.C.	No 1190
Detect Door Status	Anti-passback Function Disarm Code
Open	Close 0000
Detect Forced Door	Display Card No Method Backlight Mode
Open Door Sensor Detection Time	Display Asterisk 🔍 Open 👻
	Select LCD Language Keypad with Backlight
Door Sensor Detect Mode	- Open
Reader Breep	Open door when swipe Master Card Keypad
Unlock Door Relay Action Time	Upen V
	Reswipe Card Check Time Function Key
Alarn Action Time	
	Door Open Mode Card Response Action
Compare Valid Code Index	Open V
	1 A Keypan Tone
Compare Valid Code Length	ojui v
	Picture case sensor
	Set Memory Mode
Reader Type	Dend
 Slave Reader (T1/T2) 	Standard Mode
	Set
Slave Reader (Wiegand26, 8 Codes	
 Slave Reader (Wiegand26, 10 Code 	
 Slave Reader (Wiegand34, 10 Code 	8)

5-1-5 Parameter 3

This workspace is mainly set Siren time schedule and only for RAC-340 series.

Operation Steps :

- 1. This page only for RAC-340 series.
- 2. Select the RAC-340 which wants to setting on the left side.
- 3. Click $\lceil \text{Read} \rfloor$ to get back current parameter values.
- 4. Modify the parameter value.
- 5. Click \lceil Set $_{\perp}$ to set all parameters to controller.

Parameter contents :

Duty On Time : The time starts to work. LCD screen will display IN.

Duty Off Time : The time can leave. LCD screen will display OUT.

Controller Mode : Access Control or Time Attendance selection. Default is access control

mode without siren. Select time attendance mode if want to activate siren timetable.

Week : Select the weekdays to activate siren.

Siren Timetable : 8 time groups. Enter start time at 08:00 and duration 01:10. It means

that siren will be activated in 08:00AM for 1 minute and 10 seconds.

File Basic Access Control	Attendance Recorder Elevate	or Parking TimeAttendance Patrol Report System External Program Help
🚦 💁 Exit 📑 Cardholder Info Setting	瀺 Mifare card Issuance — Add Users A	utomatic 👒 Retrieve Finger Templates 🛶 Remote Open Door 🐵 Event Monitor 🗶 Close
Move 🔥 💌 🖾 Time Synchronizatio	n to All	
🗄 Device 📫 New 🧊 Modify 👒 Delete	🔛 Save 🏪 Copy	
920	Parameter1 Parameter2 Parameter3	Mifare Parameter
RAC-340PM	Duty On Time	Duty Off Time
HACESHOP MET	00.00	0.00 🗘
	Controller Mode	Access Control 🖌
	Week	
	Mon Tue Wed Th	n Fri Sat Sun
	Siren Timetable	
	NolStart Time	Duration(mm:ss)
	00:00 💭 No2Start Time	00.00 🗘 Duration (num.ss)
	00.00	
	No3Start Time	Duration(mm.ss)
	00.00	
	No4Start Time	Duration(mm.ss)
	00.00	00.00 🗘
	No5Start Time	Duration(mm:ss)
	00.00	0.00
	No6Start Time	Duration(mm.ss)
	00.00	
	No7Start Time	Duation(mm.ss)
	No8Start Time	Duration(mm.ss)
	00.00	
	Read	Set
Login ADMIN Current opeartion: Access	Control Hardware Setting Current Time	2014/37 下午 09:16:52
Conton operation. Hotess	Content the	

5-1-6 Parameter 1 (RAC-510/HAC-510/ HAC-512/HAC-C2)

Reading or synchronize device time.

Operation Steps :

- 1. Select the controller on the left side.
- 2. Click 「Connect Testing」. If system connects with hardware successfully, you will read model name, version, sensors and relays status. If connect failed, system will appear a fail notice as below.



Other parameter contents :

- Password Function : Request if system need download password to device. Default is closed. (Not support HAC-C2 Series)
- Read Time : Read device time. If reading successfully, system will show date and time.
- Set Time : Input date and time by user.
- Time Sync : Synchronize time by PC.
- Recorder's Memory : System will show current valid card and event amount.
- Reset Anti Status : Refresh anti pass back status. (Only for RAC-510/HAC-510 series ,RAC-520v3.00 above.RAC-820/RAC-920 and RAC-930 series)

RAC-920	-	ete 🔛 Save 🖶 Copy 📗 Order 🚦 Parameter1 Parameter2 Mifare Para		
510PM		510PM (172.16.43.50:4660@1) Password Function Close		
		2016/09/22 14:09:38		
		Connect Testing	Read Time	
		Set Time	Time Sync	
		Recorder's Memory	Reset Anti Status	

5-1-7 Parameter 2 (RAC-510/HAC-510/HAC-512/HAC-C2)

Modify device parameters.

Operation Steps :

- 1. Select the controller on the left side.
- 2. Click 「Read Parameter」 to get back current parameter values of controller.
- 3. Modify the parameter value.
- 4. Click $\[\]$ Se Parameter $\]$ to set all parameters to controller.

Parameter contents :

[Door Control]

- Save Invalid card Records: Store or not store invalid card records selection. Default is NO.
- Master Card : Required to enter command mode of controller. Default number is 30191000. Kindly refer to hardware manual for more commands information.
- Disarm Code : Deactivate the alarm after disarm code is inputted. Default code is 0000.
- Duress Code : Alarm will be activated and door will be opened upon pressing duress code. Default code is 1190.
- Activate Alarm Relay Under Duress : The alarm relay will be activated if the user is under duress
- Anti-pass back Function : Close or open anti-pass back function. Default is close. (Only for RAC-510/HAC-510 series, RAC-520v3.00 above. RAC-820/RAC-920 and RAC-930 series)

Anti- pass back management: Main controller is for in and slave reader is for out. This function requests user swipe card in main controller for in and must swipe card in slave reader for out. Otherwise, user cannot swipe card in main controller again.

- Door Open Mode :
 - Card Only : Swipe card only.
 - Card/Code : Input card number.
 - Card/Code with password : Swipe card first and then input password or input card and password. (Not support HAC-C2 Series)
- Re-swipe Card Check Time : When swiping a card more than once within the preset time, access deny and controller will make beeps and system does not record the event. (0~255 seconds)
- Primary Reader Password Check Time Schedules: Enable or disable. Need to check

password additionally when setting the primary reader In/Out function. (Only for HAC-512 Series)

 Slave Reader Password Check Time Schedules : Enable or disable. Need to check password additionally when setting the slave reader In/Out function. (For HAC-512 Series)

[Slave]

If reader type is different from current slave reader, system is not able to retrieval events from slave reader.

- Slave Reader (T2): Slave reader supports T2 interface. Reader will send 10 digits back to program.
- Slave Reader (Wiegand 26, 8 codes): Slave reader supports Wiegand 26 interface.
 Reader will send 8 digits back to program.
- Slave Reader (Wiegand 26, 10 codes): Slave reader supports Wiegand 26 interface. Reader will send 8 digits back to program and program add 00 in front of number automatically and display 10 digits to users.
- Slave Reader (Wiegand 34, 10 codes): Slave reader supports Wiegand 34 interface.
 Reader will send 10 digits back to program.

[Primary Reader In/Out Setting]: Set to primary reader In/Out function.

[Slave Reader In/Out Setting] : Set to slave reader In/Out function. (Only for HAC-512 /HAC-C2 Series)

[Push Button with voice]: When pressing the push button to open the door, controller will make a "beep" sound.

[Door I/O Parameter]

- Unlock Door Relay Mode : (Only for HAC-512 Series)
 - Pulse time (sec.): After Door Relay acts, it will recover in a preset time (seconds). The default is 4 seconds; it means the unlocked door will relock after 4 seconds. (Need to work within the time of door unlock)
 - Toggle : After Door Relay acts [,] it needs to trigger it again to recover.
- Unlock Door Relay Action Time : The duration of door relay action. Default is 4 seconds.
- Alarm Mode : (Only for HAC-512 Series)

- Pulse time (second): After Alarm Relay acts , it will recover in a preset time (seconds). (Need to work within Alarm action time)
- Toggle: After Alarm Relay acts, it needs to trigger it again to recover.
- Latch : After Alarm Relay acts [,] it needs to enter disarm code to recover.
- Alarm Action Time : The duration of alarm action. Default is 0 second.
- Exit Button Status : Reverse exit button active level. There are 3 statuses : Default value is Short Circuit Action, Open Circuit Action, and Closed Circuit Action.
- Activate Case Sensor : When case is tampered, controller will make beep sound or not.
- Door Sensor Status : Reverse door sensor active level. There are 3 statuses : Short Circuit Action, Open Circuit Action, and Default value is Closed Circuit Action.
- Door Sensor Detection Time : Sets the duration of door's status. Default value is 0 which is deactivated. The time is started when door rely off. Once the function is activate, detect door status function may work.
- Door Sensor Detect Mode : Select controller beeps or alarm activate when door open time has expired. This function should works with 「Door sensor Detection Time」.
 e.g.: Setting: Door open time is 4 seconds . Alarm action time is 5 seconds. Door detection time is 10 seconds. Door detection and warning mode. Set to be Alarm Relay.

Description : After a door opens, it will auto re-lock within 4 seconds. If the door is not closed properly that causes failing to auto re-lock, it will start counting 10 seconds. After 10 seconds, if the door still left open, it will trigger alarm for 5 seconds. The trigger

mode is Alarm Relay.

[UI Parameter] (Not support HAC-C2 Series)

• Keypad : Enable or disable keypad function.

[Set Memory Mode] (Not support HAC-512/HAC-C2 Series)

- Set Memory Mode : Except SHR-100, all controllers' default are standard mode
 - Standard Mode : Support 1,024 card numbers with password and 800 events.
 - Compressed Mode : Support 1,400 compressed card numbers with password and 1,800 events.
 - Shared Mode : Support 65,535 card numbers without password and 1,800 events.



	ntrol Parking TimeAttendance Elevator		-
	ing 🛛 🛬 Mifare card Issuance 🐣 Add Users Automatic 🧃	-	👁 Event Monitor 🛛 🗶 Close
	🕻 Delete 🔛 Save 🏪 Copy 📗 Order 🦾 Time Synchro	nization to All	
Door-01 Door-02	Parameter1 Parameter2 Mifare Parameter		
A-1	🕴 🐝 Read Parameter 🛛 🎲 Set Parameter		
	Door Control	Door I/O Parameters	UI Parameters
C-52	Save Invalid Card Records	Unlock Door Relay Action Time	Keypad
_	No	4 🛒	Opén 💌
	Master Card	Alarm Action Time	
	30191000	0	Set Memory Mode
	Disam Code	Exit Button Status	Standard Mode 👻
	0000	Short Circuit Action -	Warning I Changing the memory mode will clear all valid cards and transactions
	Duress Code	Activate Case Sensor	CIERI ALI VALID CATOS AND URIDACUOILS
	1190	Disable Door Sensor Status	
	Activate Alarm Relay Under Duress	Closed	Set
	Enable 👻	Door Sensor Detection Time	
	Anti-passback Function	0	
	Close 👻	Door Sensor Detect Mode	
	De O e Mala	Reader Beep 👻	
	Door Open Mode Card/Code with Password		
	Caluccole whit Password		
	Re-swipe Card Check Time		
	0		
	Slave		
	 Slave Reader (T2) 		
	 Slave Reader (Wiegand26, 8 digits) 		
	 Slave Reader (Wiegand26, 10 digits) 		
	 Slave Reader (Wiegand34, 10 digits) 		
Login ADMIN Current op	eartion: Access Control Hardware Setting	Current Time 2016/4/1 下午 02:19:05	
· ·			

5-2 Auth Setting (HAMS-10)

5-2-1 Group Authorization Setting

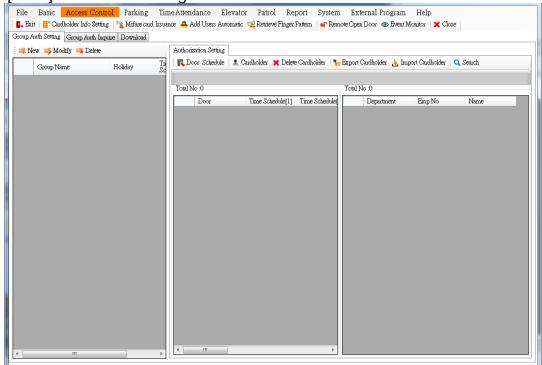
Create group and assign user authorization.

Note: Biometric Characteristics device may only assign a time schedule.

Operation Steps:

- 1. Click [New].
- 2. Input group name.

3. Click [Save] to save the setting.



4. Go to [Door Schedule].Select a Time schedule from left side first. Then select the doors which you want to authorize.

Hint: Speedy Selection: Press CTRL key and select doors by mouse or press SHIFT key and select doors successively by mouse.

5. Click [OK].

ıp Auth Setting Group Auth Inquire Download New 🥩 Modify 👒 Delete	Authorization Setting	
Group Name	🗄 🖪 Door Schedule 🗈 Cardholder 🗙 Delete Cardholder	🛛 Eitport Cardholder 👌 Import Cardholder 🛛 🔍 Search
AA	Record O	. Record-0
	Serail No Door	Department Emp No Name
	OK Cancel	
	🛛 Set 🔲 Reverse Select	
	Door Status Setting	
	Door-02 1	
	A-1	
	B-1	
	C-52	

p Auth Setting Group Auth Inquire Down									
New 📫 Modify 📫 Delete	Authorization S								
Group Name	R Door Sd	hedule 🚨 Can	sholder	🗙 Delete Car	dholder 🎦 Export 🤇	Cardholder 🁌 I	mport Cardholder	🔍 Search	
AA									
	Record-2						0.bnc		
	🖳 Select Cardholder	1					Department	Emp No	Name
	OK Cancel					_			
	Department	Cardho	lder						
	ABC	🗹 Se	lect All	Select Nor					
				Name	No				
		1							
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		4 5							
		6		test006 test007		_			
		7				_			
		8		test009					
		19							
		10		test011	00011				
		11		test012	00012				
		12		test013	00013				
		13		test014	00014				
		14		test015	00015				
		15		test016	00016				
		16		test017	00017				
		17		test018	00018				
		18		test019	00019				
		19		test020	00020				
		20		test021	00021				

- 6. Go to [Cardholder]. Tick the department then you will read cardholder list which belong the department. And then you can start to tick the cardholders.
- 7. Click [Save] to save the setting. If want to delete the selection, please remove the tick.
- 8. Able to use "Search" function according to the types of search criteria, like Emp. No, Name or Department.

oup Auth Setting 🛛 Group Auth 📫 New 📫 Modify 📫 Dele		Authorization Setting
Group Name	Holiday Time Schedule	🛛 🕵 Door Schedule 🔹 Cardholder 🗙 Delete Cardholder 🏪 Export Cardholder 🌛 Import Cardholder 🔍 Search
А		Record! Pecced! Door Time Schelule[1] Door 1 Name 1 Door 1

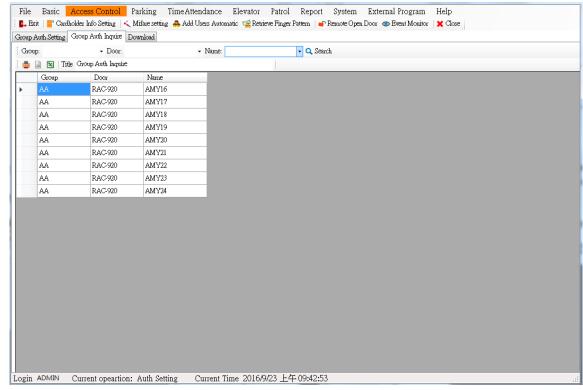
After setting completed, system also allows users to click [Export Cardholder] to produce a txt file base on the setting. The file only includes cardholder name and authority by department. This file may import to system and use for other group authorization

5-2-2 Group Authorization Inquire

Enquire user's authorization. Specify the range according to Group, door and User name. Report provides print function and can be converted to TXT or XLS format for other application.

Operation Steps :

- 1. Check dynamic drop-down menu, you will read group, door and name.
- 2. Click 「Search」.



5-2-3 Download

Download users' authorizations to controller.

Operation Steps :

- 1. Select downloading by group auth. or by device.
- 2. Select group or device or select "All" to downloading.
- 3. Click [¬] Start ₊ to start the download.

	Attendance Recorder Elevator				
	& Mifare card Issuance 🐣 Add Users Autom	atic 🤹 Retrieve Finger Templates 🛛 💣 Re	mote Open Door 💿 Event Monitor	: 🗙 Close	
oup Auth Setting Group Auth Inquire					
AA	920 V RAC-340PM V RAC-340PM-1	 Download All Modification 			
All					
By Group Auth	 By Device 				
	tting Current Time 2014/3/7 下午 09:22:31				

5-3 Access Control Hardware Setting (HAMS-19)

Hardware Supported List : HAC-100/HAC-101/HAC-710/RAC-810PMF/RAC-820PEF/ RAC-820PMF/RAC-820PMFV/RAC-852/940/960/970/971/RAC-850PMFA/HAC-A12

HAC-101 is an elevator controller by default. If you need to use it as an access controller, please go to "Special Parameter Settings" in "Mifare Settings" to change the mode to be an access control mode then add the new hardware. (Please refer to the chapter "Special Parameter Settings")

5-3-1 Hardware Detail List

Operation Steps:

- 1. Click [New], then select communication type.
 - Communication Type: Select COM PORT or TCP/IP. When using COM PORT, please make sure the COM PORT number and baud rate must be 19200. When using TCP/IP, please input IP address and port.
- 2. Input device name and device ID (Default ID is 1).
- 3. Select device model.
- 4. Save the setting.

Basic Access Control Parking Time Attendance Elevator Patrol Report System External Program Help
📴 Cardholder Info Setting 🔨 Mifare setting 🚔 Add Users Automatic 🤹 Reviewe Finger Pattern 🛶 Remote Open Door 💿 Event Monitor 🗙 Close New 🥪 Modify 👒 Delete 🔐 Save 👔 Order 🊡 Read 📾 Set 号 Copy 🏠 Time Synchronization to All
A real A re
Add Device
Comm. Type Parameter
Pot p
• IP 172.1642.25
Port
4680
Device Name 960PMF
Device ID
Denice Model
RAC 960PMF
Save Bin
DMIN Current opeartion: Access Control Hardware Setting Current Time 2020-01-03 16:40:36

- 5. Click [Copy] and may copy parameter to other same model machines.
 - Copy Parameter: Only copy Siren Timetable and Duty Time Switch Table and Password/Alarm Timetable to selected same model machines.

- Upload Parameter: System will upload above timetables to selected same model machines individually.
- Copy and Upload: System will copy and upload current machine's timetables to selected same model machines.

	ance Elevator Patrol Report System External Program Help is Automatic Retrieve Engre Paten Promote Open Door	Card with password
Login ADMIN Current opeartion: Access Control Hard	ware Setting Current Time 2020-01-07 10:25:31	

- 6. Click [Time Sync] to read device time.
 - Time Sync.: Synchronize time by PC
 - Set Time: Input date and time by user.
- 7. Click Order may sort the devices.

📲 Order 🛛 📩 Time Synchronization to All

🔡 Order		
Exit	🛉 Up 🤳 Down	

8. Click Time Synchronization to All may correct all devices' time once.

5-3-2 Modify Connecting information

It is mainly to modify communication parameter, like IP address, port number, device name, and device ID and model selection.

Operation Step:

- 1. Select the controller on the left side.
- 2. Click [Modify].
- 3. Modify the setting. For example: comm. type, device name and device ID.
- 4. Clicking [Save] to saving the modification.

	Adance Elevator Patrol Report System External Program Help Sea Automatic Retrieve Finger Paten Remote Open Door Devent Monitor X Case Read Ster Pacey A Time Synchronization to All 9607	e Card with password Time Sync Version 20200107 10 2631 Set Time Assigned INVOUT Device IN Slave Reader OUT
Login ADMIN Current opeartion: Access Control Hard	dware Setting Current Time 2020-01-07 10:26:35	

Other modifiable parameters:

- <u>Activate slave reader:</u> Depending on current device structure. After tick check box of Activate salve reader and then user can input slave reader name. Request to tick check box for using time and attendance management or patrol management.
- <u>Slave Reader Name:</u> The name will show when retrieve swiped records and swipe card report.
- <u>Card with password:</u> Tick the check box and system will download password to device. Users may need swipe card then press password for access. If the password is not entering in cardholder information, the door will open upon swipe valid cards. (For RAC-810PMF/RAC-820PEF/RAC-820PMF reserved)

• <u>Assigned In/Out:</u> Assigned In and out of controller and slave reader.

After modify the parameter, please remember to press button [Set] to download the value and then the settings will be effected.

[Parameter Setup]:

Note! Modify system parameter will clear all valid cards and swipe card records. Please do not modify it arbitrary. In order to modify system parameters unwittingly, user need press button [Read] and then may modify the parameters.

- <u>Reader Type:</u> If reader type is different from current slave reader, system is not able to retrieval events from slave reader.
 - Slave Reader (T1/T2): Slave reader supports T1/T2 interface. Reader will send 10 digits back to program.
 - Slave Reader (Wiegand 26, 8 codes): Slave reader supports Wiegand 26 interface. Reader will send 8 digits back to program.
 - Slave Reader (Wiegand 26, 10 codes): Slave reader supports Wiegand 26 interface. Reader will send 8 digits back to program and program add 00 in front of number automatically and display 10 digits to users.
 - Slave Reader (Wiegand 34, 10 codes): Slave reader supports Wiegand 34 interface. Reader will send 10 digits back to program.
- <u>Max. no of valid card:</u> Default valid card number is 10,000 and max. 18,000.
 Note: Controller will draw up a best memory distribution, so sometime the current value will different from your setting. For example: Set valid card no is 12,000, but after read back setting values, you will read 12,006 cards. It is normal situation. By the way, the valid card amount will affect event space. if the valid card amount is few, the event space will increase.
- <u>Device Mode</u>: When select "Simple Mode", controller will display card number only when card swiped. If select "Valid Card+ Name", controller will display name and card number when card swiped. Default display of card number is ****, if wants to display plain code, kindly go to Parameter 1 to enable display card number function.
- <u>Retrieve Biometric Characteristics</u>: Please input card number first when "Once" selection. Then press button [Retrieve]. It is highly recommend retrieving all biometric characteristics at first time. After that, user can retrieve biometric characteristics singly to avoid long time retrieval. (System will take 4~5 minutes for 200 biometric characteristics)

Note: Please retrieve all biometric characteristics when no users use machine, especial avoid office hours lest retrieval failed. If retrieval failed, system will have a log file in C:\Program files\HAMS-24\Logs\date.log. Operator may know which retrieval is failed and retrieve it again by "Once".

File Basic Access Control Parking Time A		-		rternal Program Helj Open Door 👁 Event Moni	-
🗄 Device 📫 New 🥩 Modify 🎽 Save 🔩 Delete 📑 Order	📓 Read 💼 Set 🏪 Cop	oy 🏡 Time Synchroniza	tion to All		
RAC-850PMFA HAC-710PE	RAC-850PMFA				
RAC-960PMF		rameter 1 🛛 🛂 Parameter i			
	- Comm. Type	-Parameter	De	evice ID	Card with password
	 Port 	P	1		
	0 P	172.16.42.50			
		Port	E 1	Activate slave reader	Time Sync Version
		4660	Slav	ve Reader Name	
					2020/07/23 11:49:30
	Parameter Setup				Set Time
	Reader Type		-Max. no. of	valid card:	Assigned IN/OUT
	 Slave Reader (T1 	/T2)	10240		Device
	 Slave Reader (W 	-			IN T
	Slave Reader (W		-Device Mod	le	
	Slave Reader (W)	iegand34, 10 Codes)	 Simple I 	Mode	Slave Reader
			┘ │ │	. 1. M	UUT -
	Set	ead	Value Ca	alo + Ivallie	
	- Retrieve Biometric Cha	racteristics			
		ard No			
				Retrieve	
	All				
Login ADMIN Current opeartion: Access Control	Hardware Setting	Current Time 2020-	-07-23 11:49:5	57	

5-3-3 Parameter 1

To modify controller's status

Operation Steps:

- 1. Select the controller on the left side.
- Click [Read] to get back current setting of controller. System will read parameter 1, parameter 2, parameter 3 and parameter 4 back at the same time. Similarly when click [Set], system will set all parameters once.
- 3. Parameter 1 contents:

[Device Status Setup]

- Doesn't inspect auth. on time schedule of slave reader: Tick the check box, request card with pin code for slave reader access. (Default is unchecked).
- Indoor Mode: when tick the check box, controller will be indoor mode. If preceding parameter is ticked, controller will check access authorization.
- Activate alarm for blacklist card: Tick the check box, the alarm will activate when swipe blacklist card.
- Do not request password of slave reader: When tick the check box, slave reader only request swipe card.
- Display card number: Controller will display card number after tick the check box.
- Do not store invalid card record: System will not store invalid card records after tick the check box.
- Cannot overwrite store records: System will stop saving data when the storage limit is exceeded. User need retrieve all data to database first.
- Activate alarm when memory full: When stored records full, system will receive "Memory Full" event. This function works hand in hand with "Cannot overwrite store records" Function. System will activate a warning alarm.

Note: Only RAC-820PMFV/852/960/RAC-970 supports this function.

[Error Setup]

- No. of re-swipe card: Allowed error times of re-swiping the same card. This function works hand in hand with "Max. re-swipe invalid card to ceases system" function.
- Max. re-swipe invalid card to ceases system: How many seconds the device will stop working when re-swiping invalid card. After a certain period of time, the device will function again. This function works hand in hand with "No. of re-swipe card" Function.

• Frequency of fingerprint mismatch : Select the number of times that fingerprint mismatches. If the fingerprint mismatch reaches the given times, the device will pause for some seconds and then resume to work(Only for fingerprint models) Note : The retry count by card, or by fingerprint are separate.

[Compress Valid Code]

- •Index: The index digit of compare valid card number.
- •Length: How many digits you want to compare.

Ex: Card No. is 1234567890, if compare index is 1, compare length is 3. Valid cards with number starting with 123 will be granted access.

[Retrieve Valid Code]

- Index: The index digit of retrieve valid card number.
- Length: How many digits you want to retrieve of valid card no.
 Ex: Card NO. is 1234567890, valid code index is 2, length is 6. The retrieve valid card no. will be 234567. Please note, in cardholder information, the card no. should be 234567 too, otherwise the door will not open.

[Master/Disarm/Duress]

- Master Card: Required to enter command mode of controller (Default is 30191000). Kindly refer to hardware manual. (For RAC-820PMFV reserved)
- Disarm Code/card: To deactivate the alarm, disarm code/card is inputted.(Default code is 0000)
- Duress Code/card: Alarm will be activated and door will be opened upon pressing duress code/card.(default code is 1190)

[LCD Display Date] (For For RAC-810PMF/RAC-820PEF/RAC-820PMF/RAC-820PMFV reserved)

- YYYY/MM/DD: LCD displays Year/Month/Day.
- MM/DD/YYYY: LCD displays Month/Day/Year.
- DD/MM/YYYY: LCD displays Day/Month/Year.

[Select Language] (RAC-810PMF/RAC-820PEF/RAC-820PMF/RAC-820PMFV language options for voice prompts)

• English: LCD displays English. (Voice prompts are in English)

- Tradition Chinese: LCD displays Tradition Chinese. (Voice Prompts are in Chinese)
- Simplified Chinese : LCD displays Simplified Chinese. (Voice Prompt are in Chinese)

[Time Adjustment] (For RAC-810PMF/RAC-820PEF/RAC-820PMF/RAC-820PMFV reserved)

 Hourly Adjustment : How many hours would like to be set 1 second forward or 1 second backward.

[Keypad Setup] (For RAC-810PMF/RAC-820PEF/RAC-820PMF/RAC-820PMFV reserved)

- Enable keypad : Tick the check box then keypad is enabled.
- Enable function key : Tick the check box; function keys F1/F2/F3/F4 will be enabled.
- Keypad with backlight
 - Auto : When swipe card or press the keypad, the keypad backlight will activate automatic.
 - Open : Always activate of keypad backlight.
 - Close : Always inactivate of keypad backlight.
- 4. After clicking [Save], please click [Set], then the parameter for the settings to take effect.

File Basic Access Control Parking TimeAtten	lance Elevator Patrol Report Syste	m External Program Help	
🗄 🛃 Exit 🛛 📑 Cardholder Info Setting 🛛 🔨 Mifare setting 🛛 🐣 Add Use	rs Automatic 🤹 Retrieve Finger Pattern ୶ Remote (Dpen Door 💿 Event Monitor 💥 Close	
i Device 📫 New 📫 Modify 🔩 Delete 🔛 Save 📲 Order 🛛 🙀	kead 🔳 Set 号 Copy 🏡 Time Synchronization to A	1	
960F	960F		
970	Connecting Sa Parameter 1 Sa Parameter 2	🌄 Parameter 3 🔛 Parameter 4	
	Device Status Setup	Compress Valid Code	LCD Display Date
960F_01 HAC-100	Doesn't inspect auth on time schdule of slave	Index	YYYYMM/DD
	🔲 Indoor mode	0	
	Activate alarm for blacklist card	Length	
	🔲 Do not request password of slave reader	0	O DD/MM/YYYY
	🔲 Display Card No	Retrieve Valid Code	Select LCD Language
	Do not store invalid card record	Index	e English
	Cannot overwrite store records	1	 Chinese (Tradition)
		Length	 Chinese (Simplified)
	Activate alarm when memory full	0	
	Error Setup	Master/Disarm/Duress	Keypad Setup
	No of re-swipe card	Master Card	Enable Keypad
	0	30191000	✓ Enable Function Key
	Max. re-swipe invaild card to access	Disam Code	Keypad with Backlight
	0	0000	
	(Disable when value is 0)	Duress Code	Auto
	Frequency of fingerprint mismatch	1190	Open
	0		Close
	(Disable when value is 0)		
Login ADMIN Current opeartion: Access Control Hard	ware Setting Current Time 2020-01-07	10:27:56	

5-3-4 Parameter 2

To modify relay and sensor's status of controller

Operation Steps:

- 1. Select the controller on the left side.
- Click [Read] to get back current setting of controller. System will read parameter 1, parameter 2, parameter 3 and parameter 4 back at the same time. Similarly when click [Set], system will set all parameters once.
- 3. Parameter 2 contents:

[LCD Status Setup] (For RAC-810PMF/RAC-820PEF/RAC-820PMF/RAC-820PMFV reserved)

- Backlight Mode
 - Auto : When swipe card or press the keypad, the LCD backlight will activate automatic.
 - Open : Always activate of LCD backlight.
 - Close : Always inactivate of LCD backlight.
- Return to ready status (sec.) : The duration of return to ready status after swiping card.

[Case Sensor Alarm]

- Activate buzzer : Activate buzzer when controller tamper proof.
- Activate alarm relay : Activate alarm relay when controller tamper proof.

[Alarm relay Setup]

- Pulse (Second) : It will return to original position within the time you set.
- Toggle : Alarm relay will not return to original position until alarm relay has been activated again.
- Latch : It will not return to original position until alarm release code has been entered.
- [Anti]
 - Close : Disable Anti-pass back function.
 - Open : Enable Anti-pass back function. When enable this function, the slave reader must be installed.

Anti-pass back management : Main controller is for in and slave reader is for out.

This function request user swipe card in main controller for in and must swipe card in slave reader for out. Otherwise, user cannot swipe card in main controller again.

[Activate Alarm Setup]

- Enable Time (Minute) : The duration of alarm after activate alarm.
- Disable Time (Minute) : The duration of alarm after inactivate alarm.
- No. of Repetitive : The repetitive number of activate and inactivate alarm when in the emergency.

Ex : Set enables time as 1, disable time as 1 and No. of repetitive as 3. The system will activate alarm for 1 min then stop it. After 1 min later, activate alarm again and 3 times continuously.

Note : This parameter only takes effect in Latch mode of alarm relay.

[Door Relay Setup]

- Pulse (Second) : Door relay will return to original position within the time you set. Default is 4 seconds.
- Toggle : Door relay will not return to original position until door relay has been activated again.

[Finger] (RAC-810PMF/RAC-820PEF/RAC-820PMF/960PXF/970PXF/971PXF) / [Finger Vein Parameter] (RAC-820PMFV/852PXFV)

- Activate 1:1 Authentication : Default is 1 : N identification, user access by biometric characteristics only. When tick the box, user need swipe card and put biometric characteristics for access. (For RAC-820PMFV reserved)
- Multiple card Comparison : Download the dual card according to the dual card settings in the "Basic" setting.
- Enable Audio Prompt : Default is enabling audio prompt.
- Assign a Biometric Characteristics as Master Card : Assign a user's biometric characteristics as Master card. (For RAC-810PMF/RAC-820PEF/RAC-820PMF/RAC-820PMFV reserved)
- No need identify finger when card no is authorized : Allow users open door by card only, do not need use finger vein. (For RAC-810PMF/RAC-820PEF/RAC-820PMF/ RAC-820PMFV/RAC-852 series only)
- RS-485 Mode : Communication with finger reader or DVR selection. (For RAC-810 PMF/RAC-820PEF/RAC-820PMF/RAC-820PMFV reserved)

[Select Relay Action] (For RAC-810PMF/RAC-820PEF/RAC-820PMF/RAC-820PMFV reserved)

Relay 0 signifies built-in relay of controller. Relay 1 and relay 2 signifies relay 1 and 2 of

ACU-30. Default mode is mode 0.

Note : When change Relay 2 from siren to alarm, please clear siren timetable and download the setting. Relay action will become to alarm.

	Relay0	Relay1	Relay2	Relay3
Mode 0	Door	Door	Alarm/ Siren	Х
Mode 1	Bell	Door	Alarm/ Siren	х

[Door Sensor Alarm Action]

- Activate Buzzer : Activate buzzer when door does not close.
- Activate Alarm Relay : Activate alarm relay until door has to be closed.
- Door Sensor Detection Time : Sets the duration of door's status. Default value is 0 which means this function is deactivated. Example : Sensor detection time is 30 seconds, if the door open time has expired 30 seconds after door relay return to original position but door does not close, controller will make beep sound continuity.

[Bell Relay Setup] (For RAC-810PMF/RAC-820PEF/RAC-820PMF/RAC-820PMFV/RAC-852 reserved)

• Pulse (Second) : Set the duration of bell.

[Sensor NC/NO]

- Door Sensor NO : Reverse Door sensor active level. Default is NC.
- Push Button NO : Reverse Push Button active level. Default is NO.

4. After clicking [Save], please click [Set], then the parameter for the settings to take effect.

e 📫 New 🥵 Modify 🕍 Save 👒 Delete 📗 RAC-850PMFA		me synchronization to All	
HAC-710PE	RAC-960PMF		
RAC-960PMF		Parameter 2 🔛 Parameter 3 🔛 Paramete	
	- LCD Status Setup Backlight Mode	Activate Alarm Setup Enable Time (Minute)	Door Sensor Alarm Action
	 Auto 		
		Disable Time (Minute)	Civate Alam Relay
	Open 💿		Door Sensor Detection Time
	 Close 		0
	Return to Ready Status (Sec)	No. of Repetitive	(Disable when value is 0)
	8	1	
	Case Sensor Alarm	Door Relay Setup	Bell Relay Setup
	Activate Buzzer	 Pulse(Sec) 	Pulse(Sec)
	Activate Alarm Relay	4.0	4.0 *
		 Toggle 	
		loggie	
	Alarm Relay Setup	Finger	
	 Pulse(Sec) 	Activate 1:1 Authentication	RS-485 Mode Finger Reader
	0.0	Multiple Card Comparison	i inger reconst
	 Toggle 	V Enable Audio Prompt	
	Latch	Assign a Biometric Characteristics as	: Master Card
	Anti	Select Relay Action	- Sensor NC/NO
	 Close 	 Mode 0 (Door/Door/Alarm, Siren) 	Door Sensor NO
	© Open	 Mode 1 (Bell/Door/Alarm,Siren) 	
			Push Button NO

5-3-5 Parameter 3

To modify controller's siren and unlock door time schedule

Operation Steps:

- 1. Select the controller on the left side.
- Click [Read] to get back current setting of controller. System will read parameter 1, parameter 2, parameter 3 and parameter 4 back at the same time. Similarly when click [Set], system will set all parameters once.
- 3. Parameter 3 contents:

[Siren Timetable]

- Operation Steps:
 - 1. Select numeric keys, 4 sets of alarm time schedule to each numeric key 1~8. Total has 32 sets. (RAC-940PE/PM/PMD only has 8 sets.)
 - 2. Tick the box which wants to activate.
 - 3. Input start time.
 - 4. Input duration of alarm.

5. Tick the box of weekday. The alarm will not activate if the check box is not ticked.

[Conditional Unlock Door]

- Operation Steps:
 - 1. A controller provides 8 sets conditional unlock door time.
 - 2. Tick the box which wants to activate.
 - Select the time schedule which has been set in "Access Control Time Schedule Setting" function
 - 4. Click [Save] and [Set], the parameter for the settings to take effect.

Note:

- 1. Please set time zone and time schedule first.
- 2. Priority authorization of access control is holiday schedule first. Then conditional unlock door and periodic time schedule.

			Canada Social Contraction	onditional Unlock I	- ovni		_												_
	one Set	-						e Setting										ional Unlock Door —	
/lodi			cel 📄 Advance			Μα	lify Ca	ncel Save Cano	cel								Save		
_	No 0	Start Time	End Time 23:59	-	Â		No	Description	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Universal Holiday Setting		Device Name	•
	1	00:00	00:00		E	•	0	1	1	1	1	1	1	0	0	2		Description	9
	2	08:00	17:00		=		1	2	0	0	0	0	0	0	0	0	- 1		r
	3						2	3	0	0	0	0	0	0	0	0	2		,
	4						3	4	0	0	0	0	0	0	0	0	3		7
	5						4	5	0	0	0	0	0	0	0	0			7
	6						5	6	0	0	0	0	0	0	0	0	5		1
	7						6	7	0	0	0	0	0	0	0	0	6		1
	8						7	8	0	0	0	0	0	0	0	0			1
	9						8	9	0	0	0	0	0	0	0	0	7		
	10						9	10	0	0	0	0	0	0	0	0	8		r
	11						10	11	0	0	0	0	0	0	0	0			
	12						11	12	0	0	0	0	0	0	0	0			
	13						12	13	0	0	0	0	0	0	0	0			
	14						13	14	0	0	0	0	0	0	0	0			
	15						14	15	0	0	0	0	0	0	0	0			
	16						15	16	0	0	0	0	0	0	0	0			
	17						16		0	0	0	0	0	0	0	0			
	18						17		0	0	0	0	0	0	0	0	_		
	19					•	10		0	<u>^</u>		0	0	<u></u>		•			
	20			_															
	21 22																		

Operator may set un-luck door time in parameter 3 or time schedule worksheet as below.

Note: Once set unlock door time schedule in time schedule worksheet, please remember back to parameter 3 to upload the settings (Click button SET) into device.

[LCD display original duty shift automatic] : Controller LCD display will return to original duty shift automatic when user changes duty shift by manual. (For RAC-810PMF/RAC-820PEF/ RAC-820PMF/RAC-820PMFV reserved)

[Roll Shutter Mode] : Access control mode will become Roll shutter mode. How to control roll shutter, kindly check hardware manual. (For RAC-940/RAC-60PE/PM/PMD,RAC-970PE/PM/PMD, RAC-971PE/PM and RAC-850PMFA only)

[Re-swipe Card Check Time]: This is the time for checking the card repeatedly. As the time is set, once user swipes card more than once within a preset time, system will not record the event and will make beep sound. (For RAC-820PMFV/ RAC-850PMFA reserved)

[Activate alarm relay when reach the number of errors]: System will activate alarm relay when reach the number of errors. (For RAC-810PMF/820PEF/RAC-820PMF/820PMFV/ 852/ 940/960/970/971/RAC-850PMFA only) to activate this function, please set values in parameter 1 [No of re-swiped card].

[Push Button with voice]: When pressing the push button to open the door, controller will make a "beep" sound. (Only for RAC-960/970/971 Series)

[Assign a Biometric Characteristics as Master Card] (For RAC-852/RAC-960PMF/PEF ,RAC-970PEF/PMF/PMDF/RAC-971PEF/PMF Only)

Assign a biometric characteristics as master card/code. After click [Setting], the biometric characteristics settings will be affected.

[Memory Read/Write]

Change memory value from specified block to change controller actions. Please contact with service for details operation. Please do not modify data arbitrary, therefore controller will be abnormal.

4. After clicking [Save], please click [Set], then the Siren Timetable and Conditional Unlock Door setting will be affected.

		_
	tendance Elevator Patrol Report System External Program Help	
	d Users Automatic 🤹 Retrieve Biometric Characteristics 🛛 🛶 Remote Open Door 💿 Event Monitor 🛛 🗶 Close	
🗄 Device 📫 New 📫 Modify 🔛 Save 🔩 Delete 📲 Order	📓 Read 🗰 Set 号 Copy 📩 Time Synchronization to All	
RAC-850PMFA	RAC-960PMF	
HAC-710PE RAC-960PMF	🔸 Connecting 🛃 Parameter 1 🛃 Parameter 2 🛃 Parameter 3 🛃 Parameter 4	
RAC-852	Shen Timetable	
	Time Sec M T W T F S S 🛛 🔽 LCD display original duty shift automatic	
	2 0000 0 + Resvice Card Check Time	
	4 0000 0 •	
	1 2 3 4 5 6 7 8	
	Assign a Biometric Characteristics as Master Card	
	· · · · · · · · · · · · · · · · · · ·	
	Setting Delete	
	Conditional Unlock Door Memory Read/Write	
	3 1 Value	
	A 1 B 1 Read Set	
Login ADMIN Current operation: Access Control H	Hardware Setting Current Time 2020.07.21 15:54:09	

5-3-6 Parameter 4

It is mainly set what duty shift you want to display in the device.

Operation Steps:

- 1. Select the controller on the left side.
- Click [Read] to get back current setting of controller. System will read parameter 1, parameter 2, parameter 3 and parameter 4 back at the same time. Similarly when click [Set], system will set all parameters once.
- 3. Parameter 4 contents:

[Duty Timetable]

- Display Duty Shift: Provide 7 sets duty shift name. The first set displays when controller in the Ready Status.
- Duty Time Switch Table: Controller will switch duty shift and display on LCD base on this setting.

Operation Steps:

- Select numeric keys, 4 sets of duty shift time schedule to each numeric key 1~8. Total has 32 sets.
- 2. Tick the box which wants to display on the LCD.
- 3. Input start time.
- 4. Input duty shift code.

[Anti Reset]

Operation Steps:

- 1. Tick the check box which wants to activate.
- 2. Input start time. System will follow the setting to manage In/Out access.

[Password/Alarm Timetable Setup]

- Request Password Schedule: Request swipe card with password for access.
 Operation Steps:
 - 1. A controller provides 8 sets password schedule.
 - 2. Tick the box to activate the password schedule.
 - 3. Select the time schedule. (Please set time zone and time schedule first.) Note: Please tick the check box of card with password. Then the function is effective. Kindly refer to Chapter 5.3.2. If users do not set password timetable and tick the check box of card with password, system will request 24 hours card with password for access.

 Alarm Schedule: When alarm schedule has been set, system will only activate alarm during the time range of schedule. Otherwise alarm relay can activate for anytime.

Operation Steps:

- 1. A controller only provides a set alarm schedule.
- 2. Tick the check box.
- 3. Input time range.
- 4. After clicking [Save], please click [Set], then the parameter for the settings to take effect.

960F 970 970f	960F
960 0 960 0 960 0 HAC100	Duty Times bale Duty Times Switch Table 1 Readyl 2 Duty Times Duty Shift 3 DUTY ONF 4 DUTY ONF 5 BREAK NU 6 OT_START 7 OT_BRD 4 Time 7 OT_BRD 8 COUCLESS 9 COUCLESS 9 COUCLESS 1 Time 1 Time 2 Time 1 Time 1 Time 2 Time 1 Time 1 Time 1 Time 1 Time 1 Time 2 Time 1 Time 1 Time 1 Time 1 Time 2 Time 1 Time 2 Time 3 Time 1 Time 2 Time

5-3-7 Function Set (HAC-100/HAC-101/HAC-710/HAC-A12/HAC-971)

To display the device information and do the time calibration (Time Sync).

Operating Steps

- 1. Press "Read" button to get all the device function information.
- 2. The window will display function contents, like model number, firmware version, card
 - holder's capacity etc.

RAC-850PMFA HAC-710PE	-	HAC-710PE								
	Function	Set 🔝 System Parameter 📓 Access control par	rameters 🐉 Time At	tendance Parameters						
	🐝 Read	Other information								
	Ui	ique Function name	Content	2020/07/20 16:27:10						
	▶ 2	Device Type	HAC-710PM	Set Time						
	3	Firmware Version	1.2							
	4	Maximum no. of valid cards	20000	Read Time						
	5	Maximum no. of swiped card records	40000	INDRO TIME						
	6	Number of Ethernet Ports	1	Time Sync						
	7	Number of RS-485 Ports	1	Thuc synt						
	8	Number of RS-232 Ports	0							
	9	Automatic sorting by card number(0:No,1	:Yes) 1							
	10	Total number of doors	1							
	11	Number of reader	1							
	16	AntiPassback	1							
	16	Door Interlocking	0							
	18	No. of time zones	256							
	19	No. of holidays schedules	2							
	21	Max. Number of Digits (Valid Card)	16							
	22	Max. Number of Digits (Password)	4							
	23	Capacity for valid card to display message	. 0							
	24	The size of the communication buffers (32	2Byte) 45							
	27	Total Number of Relays	1							
	32	Firmware Date	2020/07/20							

- 3. Click "Other Information", the number of invalid cards and the number of transaction will
 - be displayed on the window.

Other parameter contents:

Read Time : Get the device's current time; if successfully, it will show the message "Read Successful" and show the time. (Year, Month, Date, Hour, Minute, Second) Set Time : Set the time and synchronize the time to device.

Time Sync: Do the time sync. (Calibration) to device according to the time on PC.

5-3-8 System Parameter (HAC-100/HAC-101/HAC-710/HAC-A12/HAC-971)

To modify the device's parameters :

Operating Steps :

- 1. Select the device (control panel) that you are going to modify.
- 2. Press "Read" button to get the existing settings.
- 3. Modify the parameter settings.
- 4. Press "Set" to effect the changes.

Parameter Functions are as below :

[UI Parameters] (Not support HAC-710PE/PM and HAC-A12)

- Language options :
 - English : LCD displays in English.
 - Traditional Chinese : LCD displays in Traditional Chinese.
 - Simplified Chinese : LCD displays in simplified Chinese.

[Date Format] Settable the date format to display on device LCD:(Not support HAC-710 and HAC-A12 Series)

- •YYYY/MM/DD : Device LCD displays date format (Year / Month / Date) 。
- MM/DD/YYYY : Device LCD displays date format (Month/Date/Year) •
- DD/MM/YYYY : Device LCD displays date format (Date / Month / Year)
- •YYYY-MM-DD : Device LCD displays date format (Year-Month-Date)
- MM-DD-YY : Device LCD displays date format (Month-Date-Year)
- DD-MM-YY : Device LCD displays date format (Date-Month-Year)

[LCD backlight mode] (Not support HAC-710 and HAC-A12 Series)

LCD backlight mode

Auto : While operating it or swiping card, the LCD backlight will be activated.

- Open: LCD backlight is always on.
- Close : LCD backlight is always off.

[Keypad with Backlight mode] (Only support HAC-971)

- Keypad with Backlight Mode
 - Auto : While operating it or swiping card, the LCD backlight will be activated.
 - Open : LCD backlight is always on.
 - Close : LCD backlight is always off.

[Message Stay Duration] The time(1~255 seconds, 0 means the default value 10 seconds) that message will stay on LCD. (Not support HAC-710 and HAC-A12 Series)

[Number keys] enable / disable numeric keys.

[Volume control] Can adjust the volume of sound, eg. Off, Small, Medium, Large. (Only for HAC-100/101 Series/HAC-710/ HAC-A12 and HAC-971 Series)

[Function keys] enable or disable function keys; The default value is to enable the function keys F1/F2/F3/F4 or HAC-A12's bell function. (Not support HAC-710 Series)

[Display card number method] Select how the LCD display while swiping card: (Not support HAC-710 Series/HAC-A12)

- Display the asterisk symbol "*".
- Display card number.

	📑 Order 🔄 Read 🔳 Set 🏪 Copy 🍰 Time Synchronizatio	a to All
01 01	100-01	
PMF-01	🗲 Function Set 📓 System Parameter	🔡 Access control parameters 🌮 Time Attendance Parameters
	🦾 Read 🧼 Set	
	UI Parameters Select LCD Language	Marca - Com Do ania
	 Select LoD Language english 	Message Stay Duration
	 Chinese (Tradition) 	
		(0~255, 0 signifies default value is 10 seconds)
	Chinese (Simplified)	N. Ja Jam
	Date Format O YYYY/MM/DD	Number keys
		Close
		Open
		Function keys
	YYYY-MM-DD NO DD NV	Close
	○ MM-DD-YY ○ DD-MM-YY	Open
	Backlight Mode	
	Auto	Display Card No Method Display Asterisk
	Open	 Display Fiscal N Display Card No
		 Display Card No The last 3 digits of card number show '*'
	Close	Ine ast 5 eights of card number show *
	Volume control	
	Off	
	Small	
	Medium	
	Large	

5-3-9 Access control parameters (HAC-100/101/HAC-710/HAC-971)

To modify the device's parameters for access control settings Operating Steps:

- 1. Select the device that going to modify.
- 2. Press "Read" to get the existing setting values, press "get door I/O status" to pop up the window to show the current door I/O status.
- 3. Change the parameter settings.
- 4. Press "Set" to effect the changes.

RAC-850PMFA	HAC-710PE			
HAC-710PE RAC-960PMF	🔸 Function Set 📓 System Parameter 📓 A	access control parameters 🛛 🐉 Time A	tendance Parameters	
RAC-852	Unlock Door Relay Mode R	elay Mode Setting zelay Mode 4ode 0 (Door/Door/Alarm-Sirën 💌	Door control devices First Card to Conditional Unlock Save Invalid Card Records Diable Holdar Conditional Unlock	Card Swipe Modes Card Swipe Only Card Swipe Only Card/Code
	Unlock Door Relay Action Time(Sec) B 4.0 -	ell Action Time(Sec)	Activate Alarm Under Duress (Code) Force To Close Door But Accept Duress Code	 Card Swipe and Password
		ssigned INOUT	Anti-passback Function	Slave Reader
	Alarm Mode D Latch V Alarm Action Time(Sec)	Pevice	Push Button with voice Conditional Unlock Door None Keypad Lockstown Function Time Schehules None None Slave Reader Passwood Check Time Schehules None Slave Reader Uncheck Time Schehules None None Maser Cade 30193000	 Slave Reader (T2) Slave Reader (Wingand26, 8 digite) Slave Reader (Wingand26, 10 digite) Slave Reader (Wingand34, 10 digite)
	Buzzer •		Disam Cole 0000 Duress Cole 1190 Resurge Card Check Time(Sec) 0	

4 Nore ⊕ Modify ≪ Dates ⊯ Save () Coder PMF 01 PMF 01 PMF 01 PMF 01 PMF 01 PMF 01 PMF 01 PMF 01	100,01 Prantica, Set System Parameter Access control presenters Doc control devices Praced Set Set
	Original 0000 Dox Seave Detect Mode Duras Cole Brazer Ili00 Re-wripe Card Clarket Transford)

Function Parameters are as below

Door I/O parameter :

[Unlock Door Relay setting]

- Unlock Door Relay mode :
 - Pulse Time (Sec.) : After Door Relay acts, it will recover in a preset time (sec-
 - onds). The default is 4 seconds, it means the unlocked door will relock after 4 seconds.
 - Toggle : After Door Relay acts [,] it needs to trigger it again to recover.
- Unlock Door Relay Action time : The duration that door relay acts; the default is 4 seconds.

[Alarm Setting]

- Alarm mode :
 - Pulse time (Sec.) : After Alarm Relay acts , it will recover in a preset time (seconds).
 - Toggle : After Alarm Relay acts , it needs to trigger it again to recover.
 - Latch : After Alarm Relay acts [,] it needs to enter disarm code to recover.
- Alarm Action Time (Sec.) : Alarm Relay action time; Default is 1 second.

[Exit Button Status] Change the exit button contacts status, it includes Short-Circuit Action (Normally open, default), Open-Circuit Action (Normally Closed), and Closed. (Not support HAC-971 Series) [Activate Case Sensor] Enable or Disable case sensor function. The default is to "disable" the case sensor. In case of selecting "Enable", the device will make alerting beep sounds while being sabotaged. It has to enter disarm code to disarm the device.

[Door Sensor Status] Change the door sensor contact status, it includes Short-Circuit Action, Open-Circuit Action and closed (default).

[Door Sensor Detection Time (sec)] After the preset the time (sec) to start detecting whether the door is ajar. The preset time is how long after unlock-time ends to start detecting. The default value is 0 second. The function of door ajar will be activated only after enabling this function.

[Door sensor Detect (Alarm) mode] Select to make the alerting sound by readers' buzzer (Beep! Beep! Beep!) or by external alarm (relay). The default setting is by Reader Buzzer but needs to work with the settings of Door Sensor detection time (sec).

- e.g.: Preset the unlock door time is 4 seconds, Alarm action time is 5 seconds, Door Sensor detection time (sec) is 10 seconds and the [,] Door sensor detect (Alarm) mode is by Alarm (relay).
- Description : After unlocking the door, normally, it will automatically relock 4 seconds later; if the door is unable to relock and still held open, it will start counting time to 10 seconds and then trigger the alarm for 5 seconds by the alarm (relay) mode.

[Relay Model Setting]

- Relay Mode : Set Relay mode; the default mode is 0.
 - Mode 0((Door/Door/Alarm or Siren) : The built-in relay in the device is for lock (door-control); the first relay of optional ACU-30 is for lock (door control) and the second relay is for Alarm or Siren.
 - Mode 1(Doorbell/ Door/Alarm or siren) : The built-in relay is for doorbell, the first relay of optional ACU-30 is for lock and the second relay is for Alarm or Siren. Note: To change the siren action to alarm action, please clear the siren timetable and then re-download it to change the relay into Alarm.
- Bell Action time (sec) : How long the doorbell rings after visitor rings the bell. (default is 4 seconds)

[Assigned IN/OUT] : Assign primary reader/slave reader to display "IN" or "OUT" when they receive event. (Only for HAC-710 Series/HAC-A12 /HAC-971)

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Door-Control Devices :

- First Card to Conditional Unlock; The door will still stay closed if un-swiping the first card when the conditional unlock time schedules are reached.
- Save Invalid Card Records : Tick it to store invalid transactions.
- Disable Holiday Conditional Unlock : Tick it to disable conditional unlock time schedules on holidays.
- Activate Alarm Under Duress(Code) : Tick it to activate alarm action under duress.
- Force To Close Door But Accept Duress Code : Tick it to force door closed but need to enter duress code.
- Anti-pass back Function : Tick it to enable Anti-Pass back function.
- Push Button with voice : When pressing the push button to open the door, controller will make a sound.
- Invalid card triggers alarm: An alarm is triggered when an invalid card is swiped. (Only support HAC-971)
- Activate 1:1 Authentication : Need to input card number or swipe card before scan biometric characteristics to open door. The default is 1:N model, only scan biometric characteristics to unlock door. (Only for HAC-710F Fingerprint Series)
- Conditional Unlock Time Schedules : Set None or 0~127 time schedules; Set certain time schedules as conditional unlock time schedules for free access.
- Keypad Lockdown Function Time Schedules : Set None or 0~127 time schedules; Set certain time schedules to disable keypad function during these preset time schedules.
- Primary Reader Password Check Time Schedules : Set None or 0~127 time schedules that press password is a must during these preset time schedules.
- Slave Reader Uncheck Time Schedules : Set None or 0~127 time schedules that, during these preset time schedules, all card numbers downloaded to the controller are deemed valid so no need to check password on reader.
- Slave Reader Password Check Time Schedules : Set None or 0~127time schedules that need to check password (for Entry or Exit) on salve reader during these time schedules.
- Master card : Enter setting mode by the master card number(default 30191000);
 Please refer to hardware user manual to operate under the setting mode.
- Disarm code : Disarm the system which are triggered under duress or external sabotage; Default disarm code is 0000.
- Duress Code : Press duress code to unlock door and activate alarm at the same

time; default duress code is 1190.

 Re-swipe Card Check Time (sec) : Within the preset time, re-swipe the same card will be deemed ineffective, won't be recorded and will make an error soun. The default setting is 0, the max. amount of time is 255 seconds.

[Card Swipe Modes]

- Card Swipe Only : Only by card swipe to unlock
- Card / Code : By card swipe or keypad press to unlock
- Card Swipe and Password : Activate the access mode by card swipe and password.
 If the password is not entering in cardholder information, the door will open upon swipe valid cards.

[Slave Reader]

- Slave Reader (T2) : The reader supports T2 format and the system sends back 10-digits card number 10-digits.
- Slave reader (Wiegand26, 8 digits) : The reader supports Wiegand 26 format and the system sends back 8-digits card number.
- Slave Reader (Wiegand26, 10 digits) : The reader supports Wiegand 26 format, the system get 8-digits card number and then automatically pad 2 leading zeros to send back 10-digits card number.
- Slave Reader (Wiegand34, 10 digits) : The reader supports Wiegand34 format and the system sends back 10-digits card number.

5-3-10 Time Attendance Parameters (HAC-100/101/HAC-710/HAC-A12/HAC-971)

To Change device's time attendance function Operating Steps :

- 1. Select the device to change parameters
- 2. Press "Read" to get the existing setting values
- 3. Change the parameter settings : The below parameters can be changed

[Duty timetable] (Only for HAC-100/101)

- 1. Select the numeric button (1-4), each button (buttons 1-4) has 8 duty shifts for setting. Totally supports 32 duty shifts.
- 2. Tick the desired duty shifts to activate.
- 3. Enter start time, e.g.:0800.
- 4. Enter the names of the duty shift.

[Siren timetable]

- 1. Select the numeric button (1-4) [,] each button (buttons 1-4) has 8 duty shifts for setting, totally supports 32 sirens.
- 2. Tick the desired Siren time to activate.
- 3. Enter start time, e.g.:0800.
- 4. Enter the duration (sec) the siren going off.
- 5. Select (tick) the days of week to activate the siren.

[Time Attendance Parameters]

- Card Records : Selectable whether to overwrite the card swipe records or not when the memory is full.
- Restore Duty Switch : While manually switching the duty shift, whether the device automatically return to the current duty shift. (Only for HAC-100/101 Series)
 - Enable : Automatically return to the current duty shift.
 - Disable : It will stay at the manually switched duty shift (Not automatically return).
- •Daylight Saving Time : (Not support for HAC-100/101 Series)
 - Daylight Saving : Open or close this function.
 - Adjust Mode : Time advance or delay.
 - Date/Time Start : Start date and time
 - Date/Time End : End date and time
 - Adjust Minute : How many minutes should advance or delay.
- 4. Press "Set" to effect the changes.

File Basic Access Control Parking Time Attendance	otomatic 🤹 Retnieve Finger Pattern 🛛 💕 Remote Open D	External Program Help loor 🐵 Event Monitor 🛛 🗶 Close	
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5-4 Access Control Time Schedule Setting (HAMS-19)

5-4-1 Set Time Zone and Time Schedule

Set time zone and time schedule. Definable 128 sets of time zone and schedule (RAC-940PE/PM/PMD only support 16 sets from 0~15). User can design different group for flexible access control. Click [Modify] to start the setting.

Set Time Zone:

- 1. Click [Modify] of time zone setting.
- 2. Input time (format : HHMM). Ex. : Time start from 0000 and 2359 for time end.
- If the period is not continuous, please click "advanced" to perform the proper settings;
 One day can be divided into 8 sections at most.

Models that support 8 sets of schedules: RAC-960Px, RAC-970Px, RAC-971Px, RAC-852Px.

Models that do not support 8 sets of schedules: RAC-940Px, RAC-810Px, RAC-850Px, RAC-852PxFV.

4. Click [Save] to save the setting. To delete the record, please click [Cancel].

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Set Time Schedule:

- 1. Click [Modify] of time schedule setting.
- 2. Input time schedule name first. To set the time zone for each day, enter the time zone number (row number) with the desired time setting.
- 3. 【Universal-Type Reader Holiday Setting】: Holiday settings for universal-type device. Please enter the parameters here for the rules of holiday time schedule • (For HAC-100/101 only)
- 4. Click [Save] to save the settings. To delete the record, please click [Cancel].

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5-4-2 Holiday Setting

The holiday means National holiday or specific holiday.

Holiday means National holiday or specific date.

- 1.Click [New].
- 2.Input holiday date. Format is YYYYMMDD. Then set time zone by specifying the time zone number (row number) with the desired time setting.
- 3.Click [Save] to save the settings.

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Note :

In the time schedule settings, if the holiday settings of universal-type device is entered, it will form the basis of the universal-type device to replace the original holiday settings; The original holiday settings will become void to the universal-type device.

e.g : In the time schedule settings, if you set No. to be "0", time schedile's name to be "1" ,set the holiday time schedule of universal-type device to be "2"; and if the holiday is 20180101 and time schedule is "0", then the universal-type device will deem 20180101 to be a holiday and deem the time schedule to be 2, instead of the original "0"

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4. If the holidays are fixed every year, please click the button "Fixed holidays" to add. Enter the holiday date. The date format is Month first then Date. Example : 0101 (Month Date),

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then enter time schedule number.

5-5 Auth Setting (HAMS-19)

5-5-1 Group Authorization Setting

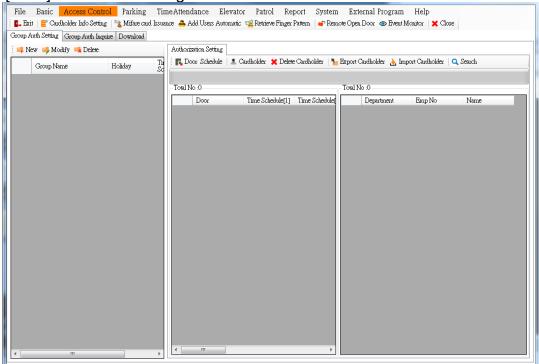
Create group and assign user authorization.

Note : Biometric Characteristics device may only assign a time schedule.

Operation Steps:

- 1. Click [New].
- 2. Input group name.

3. Click [Save] to save the setting.



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4. Go to [Door Schedule].Select a Time schedule from left side first. Then select the doors which you want to authorize.

Hint : Speedy Selection : Press CTRL key and select doors by mouse or press SHIFT key and select doors successively by mouse.

5. Click [OK].

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6. Go to [Cardholder]. Tick the department then you will read cardholder list which belong the department. And then you can start to tick the cardholders.

- 7. Click [Save] to save the setting. If want to delete the selection, please remove the tick.
- 8. Able to use "Search" function according to the types of search criteria, like Emp. No,

Name or Department.

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After setting completed, system also allows users to click [Export Cardholder] to produce a txt file base on the setting. The file only includes cardholder name and authority by department. This file may import to system and use for other group authorization.

5-5-2 Group Authorization Inquire

Enquire user's authorization. Specify the range according to Group, door and User name. Report provides print function and can be converted to TXT or XLS format for other application.

Operation Steps:

- 1. Check dynamic drop-down menu, you will read group, door, time schedule and name.
- 2. Click [Search].

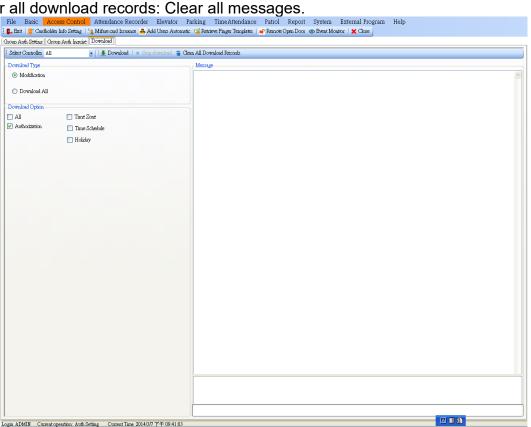
	p:	• Door		 Name: 	• Er	np No:	Department		🔹 🔍 Search	
۲	Group	roup Auth Inquire Door	Unrestricted Holiday	Unrestricted Time	Name	Emp No	Department	Time Schedule[1]	Time Schedule[2]	Time Schedule[3
	123	RAC960PMF	0	0	DAVE1	1	RD	1		
	123	RAC960PMF	0	0	DAVE10	10	RD	1		
	123	RAC960PMF	0	0	DAVE11	11	RD	1		
	123	RAC960PMF	0	0	DAVE12	12	RD	1		
	123	RAC960PMF	0	0	DAVE13	13	RD	1		
	123	RAC960PMF	0	0	DAVE14	14	RD	1		
	123	RAC960PMF	0	0	DAVE15	15	RD	1		
	123	RAC960PMF	0	0	DAVE2	2	RD	1		
	123	RAC960PMF	0	0	DAVE3	3	RD	1		
	123	RAC960PMF	0	0	DAVE4	4	RD	1		
	123	RAC960PMF	0	0	DAVE5	5	RD	1		
	123	RAC960PMF	0	0	DAVE6	6	RD	1		
	123	RAC960PMF	0	0	DAVE7	7	RD	1		
	123	RAC960PMF	0	0	DAVE8	8	RD	1		
	123	RAC960PMF	0	0	DAVE9	9	RD	1		

5-5-3 Download

Download users' authorizations to controller.

Operation Steps:

- 1. Select Controller: Select "All" or select single controller to downloading.
- 2. Download Type:
 - Download All: Download all users' information and authorizations.
 - Modification: Download modified users' information and authorizations.
- 3. Download Option: User can select download all options or select some settings to download,
- 4. Click [Download] to start the download.
- 5. Clear all download records: Clear all messages.



5-6 Access Control Hardware Setting (HAMS-24)

5-6-1 Hardware Detail List (RAC-2400/2400N)

Operation Steps:

- 1. Click [New], and then select communication type.
 - Communication Type: Select COM PORT or TCP/IP. When using COM PORT, please make sure the COM PORT number and baud rate is 19200. When using TCP/IP, please input IP address and port.
- 2. Input device name and device ID (Default ID is 1).
- 3. Select device model. RAC-2400(4) signifies four doors control side. Please base on 4 or 8 or 16 doors to select.
- 4. Save the setting. The [Verify Device] is reserved.
 - Click Order may sort the devices.

📲 Order 🛛 📩 Time Synchronization to All

🔛 Order			
🗄 😋 Exit	🛉 Up	🖊 Down	💾 Save

- Click Time Synchronization to All may correct all devices' time once.
- 5. Click [Time Sync] to read device time.
 - Time Sync: Synchronize time by PC
 - Set time: Input date and time by user.
- 6. Click [Detect Reader] and [Polling ID], then hardware setting completed.
 - Detect Reader: Detect the reader which under RAC-2400. Once detecting success, system will show successful reader ID.
 - Polling ID: After detecting the readers, RAC-2400 will save reader ID in the memory and polling with readers continued. To cancel a reader from polling list, please find the reader from Door 0~15 and select null of Reader Parameter Setup. Then press button "Polling ID" again.
 - Version: After click this button, system will display current ROM version of RAC-2400.

- 7. Anti-pass back function: However enable or disable Anti-pass back function, please remember to click save and set to download the modification to RAC-2400.
 - [Enable Anti / [Disable Anti]: After enable Anti-pass back function, operator may go to Reader Action to select unrestricted access, restricted Entry or Restricted Exit. Default is unrestricted.
 - [Reset Anti] : It is mainly to restore the access regulation to its original status.

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	Baudrate						
	19200 👻						
Device Name							
Device ID							
1							
Device Model							
RAC-2400(16)	~						
Save Exit							

ew 🥵 Modify 式 Delete 🔢 🔛 Save 📓 Re	ad 🔟 Set 📲 Set All Readers	
-2400N	Parameter Door(0-3) Door(4-7) Mifare Card	
	Overwrite Swipe Card Records	Invalid Card Detected
	No	No
	Access Without Valid Card	Holiday/Weekday Auth Priority
	No	Holiday
	Card+Password, Input Card No by Keypad	Anti Re swiped Card Delay
	No	0
	Disam Code	RAC-2400N(172.16.42.70:3195@1)
		2014/03/14 16:02:07
	No of re-swipe card	
	0	
	Deactivation Mode	Image: Second
	Valid Card 💌	Let Venify Device Vension
		Enable Anti Disable Anti
		Reset Anti

5-6-2 Modify Connecting Information (RAC-2400/2400N)

Operation Steps:

- 1. Select the device on the left side.
- 2. Click [Modify]
- 3. Modify the setting. Like comm. type, device name and device ID.
- 4. Click [Save] to saving the modify.

File Basic Access Control Attendance F	tecorder Elevator Parking TimeAtte	endance Patr	ol Report System External Prog	am Help			
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Move 🔨 🔽 👗 Time Synchronization to All							
Device 💷 New 🥥 Modify 💷 Deles. 🖬 Save 🖁 Read. 📓 Set -4 Set All Readers							
	Parameter Door(0-3) Door(4-7) Door(2-11) Door(12-15) Mifare Card						
	Overwrite Swipe Card Records		Invalid Card Detected				
	No	~	No	×			
	Access Without Valid Card		Holiday/Weekday Auth Priority				
	No	*	Holiday	×			
	Card+Password, Input Card No by Keypad	_	Anti Re-swiped Card Delay				
	No	Add Device					
	Disam Code	Comm. Type	Parameter IP				
	0000	0 IP	172.16.35.24				
	No of re-swipe card		Port 3195	Sync			
	0		0100	ng ID			
	Deactivation Mode						
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		1240014(10) <u> </u>				
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5-6-3 Modify Parameter (RAC-2400/2400N)

Operation Steps:

- 1. Select the device on the left side.
- 2. Click [Read]. Get back current setting values of device.
- 3. Modify the parameter values.
- 4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents:

- Overwrite Swipe Card Records: When stored records full, user may select overwrite or do not overwrite or system will activate a warning alarm. Default is YES which signifies when stored records full, system may overwrite store records.
- Access without Valid Card: Default is YES which signifies the door will open with any card swiped. This function is for engineer testing when authorizations are not assigned,
- Card+ Password, Input Card No by Keypad: When activate Card+ Password function and select YES, which signifies users may input card number and password by keypad. Default is NO which request users must swipe card first and input password by keypad.

Note: If password does not fill in the cardholder information, system will open door after card swiped. This function should work with "Reader Action Setting \rightarrow Password Time Schedule".

- Disarm Code: To deactivate the alarm. Default code is 0000.
- No of re-swipe card: Allowed error times of re-swiping the same card. Default is 0, when re-swipe card, alarm relay activated. If alarm activated due to authorization mismatch or card+ password failed, please deactivate the alarm by disarm mode.
- Deactivation Mode: Select to deactivate the alarm by valid card or disarm code.
- Invalid Card Detected: Default is NO signifies do not activate alarm when invalid card swiped. If select YES, alarm will activate when invalid card swiped. This function should works with "Reader Parameter Setting → Alarm action Time".
- Holiday/Weekday Auth. Priority: Able select weekday authorization priority or holiday authorization priority. Default is holiday authorization priority.

 Anti Re-swiped Card Delay: Set the duration of re-swipe card when anti-password function is enabled. The reduplicate card swiped will not affect anti function but records will be stored.

File Basic Access Control Parking	TimeAttendance Elevator Patrol Report System	External Program Help	
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	Order 📓 Read 💼 Set 🚚 Set All Readers 📩 Time Synchronizati	on to All	
Door-46	Parameter Door(0-3) Door(4-7) Mifare Card Overwrite Swipe Card Records	Invalid Card Detected	
	No	No	-
	Access Without Valid Card	Holiday/Weekday Auth Priority	
	No	Holiday	•
	Card+Password, Input Card No by Keypad	Anti Re-swiped Card Delay	
	No	0	-
	Disarm Code	Door-24(172.16.42.71:3195@1)	
	0000	201604/11 14:33:56	
	No of re-swipe card		
	0	Set Time T:	ime Sync
	Deactivation Mode	Detect Reader P	olling ID
	Valid Card 🗸	Verify Device	Version
		Enable Anti Di	sable Anti
		Reset Anti	
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5-6-4 Modify DOOR (0~15) (RAC-2400/2400N)

Operation Steps:

- 1. Select the device on the left side.
- 2. System will produce DOOR(0~3) \ DOOR(4~7) \ DOOR(8~11) \ DOOR(12~15) page base on device model. Select the page which you want to modify.
- 3. One page has four reader parameters. Select a reader and click [Read] which under the parameter. Kindly read back current value first. System will display key or Non-key base on reader model when you click [Detect reader] in parameter page.
- 4. Modify reader parameter value
 - Main Reader Parameter Setting : Click [Edit], reader parameter setting page will pop up.

[Reader Parameter Setting]

Allow the users set all reader parameters once. There are two type readers, reader with keypad or without keypad. Kindly check follows default parameter values and re-definition.

Follow settings are for your reference. Uses can create more reader groups for different readers.

Operation Steps:

- 1. Please select K: K signifies the reader with keypad
- 2. Click [Modify].
- 3. Modify the value.
- Click [Save] to save the setting. Then back to Door (0~15) reader parameter worksheet, and assign the parameter to reader. Kindly refer to Chapter 5.1.4 Modify Door (0~15).

[Reader Type]

- Reader without Keypad: Select by actual reader model.
- Reader with Keypad: Select by actual reader model.

[Parameter Setup]

- Group Name: User defined.
- Duress Code (Max. 10 digits): Alarm will be activated and door will be opened upon pressing duress code/card. Default code is 1190.

- Disarm Code (Max 10 digits): To deactivate the alarm. Default disarm code is 0000.
- Re-swipe Card Check Time (0~255 sec): This is the time for checking the card repeatedly. As the time is set, when swiping the card more than once within a preset time, system will deny the access and will not record the event. (Auto Learning Reader used only)
- Action Time: Door relay will return to original position within the time user set. Default is 4 seconds.
- Alarm Action Time: The duration of alarm after activated. Default is 4 seconds. This function works hand in hand with "Chapter 5.1.3 Modify Parameter → Invalid Card Detected.
- Other reasons to activated alarm, alarm will be working until input disarm code/card.
- Door Sensor Detect Time (0~655 sec): Sets the duration of door's status. Default value is 30 seconds. If the door open time has expired 30 seconds after door relay return to original position but door does not close, alarm will be activated or reader will make beep sound continuity.
- Door Sensor Detect Mode: Select alarm relay on or reader beep when door open time has expired. This function works hand in had with "Door sensor Detect Time" function.

e.g.: Setting: Door open time is 4 seconds . Alarm action time is 5 seconds. Door detection time is 10 seconds. Door detection and warning mode. Set to be Alarm Relay.

Description : After a door opens, it will auto re-lock within 4 seconds. If the door is not closed properly that causes failing to auto re-lock, it will start counting 10 seconds. After 10 seconds, if the door still left open, it will trigger alarm for 5 seconds. The trigger mode is Alarm Relay.

- Activate Reader: Enable reader card swiped function.
- Activate Case Sensor: When case is tampered, reader will make beep sound.
- Activate Auto Learning Mode: When RAC-2400 miscommunication with reader, reader will activate auto learning model. Reader will allow access base on last 512 cards swiped.
- Miscommunication Detection (1~255 sec): Detect communication status between RAC-2400 and readers. If miscommunication, reader will activate auto learning model. Default is 10 seconds.

[Keypad Parameter Setup]

- Language: Reader will display English, Traditional and Simplified Chinese.
- Display Card No Method: LCD will display card digits or **** after card swiped.
- HSK-240 : Received Signal Strength Indicator(-1~-128), dB value = Received Signal Strength Indicator (The negative value is larger, the received signal strength is weaker; the negative value is smaller, the received signal strength is stronger)
- Function Key: Tick the box to enable function key function.
- Keypad: Tick the box to enable keypad function.
- Keypad Tone: Tick the box to enable keypad tone.
- Keypad Backlight: Tick the box to enable keypad backlight.

-	LCD Backlig	ht: Tick the box to er	nable LCD backligh	nt.
	dholder Info Setting 🛛 🐾 Mifare card Issuance	Attendance Elevator Patrol Report Sys - 🚓 Add Users Automatic 😪 Retrieve Finger Pattern 🖌 - 📓 Read 📾 Set 📲 Set All Readers 🛯 🏡 Time Synchron	Remote Open Door 💿 Event Monitor 🗙 Close	
Door-46	Reader Parameter Setting			
	Reader Type Reader without Keypad	 Reader with Keypad 		
	Parameter Setup Group Name	Action Time	☑ Activate Reader	
	Duress Code (Max. 10 digits) 1190	Alarm Action Time	 Activate Case Sensor Activate Auto Learning Mode 	
	Disarm Code (Max 10 digits) 0000 Re-Swipe Card Check Time (0-255 sec)	Door Sensor Detect Time (0-655 sec)	Discommunication Detection (1-255 sec)	
	Keypad Parameter Setup	Reader Beep	10 (*	
	Language Chinese (Tradition)	✓ Function Key✓ Keypad✓ Keypad Tone	Keypad BacklightLCD Backlight	
	Display Asterisk HSK-240 Received Signal Strength Indicator (-1~-12	8)		_
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Main Reader Action Setting : Click [Edit], reader action setting page will pop up.
 [Reader Action Setting] Base Setting is default.

Operation Steps:

- 1. Click [New]
- 2. Input Action group name.
- 3. Modify the action value.

4. Click [OK] to save the setting. Then back to Door (0~15) reader parameter worksheet, and assign the action to reader. Kindly refer to Door (0~15).

[Reader Action Setting]

- Action Group Name: User defined.
- Unrestricted Time Schedule: During the selected time schedule, all valid cards have access authorization.
- Password Time Schedule: During the selected time schedule, users need swipe card and press password for access. If users do not have password, they may access by card swiped card only.
- Keypad Locked Time Schedule: During the selected time schedule, keypad function is disabled.
- Conditional Unlock Door: During the selected time schedule, door relay is ON, not need swipe card for access.
- Holiday Conditional Lock Door: The conditional unlock door function will lose efficacy in holiday. Default is Open which signifies when weekday is holiday, if user had set conditional unlock door time, the door will not open as usually.
- Master / Slave Card Time Schedule: That is master/slave card or dual card need to be swiped during selected time.
 - Master / Slave Card: In the same group, any master card matches any slave card to unlock the door.
 - Dual Card: Swipe any two cards of the same group can unlock the door.
 Note: please set the card function from "Basic" setting.
- Anti-pass back: Allows the user assign in or out for Anti pass back. Default is unrestricted access.

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Action Group Name Keypad Locked Time Scheidule Maxter /Slave Card Time Scheidule Dizable Dizable Dizable Unrestricted Time Scheidule Conditional Unlock Door Anti Pastback Dizable Dizable Unrestricted Access Password Time Scheidule Holisky Conditional Lock Door Password Time Scheidule Holisky Conditional Lock Door	Action Group Name Unrestricted Time Schedule	Disable	edule		e		
Action Group Name Keypad Locked Time Scheidule Maxter /Slave Card Time Scheidule Dizable Dizable Dizable Unrestricted Time Scheidule Conditional Unlock Door Anti Pastback Dizable Dizable Unrestricted Access Password Time Scheidule Holisky Conditional Lock Door Password Time Scheidule Holisky Conditional Lock Door	Action Group Name Unrestricted Time Schedule	Disable	edule		e		
Disable Disable Unrestricted Time Scheinle Conditional Unlock Door Disable Disable Disable Disable Password Time Scheinle Holisky Conditional Lock Door Disable Open	Unrestricted Time Schedule	Disable	edule •		e		
Disable Disable Umesticited Time Schebule Conditional Unlock Door Disable Disable Disable Disable Disable Umesticited Access Password Time Schebule Holisky Conditional Lock Door Disable Open	Unrestricted Time Schedule	Disable	•				
Unrestricted Time Schedule Conditional Unlock Door Anti Passkack Disable Password Time Schedule Holskay Conditional Lock Door Disable Open			-				
Disable Disable Unrestricted Access Pessword Time Schehule Holksky Conditional Lock Door Disable Open				Disable			
Disable Disable Unrestricted Access Pessword Time Schehule Holksky Conditional Lock Door Disable Open		Conditional Unlock Door		Anti Passhack			
Pessword Time Schehule Holksy Conditional Lock Door Disable			_				
Disable Cpen	Disable	Disable	•	Unrestricted Access 👻			
Disable Cpen	Password Time Schedule	Holiday Conditional Lock	Door				
OK	Disable	Upen	-				
	OK						
		OK	Open OK	Open Open	Deade	Disable	Disable

- Slave Reader Parameter Setting : Click [Edit], reader parameter setting page will pop up.
- Slave Reader Action Setting : Click [Edit], reader action setting page will pop up.
- Device: Define door name.
- Bell: When set ON, the built in relay of PXR-92XXKL is for bell. When set OFF, built in relay is for door lock. (System will set this parameter to reader automatically when modified it)
- 5. Click [Set] which under the parameter. Then change will be in effect.

Click [Set All Readers], parameters will be downloaded from software to hardware.

NOTE:

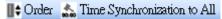
- 1. Master readers and slave readers' ID are fixed. Please don't change it arbitrarily
- 2. If the reader is a biometric reader, in addition to setup the parameters in the below window, it also needs to setup the related parameters in the window of "Biometric Reader Setting".

File Basic Access Control Parking Elevator Tim	neAttendance Patrol Report System External Progra	m Heln
Exit = Cardholder Info Setting 1/2 Mifare card Issuance 🐣 Add U	. , , , , , , , , , , , , , , , , , , ,	
Device 📫 New 🤿 Modify 🔩 Delete 🍟 Save 🕐 取消 📳 Order	😨 Read 🔳 Set 📲 Set All Readers 🛛 📩 Time Synchronization to All	
2400N	Parameter Door(0-3) Door(4-7) Door(8-11) Door(12-15) Mifare Ca	d
	Master ID:00,SlaveID:16 Main Reader Parameter Setting	Master: ID: 01, SlaveID: 17 Main Reader Parameter Setting
	Edit	Key Edit
	Main Reader Action Setting	Main Reader Action Setting
	Edit	Edit
	Slave Reader Parameter Setting	Slave Reader Parameter Setting
	Edit	✓ Edit
	Slave Reader Action Setting	Slave Reader Action Setting
	Edit	Edit
	Device	Device
		PXR82MSK
	Bell OFF ON Set Read	Bell OFF O ON Set Read
	Master:ID:02,SlaveID:18 Main Reader Parameter Setting	Master:ID:03,SlaveID:19 Main Reader Parameter Setting
	✓ Edit	Edit
	Main Reader Action Setting	Main Reader Action Setting
	Edit	Edit
	Slave Reader Parameter Setting	Slave Reader Parameter Setting
	Slave Reader Action Setting	Slave Reader Action Setting
	Slave Reader Action Setting	Slave Reader Action Setting
	Device	Device
	Bell OFF ON Set Read	Bell OFF ON Set Read
Login ADMIN Current opeartion: Access Control Hardware	e Setting Current Time 2014/12/25 下午 03:45:22	in the second

5-6-5 Hardware Detail List (RAC-4600/4600N)

Operation Steps:

- 1. Click [New], and then select communication type.
 - Communication Type: Select COM PORT or TCP/IP. When using COM PORT, please make sure the COM PORT number and baud rate is 19200. When using TCP/IP, please input IP address and port.
- 2. Input device name and device ID (Default ID is 1).
- 3. Select device model. (RAC-4600)
- 4. After save the setting.
 - Click Order may sort the devices.





- Click Time Synchronization to All may correct all devices' time once.
- Time Sync: Synchronize time by PC
- Set time: Input date and time by user.
- Version: After click this button, system will display current ROM version of RAC-4600.

File Basic Access Control Parking Elevator TimeAttenda		
Device = New = Modify Read Set = Save • Order Read Set =		
RAC4600N	Parameter Wiggand Door(1-4)	
	Retrieve Valid Code	Reader LED Control (For T2 / Wiegand model)
	Index	IED indicates while swiping valid card
	Add Device	 LED indicates while swiping invalid card
	Comm. Type Parameter	Conditional unlock (time schedule)
	Port Port	Unrestricted
	O IP COM1 V	First card unlocking
	Baudrate	
		RAC-4600N(172.16.42.25:4660@1)
	19200	
		2015/06/23 1617:13
		2015/06/23 16:17:13
	Device Name	Set Time Time Sync
	Device ID	Version
	1	
	Device Model	
	RAC-2400(16)	
	Save Exit	
Login ADMIN Current opeartion: Access Control Hardware Setting	Current Time 2015/6/23 下午 04:18:36	ii ii

5-6-6 Modify Connecting Information (RAC-4600/4600N)

Operation Steps:

- 1. Select the device on the left side.
- 2. Click [Modify]
- 3. Modify the setting. Like comm. type, device name and device ID.
- 4. Click [Save] to saving the modify.

File Basic Access Control Parking Elevator TimeAtte	ndance Patrol Report System External Program Help
🗄 🕵 Exit 📑 Cardholder Info Setting 浅 Mifare card Issuance 🐣 Add Users Au	tomatic 🤹 Retrieve Finger Pattem 🛛 🔐 Remote Open Door 💿 Event Monitor 🛛 🗶 Close
🗄 Device 💷 New 🚚 Modify 🔜 Delete 🔛 Save 📑 Order 🛛 🖁 Read 🏢 Set	📲 Set All Readers 🏡 Time Synchronization to All
Parameter Wiegand I	Door(1-4)
- Retrieve Valid Code	Reader LEDs indicate
Index	⊙ OK LED
	O ERROR LED
	Add Device schedule)
	Comm. Type Parameter
- Without valid cards	O Port IP
 Swipe any card to 	u ● P 172.1642.33
 Not to open door 	2.33:4660@1)
Store invalid card	Port
 Store 	4660
 Not to store 	
	Time Sync
Case Sensor Activate O Disable	Device Name
 Insade Enable 	RAC4600N
O Innaoie	Device ID
	Device Model
	RAC-4600N
	Save Exit
Login ADMIN Current opeartion: Access Control Hardware Settir	ng Current Time 2015/6/18 上午 10:13:47 。

5-6-7 Modify Parameter (RAC-4600/4600N)

Operation Steps:

- 1. Select the device on the left side.
- 2. Click [Read]. Get back current setting values of device.
- 3. Modify the parameter values.
- 4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents:

[Retrieve Valid Code]

- Index : The index digit of retrieve valid card no.
- Length : How many digits you want to retrieve of valid card no.
 Ex: Card NO. is 1234567890, valid code index is 2, length is 6. The retrieve valid card no. will be 234567. Please note, in cardholder information, the card no. should be 234567 too, otherwise the door will not open.

[Without valid cards]

- Swipe card to unlock: Tick the box to unlock door by swiping any card before download valid cards.
- Not to open door: Tick the box to deny access if an invalid card swiped before download valid cards.

[Store invalid card]

- Store: Tick the box to store invalid card records
- Not to store: Tick the box not to store invalid card records.

[Case Sensor Activate alarm]

- Disable: Tick the box, the case sensor won't activate alarm.
- Enable : Tick the box, the case sensor will activate alarm.

[Reader LED indicate(For T2/Wiegand model)]

- LED indicates while swiping valid card: Tick the box, OK LED turns on while swiping a valid card or OK LED is off while swiping an invalid card.
- LED indicates while swiping invalid card: Tick the check box, ERROR LED is off while swiping a valid card or ERROR LED turns on while swiping an invalid card.

[Conditional unlock(time schedule)]

• Unrestricted: Tick the box, when it comes to the preset time schedule, the door will auto unlock.

• First card unlocking: Tick the box, when it comes to the preset time schedule, it needs to swipe a valid card first to unlock door.

File Basic Access Control Parking Elevator Time Attendan		
🚦 📴 Exit 📑 Cardholder Info Setting 🍡 Mifare card Issuance 🐣 Add Users Automati	c 🤹 Retrieve Finger Pattern 💣 Remote Open Door 💿 Event Moni	itor 🗶 Close
🕴 Device 📫 New 🥩 Modify 👒 Delete 🔛 Save 📑 Order 📓 Read 🛅 Set 📑 S	et All Readers 🛛 🚠 Time Synchronization to All	
	Parameter Wiegand Door(1-4)	
	Retrieve Valid Code	Reader LED Control (For T2 / Wiegand model)
	Index	 LED indicates while swiping valid card
	1 🖨	 LED indicates while swiping invalid card
	Length	
	0 🗘	Conditional unlock (time schedule)
	Without valid cards	 Unrestricted
	 Swipe any card to unlock 	First card unlocking
	 Not to open door 	RAC-4600N(172.16.42.25:4660@1)
	Store invalid card	
	 Store 	2015/06/23 16:17:13
	 Not to store 	2015/06/23 16:17:13
		Set Time Time Sync
	Case Sensor Activate alarm	
	 Disable 	Version
	 Enable 	
Login ADMIN Current opeartion: Access Control Hardware Setting	Current Time 2015/6/23 下午 04:17:42	

5-6-8 Wiegand (RAC-4600/4600N)

This is for setting Wiegand decoding. The default setting is for Wiegand 26 and Wiegand 34

Enable : Tick the box to enable Wiegand decoding.

Specially Decode : Tick the box for special decoding rule that user can make it himself . If not tick the box, it will be based on our company's decode rule.

			utomatic 🙀 Retrieve Finger Pattern 🖌 Remote Open Door 💿 Event Monitor 🗙 Close et 📲 Set All Readers 🔬 Time Synchronization to All
RAC4600N		neter Wiegand	
1430400014			
		gand 26Bit 🛛 🔽	
			6 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 2 V V V V V V V V V V V V V V V V V ()
	37	38 39 40 41 42	2 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72
		Wiegand	Data
	•	26Bit	03,7F,FF,FF,80,00,00,00,00
		27Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		28Bit	00,FFF,FFF,FFF,FFF,FFF,FFF,FFF,FFF
		29Bit	00,FFF,FFF,FFF,FFF,FFF,FFF,FFF,FFF
		30Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		31Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		32Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		33Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		34Bit	01,7F,FF,FF,FF,80,00,00,000
		35Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		36Bit	01,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF
		37Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF
		38Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		39Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		40Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		41Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		42Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		43Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		44Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		45Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		46Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		47Bit	00,FF,FF,FF,FF,FF,FF,FF,FF,FF

Example:

If the card is Wiegand 36-bit format, please select 36Bit (Turns into blue background) and click "enable" then click "Set". Try to swipe a card and retrieve card number. If the card number can't be retrieved back, it means the card is not W36-bit format. If so, please check different bit options to test and know what Wiegand format it is

evice 📑 New 🥩 Modify 🔩 Delete 🖬 Save 📗			JSETS MUIOII	natic 😴 Retrieve Finger Pattern 🛛 🚽 Remote Open Door 💿 Event Monitor 🛛 🗶 Close
	Crder	😸 Read	🖬 Set 🖃	🗑 Set All Readers 🛛 🏡 Time Synchronization to All
	_		gind Doc	
	Wie	and 2004	/ Enak	ble Specially Decode Save
				oneSpecially Decode
				3 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72
				$1 \land \land$
		Wiega	n d .	Data
		26Bit		03,7F,FF,FF,80,00,00,00,00
		27Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		28Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF
		29Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		30Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF
		31Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		32Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF
		33Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		34Bit		01,7F,FF,FF,FF,80,00,00,00
		35Bit		यान् मन् मन् मन् मन् मन् मन् मन् मन् मन् म
	Þ	36Bit		01,FF,FF,FF,FF,FF,FF,FF,FF,FF
		37Bit		W,FF,FF,FF,FF,FF,FF,FF,FF,FF
		38Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		39Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		40Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF
		41Bit		00,FF,FF,FF,FF,FF,FF,FF,FF
		42Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		43Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		44Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		45Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF
		46Bit		00,FF,FF,FF,FF,FF,FF,FF,FF
		47Bit		00,FF,FF,FF,FF,FF,FF,FF,FF,FF

If the retrieved card number is not as expected, please contact our sales and provide the card for our engineer check to provide the further assistance

5-6-9 Modify DOOR (1~4) (RAC-4600/4600N)

Operation Steps:

- 1. Select the device on the left side.
- 2. Select the setting window for door (1~4)
- 3. Enter Device Name : User defines door name, like front door, side door. etc.
- 4. Add / Modify door parameter and door action setting.
 - Door Parameter Setting : Click "Edit" to have "Door Parameter Setting" window
 [Parameter Setup]
 - Group Name : User defined.
 - Duress Code (Max. 10 digits): Alarm will be activated and door will be opened upon pressing duress code/card. Default code is 1190.
 - Disarm Code (Max 10 digits): To deactivate the alarm. Default disarm code is 0000.
 - Blacklist Activate Alarm Relay : Tick the check box, the alarm will activate when swipe blacklist card.
 - Action Time : Door relay will return to original position within the time user set.
 Default is 4 seconds.
 - Alarm Action Time : The duration of alarm after activated. Default is 4 seconds.
 Alarm Modes :
 - Pulse time (Sec.) : Set the time how long the alarm will remain energized and then return to the normal state.
 - Toggle : Once the Alarm Relay being activated , it needs to press it again to return to the normal state.
 - Latch : Once the Alarm Relay being activated , it needs to enter the Disarm Code to return to the normal state.
 - Door Sensor Detect Time (0~655 sec): Sets the duration of door's status. Default value is 30 seconds. If the door open time has expired 30 seconds after door relay return to original position but door does not close, alarm will be activated or reader will make beep sound continuity.
 - Door Sensor Detect Mode : Select alarm relay on or reader beep when door open time has expired. This function works hand in had with "Door sensor Detect Time" function.

e.g.: Setting: Door open time is 4 seconds . Alarm action time is 5 seconds. Door detection time is 10 seconds. Door detection and warning mode. Set to be Alarm Relay.

Description : After a door opens, it will auto re-lock within 4 seconds. If the door is not closed properly that causes failing to auto re-lock, it will start counting 10 seconds.

After 10 seconds, if the door still left open, it will trigger alarm for 5 seconds. The trigger mode is Alarm Relay.

			Date Passante Contag	
🚱 Exit 📫 New 📑 Modify 📑 Del	ete 🔛 Save 🕐 Cancel			
R : Default				~ ~
– Parameter Setup				
Group Name	Action Time 4	Alarm Mode O Pulse		
Duress Code (Max. 10 digits) 1190	Alarm Action Time	 Toggle Latch 		
Disarm Code (Max 10 digits) 0000	Door Sensor Detect Time (0-655 sec)			
🕢 Blacklist Activate Alarm Relay	Door Sensor Detect Mode Alarm Relay On 🛛 👻			

• Door Action Setting : Click "Edit" to have "Door Action Setting" window

[Door Action]

- Action Group Name : Enter the action group name.
- Conditional Unlock Door : Auto unlock door within the preset time schedule.
- Multi Door Interlock : Tick the box to have the doors interlock.
- Enable Anti-Passback : Tick the box to have the Anti-Passback control. The default is no Anti-Passback. Users can choose Anti-Passback on entry or exit. If entry is set to be "swipe card to enter", the exit has to be "swipe card to exit".
- Checking Time Schedule : Tick the box, meaning it needs to check the time schedule while entry or exit.
- Checking Password : Tick the box, meaning it needs to press password while entry or exit. The default is no need password.

🔜 Door Action Setting		
🕒 Exit 🚅 New 🥩 Modify 🔜 Delete Default	🖬 Save 🕐 Cancel	
Door Action Action Group Name Default Conditional Unlock Door Disable Multi Door Interlock Enable Anti-Passback	Checking Time Schedule Entry Reader Exit Reader Checking Password Entry Reader Exit Reader Exit Reader	

5. Click "Save", it only save all door parameters and save door action settings. It must click "Set" to make all settings take effect.

NOTE:

- 1. Master readers and slave readers' ID are fixed. Please don't change it arbitrarily
- 2. If the reader is a biometric reader, in addition to setup the parameters in the below window, it also needs to setup the related parameters in the window of "Biometric Reader Setting".

	vator TimeAttendance Patrol Report System Ez	
	nce 👶 Add Users Automatic 🙀 Retrieve Finger Pattern 💣 Remote Op er 🎖 Read 💼 Set 📲 Set All Readers 🄝 Time Synchronization to A	
	arameter Wiegand Door(1-4)	Щ
	Master: ID:01,SlaveID:02	-Master:ID.03,SlaveID.04
	Device	Device
	4600N-1	
I	Door Parameter Setting	Door Parameter Setting
1	Default 🔽 Edit	Edit
Ĩ	Door Action Setting	Door Action Setting
	Default 💌 Edit	Edit
	Master ID 05, SlaveID 06 Device Door Parameter Setting Setting Door Action Setting Setting Setting	Master ID 07, SlaveID 08 Derice Door Parameter Setting Door Action Setting V Edit
Login ADMIN Current opeartion: Access Control	ol Hardware Setting Current Time 2015/6/18 上午 10:	43:31

5-6-10 Hardware Detail List (HAC-4200N)

Adding new hardware and the steps of communication setting :

- 1. Pressing NEW before choose way of protocol.
 - Type of communication : You can choose COM POR or TCP/IP.

If you enable COM PORT, you choose the COM PORT for PC. The baud rate is 19200.

If you enable TCP/IP and you fill in IP address and port.

- 2. Filling Name, ID(Default is 1)
- 3. Choosing module number by the devices.

File Basic Access Control Parking Time	Attendance Elevator Patrol Report System External Program	Help
🕴 🛃 Exit 🛛 🧧 Cardholder Info Setting 🛛 🔨 Mifare setting 🐣 A	Add Users Automatic 🤹 Retrieve Biometric Characteristics 🛛 🛶 Remote Open Door 💿 Eve	nt Monitor 🛛 🗙 Close
Device New Modify Delete Save 🕼 Order	📲 Set All Readers 🛛 🏡 Time Synchronization to All	
	Function Set Door(1-4) Wiegand Access control parameters Reader Setting	
	Door:1,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:01,SlaveID:02Door:2,Master:ID:02Door:2,Master:ID:02Door:2,Master:ID:02Door:2,Master:ID:02Door:2,Master:ID:02Door:2,Master:ID:02Door:2,Master:ID:02Door:2,Master:ID:02Door:2,Master:ID:02Door:2,Master:ID:02Door:2,Master:ID:02Door:2,Master:ID:02Door:2,Master:ID:02Door:2,Master:ID:02Door:2,Master:ID:02DOOR:02	aster. ID. 03, Slave ID. 04
	Door Name Door Nam	10 c
	Add Device	
	Mu Na Comm. Type Parameter	interlock Group
	© Port IP	
	■ ■ 172.16.35.42	TI Set
	Port	
	4660	
	Do Device Name	ID:07,SlaveID:08
	Do: 42-01	
	Device ID	
		interlock Group
	HAC-4200N -	II Set
	Save Exit	
Login ADMIN Current opeartion: Access Contro	l Hardware Setting Current Time 2021-01-21 16:10:21	
Login Advanted Current opeartion: Access Contro	o Hard ware setting Current time 2021-01-21 16:10:21	

- 4. When you finish setting and press SAVE.
- 5. If you press ORDER, it can move the order of host.

📲 Order | 📲 Set All Readers | 🏡 Time Synchronization to All

🖳 Order		-	
🕒 Exit	🚹 Up	🖊 Down	💾 Save

6. If you press TIME SYNCHRONIZATION to ALL, it synchronizes time adjustment for all hosts.

5-6-11Function Set (HAC-4200N)

Displaying info of host and time adjustment function.

The steps of operation

- 1. When you press READ, the system read all function of host.
- 2. Screen will display the functions, such as module number, Firmware version etc.

File Basic Access Control Parkin	-		Elevator Patrol Report Sy matic 🤹 Retrieve Biometric Characteristics		Program Help loor 👁 Event Monitor 🗙 Close
i Device 📑 New 🥩 Modify 🔫 Delete 🔛 Saw	e 📲 🛊 Orde	er 🚽 Set All R	teaders 🛛 🍶 Time Synchronization to All		
42-01	Function	Set Door(1-4)	Wiegand Access control parameters Read	der Setting	
	Re Re	ad 🔳 Other inf	ormation		
		Line	Function name	Content	2021/01/21 16:19:40
	•	2	Device Type	HAC-4200N	Set Time
		3	Firmware Version	1.01	
		4	Maximum no. of valid cards	100000	Read Time
		5	Maximum no. of swiped card records	100000	Read lime
		6	Number of Ethernet Ports	1	Time Sync
		7	Number of RS-485 Ports	1	Time Sync
		9	Automatic sorting by card number(0:No,1:Yes) 1	
		10	Total number of doors	4	
		11	Number of reader	8	
		12	Group Card Function	1	
		12	Multiple card	0	
		16 .	AntiPassback	1	
		16	Door Interlocking	1	
		18	No. of time zones	256	
		19	No. of holidays schedules	2	
		21	Max. Number of Digits (Valid Card)	14	
		22	Max. Number of Digits (Password)	8	
		23	Capacity for valid card to display message	18	
		24	The size of the communication buffers (32By	:) 32	
		27	Total Number of Relays	8	
		32	Firmware Date	2021/01/20	
	•		m	P.	
Login ADMIN Current opeartion: Acce	ess Conti	ol Hardware	Setting Current Time 2021-01	-21 16:27:10	

File Basic Access Control Parki	-			l Program Help
🛯 📭 Exit 📑 Cardholder Info Setting 🔨 Mifar			💕 Remote Open	Door 💿 Event Monitor 🛛 🗙 Close
Device 📫 New 🧊 Modify 式 Delete 🔛 Sa	we 📲 Order 📲 Set A	all Readers 🛛 📩 Time Synchronization to All		
🛃 42-01	Function Set Door(1-	4) Wiegand Access control parameters Read	er Setting	
	🐔 Read 🔳 Other	information		
	Unique			2021/01/21 16:27:52
	D	Function name	Content	2021/01/21 16:27:52
	▶ 2	Device Type	HAC-4200N	Set Time
	3	Firmware Version	1.01	
	4	Maximum no. of valid sards	100000	Read Time
	5	Maximum no. of swiped and records	100000	read fille
	6	Number of Ethemet Ports	1	Time Sync
	7	Number of RS-485 Ports	1	The sync
	9	Automatic sorting by card number () No 1-Yes)	1	×
	10	Total number of doors Hint		
	11	Number of reader		
	12	Group Card Function T	he number of vali	d cards: 0
	12		he number of trar	isactions (logs): 0
	16	AntiPassback		
	16	Door Interlocking		
	18	No. of time zones		OK
	19	No. of holidays schedules		
	21	Max. Number of Digits (Valid	117	
	22	Max. Number of Digits (Password)	8	
	23	Capacity for valid card to display message	18	
	24	The size of the communication buffers (32Byte)		
	27	Total Number of Relays	8	
	32	Firmware Date	2021/01/20	
	•		•	
ogin ADMIN Current opeartion: Acc	cess Control Hardwa	are Setting Current Time 2021-01	-21 16:28:05	

Other information :

Set Time: According to the time you fill in, so the devices are synchronization.

Read Time :

It reads device's current time. It will display success and year/month/day/hour/minute/second when it read success.

Time Sync : According to PC time to synchronize.

5-6-12 Door(1-4) (HAC-4200N)

It can modify the door names and relative settings.

Steps:

- 1. Choosing the controller which you would like to modify.
- 2. Choosing the setting pages of doors (1~4).

42-01	Order - Set All Readers Summer Synchronization to All Function Set Door(1-4) Wiegand Access control parameters Reader	r Setting
	Door:1,Master:ID:01,SlaveID:02	- Door:2,Master:ID:03,SlaveID:04
	Door Name	Door Name
	Multiple Door Interlock Group Not Interlock	Multiple Door Interlock Group Not Interlock
	Initialize ANTI Set	Initialize ANTI Set
	Door:3,Master:ID:05,SlaveID:06	Door4,MasterID:07,SlaveID:08
	Door Name	Door Name
	Multiple Door Interlock Group Not Interlock	Multiple Door Interlock Group Not Interlock
		INOT INTERIOCK
	Initialize ANTI Set	Initialize ANTI Set

- 3. You can fill in the door name. User can customized name.
- 4. Select the Multiple Door Interlock Group.

Notice: Multiple doors interlock is an application to the specific doors. (It is bundled by group number.)

There is only a door which can entry and exit at same time.

Example 1: When door 1, 3 and 4 are interlock, the column of group number is as

"Group 1". When door 3 and 4 should be closed and then door 1 can enter and exit.

	ttendance Elevator Patrol Report System Externa	
🗄 🖺 Exit 📑 Cardholder Info Setting 🔨 Mifare setting	ld Users Automatic 🤹 Retrieve Biometric Characteristics ୶ Remote Open I	Door 💿 Event Monitor 🛛 🗙 Close
Device 📫 New 🧊 Modify 👒 Delete 🔛 Save 📑 Order	📲 Set All Readers 🛛 🏡 Time Synchronization to All	
	Function Set Door(1-4) Wiegand Access control parameters Reader Se	tting
	Door:1,Master:ID:01,SlaveID:02	Door.2,Master:ID:03,SlaveID:04
	Door Name	Door Name
	Doorl	Door2
	Multiple Door Interlock Group	Multiple Door Interlock Group
	Group 1 👻	Not Interlock
	Initialize ANTI Set	Initialize ANTI Set
	- Door:3,Master:ID:05,SlaveID:06	Door.4, Master: ID:07, SlaveID:08
	Door Name	Door Name
	Door3	Door4
	Multiple Door Interlock Group	Multiple Door Interlock Group
	Group 1 🔹	Group 1
	Initialize ANTI Set	Initialize ANTI Set
Login ADMIN Current opeartion: Access Control	Hardware Setting Current Time 2021-01-21 15:42:10	

5. Pressing Initialize ANTI, which can clear the in/out status.

Notice: One-in-one-out control: Usually the host is Input and the slave card reader is Output. Therefore, when the host swipes the card to generate the record, the card must be swiped in the secondary card reader before the host can swipe the card.

6. Pressing Save will only save all door parameters and action settings, and pressing Set will take effect.

Note: The IDs of the primary and secondary card readers are a fixed combination and cannot be set at will.

Remarks:

If it is a biometric card reader, in addition to setting parameters on this page, you need to go to the biometric card reader page to set the parameters again.

5-6-13 Wiegand (HAC-4200N)

This is to set Wiegand decoding. The default setting is W26 and W34.

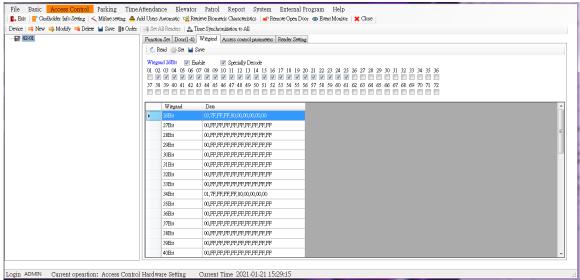
Enable: Check to enable Wiegand decoding.

Special decoding: check, special decoding rules, user-defined decoding rules can be cus-

tomized. Otherwise, if it is not checked, it is the company's decoding rules.

Read : Read back Wiegand decoding

Set: Set the selected Wiegand decoding to the device.



Example:

When the card is W36, please enable W36 and click Set, try to tap the card and recover the card number. If the card number cannot be recovered, the card is not W36. Please enable other options to test to determine which Wiegand is.

evice 📫 New 📫 Modify 👒 Delete 🔛 Save	📭 Order 🔤 Set All Readers 🦾 Time Synchronization to All
42-01	Function Set Door(1-4) Wiegand Access control parameters Reader Setting
	i 🗱 Rea 🧼 Set 🖬 Save
	Wiegand 3/Bit 😨 Enable 📄 Specially Decode
	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
	I I
	Wiesand Data
	Wizgand Data 265bit 03 /7F FF 90,000,000,000
	285a 00.FF.FF.FF.FF.FF.FF.FF.FF.
	298it OUFF, FF, FF, FF, FF, FF, FF, FF, FF, FF,
	30Bit 00.FFF_FF_FF_FF_FF_FF_FF_FF
	31Bit 00,FF,FF,FF,FF,FF,FF,FF,FF
	32Bit 00,FF,FF,FF,FF,FF,FF,FF,FF,FF
	33Bit 00,FF,FF,FF,FF,FF,FF,FF,FF,FF
	34Bit 01,7F,FF,FF,5F,8,00,00,000
	35Bit 00,FF,FF,FF,FF,FF,FF,FF,FF
	368iu 00,FFF,FF,FFF,FFF,FFF,FFF,FF
	37Bit 00,FF,FF,FF,FF,FF,FF,FF,FF,FF
	38Bit 00,FF,FF,FF,FF,FF,FF,FF,FF
	39Bit 00,FF,FF,FF,FF,FF,FF,FF,FF
	40Bit 00,PF;PF;PF;PF;PF;PF;PF;PF;PF
	41Bit 00,FF,FF,FF,FF,FF,FF,FF,FF
	42Bit 00,FF,FF,FF,FF,FF,FF,FF,FF
	43Bit 00,FF;FF;FF;FF;FF;FF;FF;FF;FF;FF
	44Bit 00,FF,FF,FF,FF,FF,FF,FF,FF
	45Bit 00,FF,FF,FF,FF,FF,FF,FF,FF,FF

If the card number is not the expected number, the card number should be contacted by our company and the card should be provided. After the engineer analyzes the card and provides it, you need to check the special decoding and the required.

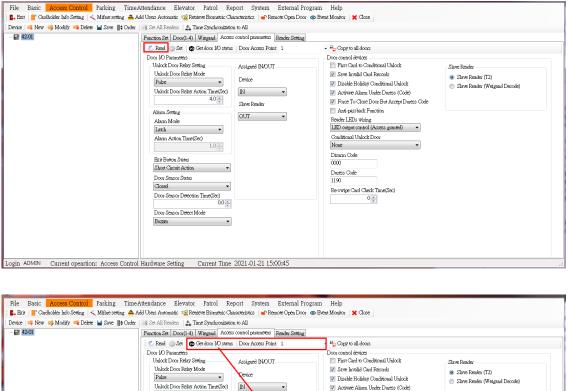
5-6-14 Access control parameters (HAC-4200N)

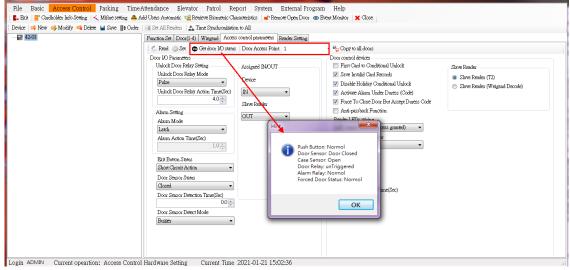
Modified the parameter of device's access function.

Steps

- 1. Choosing the controller.
- 2. Pressing READ and reading back current setting. Choosing door 1~4 and pressing get door I/O status. Then it will have the pop windows to display the status of door.
- 3. Modifying parameter setting.
- 4. If you hope all parameter of door, please press COPY TO ALL DOORS. All parameter of door will be same.

5. All modified parameter will take effect after pressing SET. (It will need to press SET for COPY TO ALL DOORS.)





The parameter function is as following.

Door I/O Parameters :

[Unlock Door Relay Mode]

- Unlock Door Relay Mode :
 - Pulse:

After the Door Relay operates, it will reset within the time you set. For instance, it means that the doors will open and close after 4 seconds when the default is 4 seconds.

■ Toggle : After Door Relay operates, it resets after it is triggered again.

• Unlock Door Relay Action Time (Sec) : Door Relay Time of Door Relay Action. The default is 4 seconds.

[Alarm Setting]

● Alarm Mode :

- Pulse: After the Alarm Relay operates, it will reset within the time you set
- Toggle : After Alarm Relay operates, it resets after it is triggered again.
- Latch: After Alarm Relay operate, it resets after enter release code.
- Alarm Action Time (Sec) : Alarm Relay Time of Alarm Relay Action. The default is 1 seconds.

[Exit Button Status] Changing the status of exit push button connection, that includes short-circuit action (default value), open-circuit action and close.

[Door Sensor Status] Changing the contact state of the door sensor, which are short-circuit action, open-circuit action and closed.

[Door Sensor Detection Time (Sec)]

After setting the number of seconds, it starts to detect that the door is not closed properly, and the set time is to start detection after the door opening time ends. The default is 0 seconds. After this function is activated, the door is not closed properly.

[Door Sensor Detect Mode]

When the door is not closed properly, select whether the reader will beep to warn or the Alarm Relay will act. The default is Reader Beep, which needs to be matched with "Door Detection Time".

Example: Setting the door opening action time to 4 seconds, the alarm action time is 5 seconds, the anti-door detection is 10 seconds, and the anti-door detection warning mode is set to Alarm Relay.

Note: When the door is opened, the door will be automatically locked within 4 seconds. If the door is not closed, it cannot be automatically locked.

Starting timing for 10 seconds. After 10 seconds, if the door is not closed, an alarm will be triggered for 5 seconds. The trigger mode is Alarm Relay.

[Assigned IN/OUT]:

Specify whether the master/slave card reader should display "IN" or "OUT" when receiving events.

Door control devices :

- First Card to Conditional Unlock : When enable, the door is open for a period of time, the normally open will be activated only after the first legal card is tap. If the card is not swiped, the door will still be locked even if the time is up.
- Save Invalid Card Records : When you enable it, it will save unauthorized card.
- Disable Holiday Conditional Unlock : When you enable it, it will turn off function which is keeping open the doors.
- Activate Alarm Under Duress(Code): When you enable it, alarm will be activated when you are in duress situation.
- Force To Close Door But Accept Duress Code : Enabling it, When forced to close the door, you need to enter the duress code
- Anti-Pass back Function : When checked, the one-in-one-out function is activated.
- Reader LEDs wiring : Setting the light of the card reader to LED output control (Access granted) or LED output control (Access refused).
- Conditional Unlock Door : None or 1~254 time periods, set a certain time period as continuous door opening.
- Disarm Code : Releasing the alarm triggered by duress code and external damage, the default is 0000.
- Duress Code : Pressing the duress code will open the door and activate an alarm.
 The default is 1190.
- Re-swipe Card Check Time (Sec) : Within the set time, when the same card is taped repeatedly, the second swipe is deemed invalid and will not be recorded and an error sound will be emitted. The preset number of seconds is 0, and the longest can be

set to 255 seconds.

[Slave Reader]

- Slave Reader (T2) : The readers support T2 mode.
- Slave Reader (Wiegand Decode) : The readers support Wiegand.

5-6-15 Reader Setting (HAC-4200N)

Modifying the schedule function of the host. Steps :

- 1. Choosing the devices you would like to modify.
- 2. Pressing READ, it reads current settings as well.

3. Modify the parameter setting value. The parameters that can be modified are as follows :

- LCD Backlight : When you enable it, the LCD screen backlight is always on
- Keypad Backlight : When you enable, Button backlight normally on
- Function Key : When you enable, the number button function is turned on. If you don't enable it, you can only "swipe your card" for induction .
- Keypad : When you enable, function keys can be turned on
- Enable Sensing : When you enable, you use the card to sense the device •
- Enable Keypad Sound : When you enable, it turns on sound of keypad.
- Activate Case Sensor alarm : When you enable it, it is damaged by external force and the device beep, and the alarm needs to be cancelled with a cancellation code.
- Case Sensor Alarm Disarm (1-10 Digitals) : Releasing the alarm of damage caused by external force.
- Swipe Card Recheck Time(1-255, 0 is Disable) : When the user continuously taps the cards, the host only records the first data, and the time setting range can be 1-255 seconds.
- Disconnection Detective Time(1-255, 0 is Disable) : Check the detection seconds of the communication connection with the host.
- 4. Pressing Set to take effect •

5. You need to modify the parameters first, and then press Set All Readers, and all card readers will be set.

42-01	Function Set Door(1-4) Wiegand Access control parameters Reader Setting C Read Set 1 • @ Set All Readers	
	LCD Backlight Cose Sensor Alum Disam Code(1-10 digitals) Function Key 000 Function Key Swipe Card Recheck Time(1-255,0 is Disable) Eather Sensing 0 Table Keynad Sound Disconnection Detective Time (1-255,0 is Disable) Activate Case Sensor alarm 0	

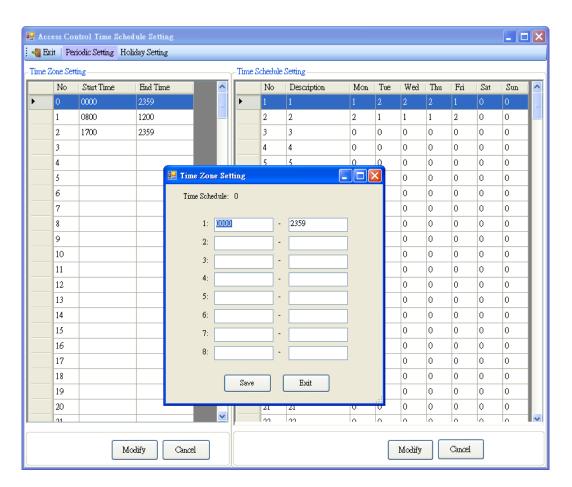
5-7 Access Control Time Schedule Setting (HAMS-24)

Allow the users set time zone and time schedule.

5-7-1 Set Time Zone

Operation Steps:

- 1. Click [Modify] of time zone setting.
- 2. Input time (format: HHMM). Ex: Time start from 0000 and 2359 for time end.
- 3. A day able includes 8 time zones. Click [Advance], you may input different times and set them as a time zone group.
- 4. Click [Save] to save the setting. To delete the record, please click [Cancel]



5-7-2 Set Time Schedule

Operation Steps:

- 1. Click [Modify] of time schedule setting.
- Input time schedule name first. Set time zone for each day; enter the time zone number (Row number) with the desired time setting. Ex: Request 24 hours controlled. Input 0 (Time zone 0 is 0000-2359) from Monday to Sunday.
- 3. Click [Save] to save the setting. To delete the record, please click [Cancel]

Zone Se	tting			Ti	ime Schedule	e Setting							
No	Start Time	End Time			No	Description	Mon	Tue	Wed	Thu	Fri	Sat	Sun
0	0000	2359		Þ	1	1	1	2	2	2	1	0	0
1	0800	1200	_		2	2	2	1	1	1	2	0	0
2	1700	2359			3	3	0	0	0	0	0	0	0
3					4	4	0	0	0	0	0	0	0
4					5	5	0	0	0	0	0	0	0
5					6	6	0	0	0	0	0	0	0
6					7	7	0	0	0	0	0	0	0
7					8	8	0	0	0	0	0	0	0
8					9	9	0	0	0	0	0	0	0
9					10	10	0	0	0	0	0	0	0
10					11	11	0	0	0	0	0	0	0
11					12	12	0	0	0	0	0	0	0
12					13	13	0	0	0	0	0	0	0
13					14	14	0	0	0	0	0	0	0
14					15	15	0	0	0	0	0	0	0
15					16	16	0	0	0	0	0	0	0
16					17	17	0	0	0	0	0	0	0
17					18	18	0	0	0	0	0	0	0
18					19	19	0	0	0	0	0	0	0
19					20	20	0	0	0	0	0	0	0
20					21	21	0	0	0	0	0	0	0
11			×		11	าา	0	0	0	0	0	0	0

5-7-3 Holiday Setting

Operation Steps:

Holiday means National holiday or specific date.

- 1. Click [New].
- 2. Input holiday date, Format is YYYYMMDD. Then set time zone by specifying the time zone number (Row number) with the desired time setting.
- 3. Click [Save]to save the setting. To delete the record, please click [Delete].

Exit Periodic Setting Holiday Setting	
Time Zone Setting Holiday Setting	
🕴 🥩 Modify 🔩 Cancel 🔛 Save 🕐 Cancel 📄 Advance 🕴 📪 New 🕪 Modify 🔩 Delete 🔛 Save 🕐 Cancel 🥅 Fix	d Holidays
No Start Time End Time No Holiday Time Schedule	
▶ 0 0000 23:59 ■ No Houday Schedule	
1 08:00 17:00	
2 00:00 23:59	
3 09:00 18:00	
4	
5	
6	
7	
8	
9	
10	
13	
15	
16	
17	
19	
20	
-	

4.If the holidays are fixed every year, please click the button "Fixed holidays" to add. Enter the holiday date. The date format is Month first then Date. Example : 0101 (Month Date), then enter time schedule number.

fy Save Cancel Advance Io Start Time End Time No Holiday Time 0000 23:59 0000 23:59 00000 0101 2 09:00 18:00 000000000000000000000000000000000000		IC Setting Holl	day Setting					
Io Start Time End Time 0000 23:59 08:00 17:00 00:00 23:59 09:00 18:00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 3 1 4 1 5 1 6 1 7 1 8 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	e Setting				-Holiday .	Setting		
0000 2359 08:00 17:00 00:00 23:59 09:00 18:00 - -	ify 📑	Cancel 🔛 Savi	e 🕐 Cancel 📄	Advance	🕴 📫 Nev	🛚 🧊 Modify	🔩 Delete 📔	Save 🕐 Cancel
0000 2359 08:00 17:00 00:00 23:59 09:00 18:00 - -	No S	Start Time	End Time			No	Holiday	Time
	α	0:00	23:59	E		0000007	0101	
09:00 18:00	08	8:00	17:00					
	. α	0:00	23:59					
Image:	09	9:00	18:00					
Image:								
Image:								
Image:	;							
Image:	'							
Image:								
Image:								
1 1 3 1 4 1 5 1 5 1 7 1 8 1 9 1	0							
3	1							
Image:	2							
5	3							
5	4							
7	5							
	6							
	7							
	8							
	9							
	0							
	1							

5-8 Authorization Setting(HAMS-24)

5-8-1 Group Authorization Setting

Operation Steps:

- 1. Click [New].
- 2. Input group name.
- 3. Click [Save] to save the setting.

File Basic Access Control Parking Tir	neAttendance Elevator Patrol Report System External Program Help
🕴 🕵 Exit 🛛 📑 Cardholder Info Setting 🛛 🔧 Mifare card Issue	nce 🐣 Add Users Automatic 🤹 Retrieve Finger Pattern 🔐 Remote Open Door 💿 Event Monitor 🗙 Close
Group Auth Setting Group Auth Inquire Download	
📫 New 🥩 Modify 📫 Delete	Authorization Setting
Group Name Holiday Th	🛿 🛼 Door Schedule \mid 🚨 Cardholder 🗙 Delete Cardholder 🛛 🎦 Export Cardholder 👌 Import Cardholder 🛛 🔍 Search
	Total No :0
	Door Time Schedule[1] Time Schedule[Department Emp No Name
×	

Image: Modify in Delete Authorization Setting Group Name Holiday Time Schedule AA Image: Modify in Delete Image: Cardba Record.0 Senall No Time Schedule	older 🗶 Delete Cardholder N Export Cardholder 🌛 In Record O de Door Department	
AA Record 0	Record:0	
		Emp No Name
Serail No Time Schedu	le Door Department	Emp No Name

4. Go to [Door Schedule].Select a Time schedule from left side first. Then select the doors which you want to authorize.

Hint: Speedy Selection: Press CTRL key and select doors by mouse or press SHIFT key and select doors successively by mouse.

5. Click [OK].

		g 🛛 🔨 Mifare setting		ndance Elevator Patrol Report System External Program Help Isers Automatic 🙀 Retuieve Finger Pattern 🗬 Remote Open Door 👁 Event Monitor 🗙 Close
	lew 🥵 Modify 👒 Delete	me Dowmond		Authorization Setting
: =+ 14	Group Name	Holiday	Time Sche	Rabringer Schedule 🙎 Cardholder 💥 Delete Cardholder 🍗 Export Cardholder 🌛 Import Cardholder 🔍 Search
Þ	AA			
				Record-0 Record:0
			Selec	t Door Group Schedule Emp No Name
	7			V V V
1		rtion: Auth Sett	, ,	

- 6. Go to [Cardholder]. Tick the department then you will read cardholder list which belong the department. And then you can start to tick the cardholders.
- 7. Click [Save] to save the setting. If want to delete the selection, please remove the tick.

🛚 🥵 Modify 🛛 🔩 De	elete		Authorization Setting								
Group Name	Holiday	Time Sche	🛼 Door Schedule 🛛 .	Cardholder	🗙 Delete	Cardhol	der 🎦 Export 🤇	Cardholder 👌 Imp	ort Cardhold	ler 🔍 Search	
LA.											
			Record-2	π			_	Record:0		Emp No	Name
			Serail No	Time Schedule	Dox	r	_	Dep	artment	Limp Ivo	Ivame
			▶ <u>1</u>	1	01		_		_		
		🖳 S	Select Cardholder	-	-	-			×		
			OK Cano	1							
			partment		Cardhol						
			CBA ABC		🗹 Se	lect All	Select None				
					1	V	Name 100000000	No 100000000	- â		
					2						
					3						
					4						
					5	V					
					1 6		1000000010	100000010			
					7		100000012	100000012	- 11		
					8		100000014 100000016	100000014 100000016			
					10		100000018	100000018			
					11		100000020	100000020			
					12		100000022	100000022			
					13		100000024	100000024			
					14		100000026	100000026			
					15		100000028	100000028	-		
					-						

8. Able to use "Search" function according to the types of search criteria, like Emp. No, Name or Department.

4 New 📫 Modify 🔫 Dele	a Inquire Download ste		Authorization Setting
Group Name	Holiday	Time Schedule	🛛 💀 Door Schedule 🔺 Cardholder 🗙 Delete Cardholder 陆 Export Cardholder 🍌 Import Cardholder
Group Name	Holiday		Record 1 Record 1 Record 2 Record 1 Record 2 Record 2 Record 1 Record 2 Record 2 Record 2 Record 2 Record 2 Record 2 Record 3 Record 4 Record

After setting completed, system also allows users to click [Export Cardholder] to produce a txt file base on the setting. The file only includes cardholder name and authority by department. This file may import to system and use for other group authorization.

5-8-2 Group Authorization Inquire

Operation Steps:

- 1. Check dynamic drop-down menu, you will read group, door, time schedule and name.
- 2. Click [Search].

oup:	- Door:		- Time Schedule:	- N	ame:	 Emp No: 	Department	- 🔍 Search
🔒 📄 📉 Title	Group Auth Inquire							
Group	Time Schedule	Door	Name	Emp No	Department			
2400N	1	D1	test001	00001	test			
2400N	1	D1	test002	00002	test			
2400N	1	D1	test003	00003	test			
2400N	1	D1	test004	00004	test			
2400N	1	D1	test005	00005	test			
2400N	1	D1	test006	00006	test			
2400N	1	D1	test007	00007	test			
2400N	1	D1	test008	00008	test			
2400N	1	D1	test009	00009	test			
2400N	1	D1	test010					
	•	Di	15:010	00010	test			
			25000	00010	t ert			

5-8-3 Download Authorization

Operation Steps:

- 1. There are two download methods. Tick "By Group Auth" or "By Device".
- 2. Select the Groups or devices which you want to download.
- 3. Download Type:
 - Download All: Download all users' information and authorizations.
 - Modification: Download modified users' information and authorizations.
 - Download Time: Include time zone, time schedule and holiday schedule. Tick the check box when first downloading or time zones and schedules are modified.
- 4. Click [Download] to start the download.

File Basic Access Control At		arking TimeAttendance Patroi	l Report System Extern	nal Program Help	
🗄 🕵 Exit 📑 Cardholder Info Setting 🔩 Mi	ifare card Issuance Add Users Automati	: 🤹 Retrieve Finger Templates 🛛 💣 Remo	te Open Door 💿 Event Monitor 🗙	Close	
Group Auth Setting Group Auth Inquire Dow	nload				
(A)	(B)	Download All Modification Time Schedule Start			
All By Group Auth	All O By Device				
) [
Login ADMIN Current opeartion: Auth Setting	Current Time 2014/3/6 下午 04:13:45				· 简 🛛 🎗

5-9 Access Control Event monitor

It is mainly to monitor swipe card events or device actions in real time Operation Steps:

- Tick devices which you want to retrieve events. You may click [Select All] or [Select None] or [Restore] for quickly selection. (System will memorize preceding setting, when click [Restore], system will return to previous selection.)
- 2. Click [Retrieve] to retrieve the events. Click [Stop] then may exit retrieval function.

File			_	-			-	•		nal Program Help Devent Monitor 🗙 Clo	se	
🕈 Re	rieve 🔸 Stop Select .	All Select None	Adv	vance S	etting 960PMF	Test area				👿 Synchronize The Tir	ne While Activa	ate Retrieving
lvents		ol Status Event M	enu									
Retri	eve Group		Ē	Alarm E	Svent						_	
	Device Name	Status ^			Location	Name	Card No	Date		Event Explanation		
	940PM-Test area	Polling De										
	852PMFV-Test area											
1	860PM-Test area	Polling De										
1	860PMF-Test area	Polling De										
V	850PM-Test area	Polling De										
V	960PM-Test area	Polling De										
V	852PMF-Test area	Polling De	L									
7	830PM-Test area	Polling De	E	Swipe C	ard Event							
V	820PM-Test area	Polling De			Location	Name	Card No		Date	Shift No	In/Out	Event Explanation
	2400-Test											
	2000WSN-Test											
	100WS-Test area											
	920PM-Test area											
	2400N-Test							III				•
	4600-Test		Ē	General								
	4600N-Test				Location	Nam	e Card No		Date	Event Explanat	ion	
	502PEF-NB											
	500PMF-N											
	970PMDF											
	4600N											
	852	~										
gin	ADMIN Curren	t opeartion: Ev	ent	t Mon	itor Curren	t Time 2016/1	2/20 下午 02:5	l:19				

- Synchronize The Time While Activate Retrieving: Do the time synchronization one time while it start retrieving, but not do it anymore after that (the default has ticked the checkbox. This function are just for those devices which are selected on the "Time Sync" function to go for a time calibration.)
- Events: Display current retrieval.
- Schedule Log: Allow the users view schedule execute status. This function works with "Chapter 11-2 Schedule Setup".
- Advance Setting: Clean all events from screen.
- Patrol Status: Display patrol status.
- Event Menu: Operator may select what events would like to retrieval. Default is select all.

5-10 Mifare Setting

- 1. Mifare setting is to support Mifare models
- 2. Desfire setting is to support Desfire models

	ng TimeAttendance Elevator Patr			
📲 📕 Exit 🛛 📑 Cardholder Info Setting 🛛 🔨 Mifare	setting 🚓 Add Users Automatic 🦙 Retrieve Fin	er Pattern 🛛 🛶 Remote Open Door 💿 Event Monitor 🛛 🗶 Close		
🗄 Device 📑 New 를 Modify 🔫 Delete 💾 Sav	Device 📫 New 🥪 Modify 🔩 Delete 🔛 Save 🖳 Copy 🔢 Order 📩 Time Synchronization to All			
Parameter/ Parameter/ Mifare Parameter/				
_	510PM			
	RAC-920(172.16.1.50.4660@1)			
	Password Function			
Close	-			
2016/09/23	3 10:23:52	×		
	Connect Testing Read Time			
	Set Time Time Sync			
Reo	corder's Memory Reset Anti Status			
Assigned	INOUT			
Device				
IN	-			
Slave Re	ader			
OUT	-			
Login ADMIN Current opeartion: Access Control Hardware Setting Current Time 2016/9/23 上午 10:24:01				
Login Carrent opeanion. reco	coo control maramate belling Curren	Time 2016/9/23 上午 10:24:01		

Mifare setting		
📴 🔂 Exit 🥔 Setting		
Mifare setting Desfire setting Specific parameters setting	Select the model	
O Unique ID Reading	🔄 Select all	
💿 Use KeyA	510PM	
💿 Use KeyB	HTA850PM HTA852PMF	
Retrieve Valid Code Index	RAC852PMFV	
1	RAC-920 RAC960PMF	
Retrieve Valid Code Length		
0		
Block Reading		
0		
Key A/Key B Value		
🔲 Display Password		
Compress Card No		
L	-P.	

5-10-1 Mifare Setting

- 1. Allow the user to set the reading unique ID or block of Mifare cards.
- 2. This page only for Mifare models.

Operation Steps :

- Unique ID Reading : Allow user read serial number only. When select this parameter, please ignore follow parameters setting.
- Use Key A : Login by Key A value.
- Use Key B : Login by Key B value.
- Retrieve valid code index : The index digit of retrieve valid card number.
- Retrieve valid code length: how many digits you want to retrieve of valid card number. This parameter works hand in hand with "Retrieve valid code index".
- Block Reading : Assigned read allotted block.
- Key A/Key B Value : The value of allotted block
- Display Password : When tick the box, Key A/Key B 's password will display on plain code.
- Compress Card No: Default is uncompressing card number. If need compress card number, please tick the check box.

Mifare setting		
😪 Exit 🧼 Setting		
Mifare setting Desfire setting Specific parameters setting	Select the model	
Oliver ID Reading	Select all	
🔘 Use KeyA	340PM_COM2-2	
🔘 Use KeyB	510PM_COM2-3 520PM_COM2-1	
Retrieve Valid Code Index	820PM_COM2-4	
1	920PM_COM2-6 960PM_229.55	
Retrieve Valid Code Length	HTA_850PM_229.53	
0	HTA_852PMF_229.54 HTA_856PM_COM4_3	
Block Reading	HTA_860PM_229.57	
0	HTA_860PMF_229.58 HTA-870PM COM4 4	
Key A/Key B Value	HTA-870PMF_COM4_5	
	RAC-940PM_229.62 RAC-960PMF 229.56	
🔲 Display Password	RAC-970PM_34.97	
Compress Card No	RAC-970PMF_34.98	

5-10-2 Desfire Setting

Specify a device to read UID (Serial number) or to read file for Desfire models

Operation Steps:

- 1. Data Offset : Set offset value from the beginning of the data.
- 2. Length to read : The length (number of digits) to retrieve ; It needs to work with Start Digit.
- 3. All the values in these fields (Application Identifier, File number
 < Key number
 < Key value) need to be as the same as the settings while doing card issuance.
- 4. Display Password : Show a password in an input box when the checkbox is checked here.

ifare setting Desfire setting Specific parameters setti	ng Select the model
The type to read	Select all
	RAC-940PMD_COM2_9 RAC-960PMD_33.36
Data Offset	RAC-970PMD_33.50
0	
Length to read	
10	
Application Identifier	
000000	
File number	
0	
Key number	
0	
Key value	
Display Password	

5-10-3 Specific parameters setting

- 1. Parameter name : Define the parameter name.
- 2. Command : With "Read", "Write" and "R/W" for choice.
- 3. Index : Enter Command Code.

4. Parameter data.

Mifare setting		
🗄 🔂 Exit 🥔 Setting		
Setting Mifare setting Desfine setting Parameter name Command Index Parameter data Select tall Parameter data South_COM2-2 SIDPM_COM2-4 SOUTM_COM2-4 SOUTM_COM2-4 SOUTM_COM2-4 SOUTM_COM2-5 SOUTM_COM2-6 SOUTM_COM2-6 SOUTM_COM2-6 SOUTM_COM2-7 SOUTM_COM2-6 SOUTM_COM2-7 SOUTM_COM2-7 SOUTM_COM2-7 SOUTM_COM2-6 SOUTM_COM2-7 SOUTM_COM2-6 SOUTM_COM4-7 HTA_850PM_229.53 HTA_850PM_229.53 HTA_850PM_229.54 HTA_860PM_229.57 HTA_860PM_229.57		

Aifare setting	
Exit Setting Mifare setting Desfire setting Parameter name 960.COM04 Command Index R/W 04 Parameter data A101540115090315000000000000000000000000000000	Select the model Select all 2400N_229.51 340PM_COM2-2 510PM_COM2-3 520PM_COM2-1 820PMF_30.206 820PMF_30.206 920BM_COM2-5 920PM_COM2-6 930PM_COM2-7 960PM_229.55 HDP_228.102 HTA_850PM_229.53 HTA_850PM_229.54 HTA_856PM_COM4_3 HTA_860PM_229.57 960PM_229.55[Progress Completed]

5-10-4 Special Parameter Settings (HAC-101)- Elevator mode change to access control mode

To change the elevator mode of HAC-101 to be an access control mode: Operating Steps :

- 1. Parameter Name : Self-definable
- 2. Commands : Please Select UNI
- 3. Index : Enter 2010 •
- 4. Parameter Data : 00: Access Mode
 v 01: Elevator Mode
- e.g. : Enter 00 to the field of parameter data to turn HAC-101PM to be an access control

mode (controller)	
Mifare setting	
📴 Exit 🧼 Setting	
Mifare setting Desfire setting Specific parameters setting	Select the model
Parameter name	🗌 Select all
Command Index	HAC-100PM HAC-101
UNI 2010	V HAC-101PM HDE-100
Parameter data 00	
.UNI,2010,00	
	HAC-101PM[Progress Completed]

5-10-5 mKey Settings

Support model: RAC-2000WS/RAC-2000WSN \ RAC-4600/RAC-4600N \ RAC-960PE/RAC-960PM \ RAC-960PEF/RAC-960PMF \ RAC-970PE/RAC-970PM \ RAC-970PEF/RAC-970PMF \ RAC-971PE/RAC-971PM \ RAC-971QE/RAC-971QM \ RAC-971PEF/RAC-971PMF \ HTA-860PE/HTA-860PM \ HTA-860PEF/HTA-860PMF \ HTA-870PE/HTA-870PM \ HTA-870PEF/HTA-870PMF \ HTA-871PE/HTA-871PM \ HTA-871PEF/HTA-871PMF \ NCU \ GCU \ RAC-2400/RAC-2400N \ HDE-120 \ HDP-100

Download the key from the device host device and upload to QR code or BLE reader. Note: If you do not upload the key to the card reader, you cannot open the door with your phone.

Operation steps:

- 1. Select the device model.
- 2. Click Settings to upload the key to the reader.

	Mifare setting
📴 Exit 🥔 Setting	
Mifare setting Desfire setting Specific parameters setting mKey setting mCardKey:	Select all □ 107(2400) □ 510M □ 852 □ HAC-510PM ♥ RAC-2000 WSN-1 (RAC-2000 WSN) ♥ RAC-2000 WSN-2 (RAC-2000 WSN) ♥ RAC-4600-1 (4600) ♥ RAC-4600-7 (4600)

5-10-6 Emergency Card Setting (Only use for downstream L type reader)

Able to set 32 emergency cards for L type reader.

Operation Steps:

- 1. The screen displays all personnel information, and you can query personnel information by name or card number.
- 2. Please select personnel name/card number and then click "Add to List" to add the emergency card number to the lists.

Mifare	- 1	setting Specific parameters settin move all emergency cards 👌 Re nber		Select the model Select all PXR82MSKL (2400N) PXR92MSL (2400N)
	Name	Card No		
	DAV1	0000000001		
	DAV2	00000002		
▶	DAV3	00000003		
	DAV4	000000004		
	DAV5	000000005		
	DAV6	000000006		
	DAV7	000000007		
	DAV8	000000008		
	DAV9	000000009	+	
4	Add to List 📑 R	emove from list Record:0		
	Name	Card No		

- 3. Select device model.
- 4. Click "Download" to download emergency card information to device.

r Exit 🧼 Setting		
ifare setting Desfire s	etting Specific parameters setting mKey	setting Emergency Card Setting Select the model
I Download 🗙 Re	mow <u>e all emergency cards</u> 👌 Read	Select all
Personnel and card nun		VR82MSKL(2400N)
	Searc	
Name	Card No	
DAV1	000000001	
DAV2	000000002	
DAV3	000000003	
DAV4	0000000004	
DAV5	000000005	
DAV6	000000006	
DAV7	000000007	
DAV8	000000008	
DAV9	00000009	
🚅 Add to List 📑 R	emove from list Record;	
Name	Card No	
DAV3	000000003	
DAV2	000000002	
	0000000001	

ixit 🧼 Setting				
e setting Desfire s	etting Specific parameters setting	mKey setting	Emergency Card Setting	Select the model
	move all emergency cards 🗼 Re			Select all
onnel and card num	lber —			VR82MSKL (2400N)
		Search		PXR92MSL(2400N)
Name	Card No		*	
DAV1	000000001			
DAV2	000000002			
DAV3	000000003			
DAV4	000000004			
DAV5	000000005			
DAV6	000000006			
DAV7	000000007			
DAV8	000000008			
DAV9	000000009			
Add to List 📑 Re	move from list Record:3			PXR82MSKL(2400N)>Adding Successfully[000000003] PXR82MSKL(2400N)>Adding Successfully[0000000002] PXR82MSKL(2400N)>Adding Successfully[0000000001]
Name	Card No			PXR82MSKL (2400N)>Adding Successfully![0000000001]
DAV3	000000003			
DAV2	000000002			
DAV1	0000000001			

5. Click "Read" to read the emergency card number in L type reader.

Ŧ		nove all emergency cards 法 Re	g mKey setting Emergency Card Setting ad Seach	Select all PXR82MSKL(2400N) PXR92MSL(2400N)
	Name DAV1 DAV2 DAV3 DAV4 DAV5 DAV6	Card No 00000002 00000003 00000004 00000005 00000006		Progress Completed
4	DAV7 DAV8 DAV9 Add to List 🗪 Re	000000007 000000008 000000009 move from list Record:3 Card No		OK PXR82MSKL (2400N)>Read (0)000000003 PXR82MSKL (2400N)->>Read (0)000000003 PXR82MSKL (2400N)->Read (0)000000003 PXR82MSKL (2400N)->Read (0)000000003
•	DAV3 DAV2	000000003 000000002		
	DAV1	000000001		

6. Click "Remove all emergency cards", system will delete all emergency cards in the device.

Mifara	setting		
	xit 🎻 Setting		
Mifra	catting Dectives	setting Specific parameters setting mKey setting Emergenc	w Card Setting Select the model
		move all emergency cards 👌 Read	Select all
	onnel and card nur		V PXR82MSKL(2400N)
		Search	PXR92MSL(2400N)
	Name	Card No	
Þ	DAV1		
	DAV2	00000002	
	DAV3	000000003	
	DAV4	000000004	
	DAV5	000000005	
	DAV6	000000006	
	DAV7	000000007	
	DAV8	000000000	
	DAV9	000000009	
: 📫	Add to List 🛛 🔩 Re	emove from list Record:3	PXR82MSKL(2400N)>Cleanup Successfully!
	Name	Card No	
•	DAV3	000000003	
	DAV2	000000002	
	DAV1	0000000001	

5-10-7 Display Message

Display message can be modified.

Support device model: RAC-960 Series/RAC-960 Fingerprint Series/RAC-970 Series/RAC-970 Fingerprint Series/RAC-971 Series /RAC-971 Fingerprint Series /HTA-860 Series /HTA-860 Fingerprint Series/HTA-870 Series /HTA-870 Fingerprint Series/HTA-871 Series/HTA-871 Fingerprint Series

Operation Steps:

1. Tick the checkbox of device model, select the Language, and click "Read". Read the current display message.

Language English Loed Default Read Set PTOF 40.87 PTOF 40.87	pecific parameters	setting mKey setting Emerger	ncy Card Setting Display message	Display message(UNI)	select the model	
	Access Granted! Access Denied! Card Duplex! Time Zone Error!		Load Default Read	Set	871f 40.187 960f 40.222 970 40.18	

2. Modify the content, click "Set", and download the changed display message to the de-

vice.

		cy Card Setting Display message	Display message(UNI)	Select the model	
Language	English 👻	Load Default Read	Set	870f 40.87	
Access Granted!	Good!			871f 40.187 960f 40.222	
Access Denied!	Badl			970 40.18	
Card Dupler !	Card Duplex!			971 40.8	
Time Zone Error!	Time Zone Error!				
Card Not Found!	Card Not Found!				

3. If you want to restore the default values, click "Load Default" to restore the original factory settings.

5-10-8 Display Message (UNI)

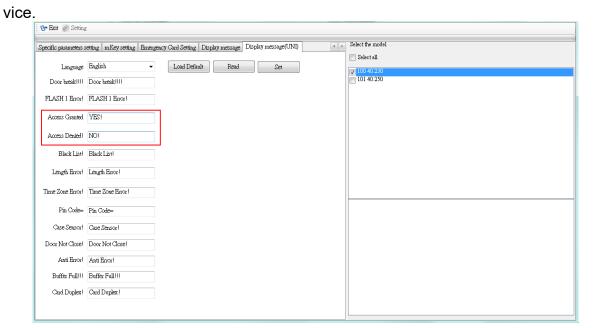
Display message can be modified. Support device model: HAC-100/101.

Operation Steps:

1. Tick the checkbox of device model, select the Language, and click "Read". Read the

🔁 Exit 🧭 Setting		
Specific parameters setting mKey setting Emergency Card Setting Display message Displa	y message(UNI)	Select the model
Language English Load Default Read	Set	100 40.230 101 40.250
Door break!!!! FLASH 1 Enor!		
Access Granted		
Access Denied!		
Black List!		
Length Error!		
Time Zone Enor		
Case Sensor!		
Door Not Close!		
Anti Error!		
Buffer Full!!! Card Dupler !		

2. Modify the content, click "Set", and download the changed display message to the de-



3. If you want to restore the default values, click "Load Default" to restore the original factory settings.

5-11 Add Users Automatic

Operator may retrieve card number from the device and add card number into cardholder information automatically.

Operation Steps:

- 1. Select Device. (Only RAC-940 ,RAC-960 and RAC-970 series)
- 2. Click [Execute] to retrieve valid card information. System will create new users' name and employee number as card number in the cardholder information workspace automatically.

🖳 🗛	l Users Automatic	
B Exit	Execute	
	Door	
•	960PMF	
	940PM	
	Progress Completed OK	

5-12 Retrieve Biometric Characteristics

Retrieve biometric characteristics from biometric characteristics machine. (This function is only for biometric characteristics machine)

[Access device]

Operation Steps:

- 1. Select Device
- 2. Select Single Card or All Cards.

Single Card : Please input card number which you want to retrieved and then click [Execute]

All Cards : It is highly recommend selecting all cards at first time. After that, operator can retrieve biometric characteristics singly to avoid long time retrieval. (System will take 4~5 minutes for 200 biometric characteristics).

Retrieve Biometric Characteristics	
📴 Exit 📣 Execute	
Access device Biometric Reader	
Door	
RAC-850PMFA	Single Card
RAC-960PMF	
RAC-852	All Cards
HTA-860PMF	
HTA-502	

[Biometric Reader] (Only for PXR-96 finger reader series)

Operation Steps:

- 1. Select Device
- 2. Select Single Card or All Cards.

Single Card : Please input card number which you want to retrieved and then click [Execute]

All Cards : It is highly recommend selecting all cards at first time. After that, operator can retrieve biometric characteristics singly to avoid long time retrieval. (System will take 4~5 minutes for 200 biometric characteristics).

Retrieve Biometric Characteristics					
📴 Exit 📣 Execute					
Access device Biometric Reader					
D∞r					
▶ PXR-96MFSK	Single Card				
	All Cards				

5-13 Remote Open Door

This function is mainly collect access points which support remote open function in a same page and allow operator to remote open door and close door. (Expect recorders and RAC-510, HAC-510, RAC-520, RAC-340, RAC-920, RAC-930 and RAC-820 series) Operation Steps:

- 1. Click [New] to create a group.
- 2. Select the access point which operator wants to remote open and close.
- 3. Click [Open Door] or [Close Door], once system execution is completed, it will display the current status.

File Basic Access Control Attendance Recorder E	levator	Parki	ing TimeAtter	idance Patrol Renoi	rt System Ex	ternal Program	Heln	
Exit Cardholder Info Setting Mifare card Issuance 🐣 Add U							Trop	
Remote Control Setting								
📫 📫 New 🔩 Delete 🥩 Modify	Remote	Control S	Setting					
Name				rse 🖪 Open Door 🌯 Close D	loor			
▶ test								
		Select	Door	Status				
	•		960PMF					
			PXR94ESKL					
			852PEFV					
			940PM					
			2000-1					
			2000-2					

Next Beter All Solutions Copen Doc Select Doc Select Doc <td< th=""><th>≠e Control Setting New ≔k Delete 🥵 Modify</th><th>Remote Control Setting</th><th></th></td<>	≠e Control Setting New ≔k Delete 🥵 Modify	Remote Control Setting	
Select Door Select Image: Completed Progress Completed Image: PSROvESXL 852PEPV Image: Select 940PM Image: Select 2000-1			
Image: Point of the second s	test		
PARABSKL 832PEFV 940PM 20001		Select Door Status	
. 82PEFV . 940PM . 20001			
940PM 2000-1			

5-14 Biometric Reader Setting

Adds fingerprint reader under fingerprint standalone controller or under access control panel

Note : *The fingerprint reader needs to work with software HFES and the fingerprint enrollment FM-800. For more details, please refer to the user manual HFES.

Operation Steps:

- 1. The devices are listed on the left pane, please select the device
 - Access Device(Standalone)
 - Access Device(Control Panel)

 Elevator Devi 	ce
File Basic Access Control Parking	Time and Attendance Elevator Patrol Report System External Program Help rd Issance 🐣 Add Uses Automatic 😭 Renieve Finger Characteristics 🖝 Remote Open Door 👁 Event Monitor 🗙 Close Fingerprint device
	i 🧠 New 🥩 Modify 🔩 Delete 🐠 Parameter 🛓 Data Transmission Controller Name Reader IP Reader Fort Reader Model No. Reader Name Reader ID
- RACCHON - RACCHON - RACCHON ⊖ Elevato Device - HDE-100WS	Image: Standbooker Image: Standbooker Image: Standbooker
	Persaturatut Name Card No Enopoloyee Name
Login ADMIN Current opeartion: Biomet	tric Reader Setting Current Time 2016/8/2 下午 12:01:03

	ring Time and Attendance Elevator Patrol Report System External Program Help
	ue card issuance 🐣 Add Users Automatic 🤹 Retrieve Finger Characteristics 🖝 Remote Open Door 👁 Event Monitor 🗶 Close
Device	Fingerprint device
□- Access Device (Standalone) □ - RAC960PMF	📫 New 🧊 Modify 👒 Delete 🌾 Parameter 💈 Data Transmission
RAC820PMF	Controller Name Reader IP Reader Port Reader Model No. Reader Name Reader ID
RAC820PMFV	
- RAC2000WS	
RAC4600	
-RAC2000WSN	
RAC2400N RAC4600N	
- Elevator Device	
-HDE-100WS	
	🖾 🗈 Cardholder 🛛 🗙 Delete Cardholder 🔍 Fingerprint data query
	Department Mone Employee
	Department Name Card No Empployee

Enter the window of biometric reader, select the reader model number, enter reader 3. name, IP and Port, then click [Save] to add.

File Basic Access Control Parking	Time and Attendance Elevator Patrol Report System External Program Help
	al Issuance 🚓 Add Users Automatic 😪 Retrieve Finger Characteristics 🛛 🔐 Remote Open Door 💿 Event Monitor 🛛 🗶 Close
Device	Fingerprint device
- Access Device (Standalone)	📑 New 🦈 Modify 🔩 Delee 🛷 Parameter 📱 Data Transmission
Login ADMIN Current opeartion: Biomet:	Linc Reader Setting Current Time 2016/82 下午 01:03:51

💀 Fingerprint device	
Device	
Device Name	
RAC960PMF	
Fingerprint device	
PXR-82MFS 👻	
Fingerprint device	
Reader Name	
PXR82MFS	
P	
172.16.40.83	
Port	
4660	
Save Exit	

	Time and Attendance I						
L. Exit = Cardholder Info Setting 💫 Mifare card Device	l Issuance 🐣 Add Users Automat - Fingerprint device	ic 🤹 Retrieve Finger Cha	racteristics 🛛 🛶 Re	mote Open Door 💿 Event N	donitor 🗙 Close		
Access Device (Standalone)	Pingerprint device	an i A Davarrana - Dav	o Trononcionion				
- RAC960PMF	Controller Name	·	Reader Port	Reader Model No.	Reader Name	Reader ID	
	►1 RAC960PMF			PXR-82MFS	PXR82MFS	Reader ID	
RAC852PMFV	FACSOUPME	172.10.40.83 4	1000	PAR-82MF5	PAR82MES	1	
	🕴 🚨 Cardholder 🛛 💥 Delete Ca	rdhölder 🔍 Fingerprint o					
	Department Nan Name Nan	ne Card No	Empploy ID	œ			
ogin ADMIN Current opeartion: Biometr	ric Reader Setting Curr	ent Time 2016/8/2 7	下午 01:05:01				

🔹 🕵 Exit 📑' Cardholder Info Setting 🍡 M Device	uking Time and Attendance Elevator Patrol Report System External Program Help fifae and Esuance 🚔 Add Uses Automatic 📽 Reutere Finger Chanstenistics 👘 Remote Open Door 👁 Event Monitor 🗙 Goose Programma divide	
Acces Device (Standbare) PACEDEMT PACEDEMTV PACEDEMTV PACEDEMTV PACEDEMTV PACEDEMTV PACEDOMS PACEDOMS PACEDOMS PACEDOM PACEDO	Moldy & Deler (* Pannee) Don Transmission Concoller Name Reader Profile Parameters Reader Model No. Reader Name Reader ID Reader Setting Directory Version Cardbolder & Deler Card Oppartment Name Name Pragmptator Card Sviping + Fingerprint (on card) Fingerprint or Card Sviping - Card Sviping + Fingerprint (on card) Fingerprint or Card Sviping Card Sviping + Fingerprint (on card) Engerprint or Card Sviping Card Sviping + Fingerprint (on card) Engerprint or Card Sviping Card Sviping + Fingerprint (on card) Engerprint or Card Sviping Card Sviping + Fingerprint (on cardor)	

5. Click [Read] to retrieve reader's parameters to systems, select the parameter, then click [Set] to download to reader.

Hardware Setting : This function supports to set ID directly for the biometric models without dip switch to set ID.

Matching modes of fingerprint device : (Do not support the finger vein device.)

- Card Swiping + Fingerprint (On Card) : Need to use a specific reader (Only for PXR-81/82 Fingerprint readers).
- Fingerprint or Card Swiping + Fingerprint : Matching modes by fingerprint only or by card swiping + fingerprint.
- Fingerprint or Card Swiping : Matching modes by fingerprint or by card swiping
- Card Swiping + Fingerprint (On reader) : Matching mode by card swiping + fingerprint only.

Voice Prompt :

- Chinese : Chinese voice.
- English : English voice.

4.

💀 Reader Parameter Setting	
🛛 🔀 Read 🗰 Set	
Hardware Setting D	
1	
Version	
PXR-82MFS 4.02 2016/06/23(8)	
-Matching modes of fingerprint device	
Card Swiping + Fingerprint (on card)	
Fingerprint or Card Swiping + Fingerprint	
Fingerprint or Card Swiping	
Card Swiping + Fingerprint (on reader)	
Voice Prompt	
Ohinese	
🔘 English	

6. Click [Cardholder]. and then click department first to show all members in the department then select the cardholder.

Shortcuts: Use Ctrl + Mouse for multiple selections or Shift+ Mouse for consecutive selections then click [Select] and then click [OK] to complete it.

L. Exit ≡' Cardholder Info Setting '≧ Mifare can evice ∃- Access Device (Standalone)	Fingerprint device	-		e Opën Door	 Event Monitor 			
RAC-960PMF Access Device (Control Panel)	Controller Name	Reader IP	Reader Port	Reader M	odel No.	Reader Name	Reader ID	
Elevator Device	M RAC-960PMF	172.16.42.60	4660	PXR-82M	=s	Door 1	1	
	i de la companya de l	Cardholder		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 5	x k Revease Name test002 test003 test004 test004 test006 test006 test007 test008 test009 test010 test011 test012 test014 test012 test015 test016 test015 test016 test017	Card No 00000000 00000000 00000000 00000000 0000	Emp No 00003 00003 00004 00005 00006 00007 00006 00009 00000 00010 00011 00012 00013 00014 00015 00015 00015	

RAC300FMF RAC30FMF RAC30FMFV RAC30FMFV RAC30FMFV	MF Controller Name Reader IP Reader Port Reader Model No. Reader Name Reader ID MFV MFV N RAC0800FM/F 172.16.4.0.03 4660 PAR422MFS PAR422MFS 1 WS WS WS N Reader ID PAR422MFS PAR422MFS 1 WS N N Reader ID PAR422MFS PAR422MFS PAR422MFS 1 WS N N Reader ID PAR422MFS PAR422MFS 1 WS N N Reader ID PAR422MFS PAR422MFS 1 WS N N Reader ID PAR422MFS 1 1 B 000000000 0000050000 1000000000 1 1 1 B B 1000000004 000005006 10				🗙 Delete 🚺 Param	neter 💻 Data Tran	smission				
L RACS2PMFV Acces Device (Crited Panel) RAC4000 Reaction	MFV WS WS			_	Reader	IP Reade	r Port Reader I	Model No.	Reader Name	Reader ID	
Acces Device (Cantol Fand) RAC000WSN RAC400N RAC40N RA	 (ControlPanel) WS WSN N N S² WS Catholder ★ Delee Catholder ▲ Fingerprint data quesy Eacholder ★ Delee Catholder ▲ Fingerprint data quesy Name Cathol B Fingerprint data quesy B 10000000 00005000 100000000 		▶1	RAC960PMF	172.16.4	40.83 4660	PXR-821	MFS	PXR82MFS	1	
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38 100000000 000000000 2 BB 100000002 000000002 3 BB 1000000004 0000000004	b1 BB 100000000 100000000 2 BB 100000004 000050002 100000004 3 BB 100000006 000050006 100000004 4 BB 100000006 000050006 100000006 5 BB 100000006 000005008 100000006 6 BB 100000010 000050010 100000010			Department	Name	Card No.	Empployee				
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	6 EB 100000010 0000050010 100000010										
	7 BB 100000012 100000012					0000050010	100000010				
7 BB 100000012 0000050012 1000000012			7	BB	1000000012	0000050012	100000012				

7. If case of need to delete cardholders, please select the cardholders then click

[Delete Cardholder].

RAC960PMF RAC820PMF	Controller Name	Reader IP Reader Por	Reader Model No.	Reader Name Reader ID	
RAC820PMFV RAC832PMFV RAC822PMFV RAC900WS RAC2000WS RAC2000WSN RAC4600N RAC4600N RAC4600N RAC460N HDE-100WS	Department Name Na 1 BB 100 2 BB 100 3 BB 100 4 BB 100	ame Calor NO I 00000000 0000050000 10 00000002 0000050002 11 000000004 0000050004 11 00000006 0000050006 11	PXR-82MFS	DU SUITE TO DELETE IT?	

 After completing the selection of the cardholders, click "Download" to choose devices to download. Allows to select all devices (meaning download to all devices) or select one device (meaning download to the selected device). then click [Download All] or [Modification] to download the authorizations to all or selected devices.

File Basic <u>Access Control</u> ■. Exit = Cardholder Info Setting Device — Access Device (Standalone)	3 Mifare card Issuance Fingerpo		🤹 Retrieve Finger	Pattern 🛶 Remo	External Program – i e Open Door 💿 Event Mon			
Access Device (Control Panel) Access Device (Control Panel) Elevator Device	M	Controller Name RAC-960PMF	Reader IP 172.16.42.60	Reader Port 4660	Reader Model No. PXR-82MFS	Reader Name Door 1	Reader ID	
		Select None Z Select Reader Name Status Door 1	► Reverse ED	ownload All <mark>=</mark> 'M	odification			
							-	
				_		_		

9. Click "Fingerprint data query" to check whether the users' authorizations have been downloaded successfully

If the message box shows "Query Successful", it means all authorizations have been downloaded successfully

	Controller Name	e Reade	r IP Read	er Port	Reader Model No.	Reader Name	Reader ID
м	RAC960PMF	172.16			PXR-82MFS	PXR82MFS	1
: .	Cardholder 🛛 🗙 I	Delete Cardholder 🕻	🔍 Fingerprint data q				
	Department Name	Name	Card No	Employ ID			
▶1	ABC	403	000000403	00403		x	
2	ABC	404	0000000404	00404			
3	ABC	405	0000000405	00405		successful	
4	ABC	406	0000000406	00406		ОК	

6. Parking

6-1 Parking Hardware Setting

6-1-1 Parking Setting

Operation Steps :

- 1. Go to "Add Parking Controller" workspace.
- 2. Input device ID and name
- 3. Communication type : Select COM PORT or TCP/IP. For COM PORT, please make sure the COM PORT number and baud rate is 19200. For TCP/IP, please input IP address and port
- 4. Select Anti Mode. Default is none.
 - Anti-pass back Mode :
 - 0. None: Does not use Anti-pass back function. (Default)
 - 1. Gate 1 In/Out only: Access only in Gate 1.
 - 2. Anti by Reader
 - 3. Gate 1 In/Gate 2 Out

Model	Mode	Gate Relay and
		Reader action
HDP-100	1(Control single Gate)	Gate1 IN & Out. (Reader1 and Reader 2 for
		IN & Reader 3 and Reader 4 for OUT)
HDP-100	2(Control two Gates)	Gate1 IN (Reader1) & OUT (Reader 2)
		Gate2 IN (Reader3) & OUT (Reader4)
HDP-100	3(Control two Gates)	Gate1 IN (Reader1 、2 for IN)&
		Gate2 OUT (Reader3 、4 for OUT)

5. Click 「Save」 to save the settings. Click 「Time」 to read device time and to ensure if system is connected with the device.

dd hubeg Concide (*) Mode (*) Conce (*) (*) Concert (*) Concert (*) (*) Concert (*) (*) Concert (*) (*) Concert (*) (*) (*) (*) (*) (*) (*) (*) (*) (*)		etting 🍡 Mifare card Iss	wance 🐣 Add Users Av	utomatic 🤹 Retrieve Fing	er Pattem 🛛 🛶 Remote O	Report System en Door 👁 Event Monitor	Help	
D Name Controller Time Cantent Time Ant Mode: None Communication Type OOM © TCP/IP Pot Pot Baudrate	dd Parking Controller 📫 1				ameter			
Ant Mode: None Time Ant Mode: None Communication Type OOM © TCP/IP Paddress Port Baudrate		_						
Anti Mode: None Communication Type COM © TCP/IP Paddeess Port Brodate		D	Name	Controller Time	Cunent Time	Time		
Communication Type OMM FORT: Bankare			Maria			This		
OOM TCP/IP IP address Port Port		Anti Mode:	INORE	×.				
Port Port				D .11				
OOM FORT:		MCD O	TCP/IP	IP accuress				
Rawkate				Port				
Bawhate		COM PORT:						
		Bandrate	~					
		Daudran	~					

6. Click Order may sort the devices.

🛚 😫 Order

🔜 Order		
Exit	🛉 Up 봊 Down	🔛 Save

6-1-2 Parameter 1

It is mainly to modify follow device parameters. Operation Steps :

- 1. Select the controller on the left panel.
- 2. Go to Parameter 1 workspace.
- 3. Tick the check box to modify the parameter :
 - Disarm code with card number : To disable the alarm, users need to press disarm code then swipe card.
 - Cover stored records : Select to overwrite data or stop saving data when the storage limit is exceeded.
 - Swipe duress card and press duress code : To activate alarm, user needs to swipe duress card then press duress code.
 - Warning alarm when stored record buffer is 90% full : When stored records are reaching 90% full, system will activate a warning alarm.
- 4. Click Save and please download the parameter for the settings to take place.

File Basic Access Contro	
	🖹 Milfare card Issuance 🚔 Add Users Automatic 🧐 Retuieve Finger Patera 🛛 🖝 Remote Open Door 🐵 Event Monitor 🖌 🗙 Close
	fyr 🔹 Delee 🕐 Oncel 🔤 Save 🗑 Set Parameter 😨 Read Parameter
B1	HW Detail List Parameter 1 Parameter 2 Station
	Disam code with card number?
	Cover stored records?
	Swipe duress card and press duress code?
	Warning alarm when stored second buffer is 90% full.
Login ADMIN Current opeartion: Park	」 「 Setting Current Tume 2014/3/11 千午 02 47 19

6-1-3 Parameter 2

It is mainly to modify follow device parameters. Operation Steps :

- 1. Select the controller on the left panel.
- 2. Go to Parameter 2 workspace. •
- 3. Parameter contents :
 - Master Card : This number is allowed users into setup mode. Kindly refer to hardware manual.
 - Duress Card : Alarm will be activated and gate barrier will be opened upon swiping duress card.
 - Duress Code : Alarm will be activated and gate barrier will be opened upon pressing duress code.
 - Disarm Code : Deactivates alarm upon inputting disarm code.
 - Number of re-swipe card to signal warning : Allowed error times of re-swiping the same card. To enable this function, "Max. re-swipe invalid card to ceases system" function should also be activated.
 - Max. no. of valid card: : Default is 10000pcs, maximum is 15000pcs.

*** Changing valid card quantity, will re-allocate the memory of the controller. All old records and authorization in the controller will be cleared!!

- Retrieve Valid Code Index : The index digit of retrieve valid card no.
- Retrieve Valid Code Length : How many digits you want to retrieve of valid card no. Ex: Card No. is 1234567890, valid code index is 2, length is 6. The retrieve valid card no. will be 234567. Please note, in cardholder information, the card no. should be 234567 too, otherwise the Gate will not open.
- Compare Valid Code Index : The index digit of compare valid card no.
- Compare Valid Code Length : How many digits you want to compare. Ex: Card No. is 1234567890, if compare index is 1, compare length is 3. Valid cards with number starting with 123 will be granted access.
- Max. re-swipe invalid card to ceases system : How many seconds the device will stop working when re-swiping invalid card. After a certain period of time, the device will function again. This function works hand in hand with "Number of re-swipe card to signal warning" Function.

4. Click [Save] and please download the parameter for the settings to take place.

		r <mark>Parking T</mark> ime Attendance Patrol Report System External Progra Iomatic 😪 Retrieve Finger Pattern 🔐 Remote Open Door 👁 Event Monitor 🗙 Coce	m Help
	iy 🔩 Delete 🕐 Cancel 🔛 Save 📾 S		
B1	HW Detail List Parameter 1 Parameter 2 Master Card	Station Valid Card Accommodate	
	30191000		
	Duress card 1190	Retrieve Valid Code Index	
	Duress Code 1190	Retrieve Valid Code Length	
	Disama Code 0000	Compare Valid Code Index	
	Permit Reading Error Times	Compare Valid Code Length	
	Max. re-swipe invalid card to ceases sys	m	

6-1-4 Station

It is mainly to modify gates' name.

Operation Steps :

- 1. Select the controller on the left panel.
- 2. Go to Station workspace.
- 3. Input Gate name.
- 4. Enter open duration for the barrier gate. (The default setting is 4 seconds)
- 5. Click \lceil Save \rfloor to save the settings.

	Elevator TimeAttendance Patrol Report System External Program Help
	l Issuance 🐣 Add Users Automatic 🤹 Retrieve Finger Pattern 🛛 💣 Remote Open Door 💿 Event Monitor 🛛 🗶 Close
	al Save 🕐 Cancel 📲 Order 🗰 Set Parameter 📓 Read Parameter
HDP-100 HW Detail Lis	x Parameter 1 Parameter 2 Station
Gate 1	
Gate Name	
Door 1 Ope	en Time(Sec)
Gate 2	
Gate Name	A
Gat Ivan	
Door 2 Op	en Time(Sec)
Login ADMIN Current opeartion: Parking :	Setting Current Time 2015/7/27 下午 02:57:40 # # # # # # # # # # # # # # # # # # #

6-2 Time Zone

Parking time schedule setting is combined with Access control time schedule settings. Please refer to 5-4 Access Control Time Schedule Setting.

6-3 Parking Auth. Setting

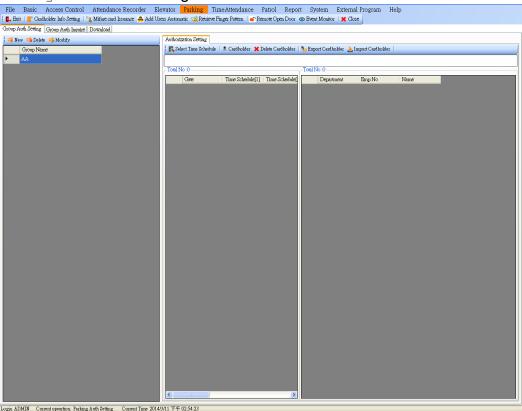
Before setting parking authorization, please download time zone and time schedule to the device in advance.

The parking download function is combined with Access control download. Please refer to 5-5 Access Control Download.

6-3-1 Group Authorization Setting

It is mainly to create access group and assign users authorization. **Operation Steps**:

- 1. Click $\lceil New \rfloor$.
- 2. Input group name.
- 3. Click \lceil Save \rfloor to save the setting.



Login ADMIN Current opeartion: Parking Auth Setting Current Time 2014/3/11 下午 02:54:23

4. Go to \lceil Time Schedule \rfloor . Tick doors which you want to authorized.

Hint: Speedy Selection: Press CTRL key and select doors by mouse or press SHIFT key and select doors successively by mouse.

Group Auth Setting Group Auth Ingu		Jees Automatic 😭 Retrieve Finger Pattenn 🖝 Remote Open Door 👁 Event Monitor 🗙 Close					
; - New - Delete Modify Group Name	_	Authonization Setting					
► AA		· Panat mu annual - annual - annual - mhar annual - mhar annual					
		Total No 0 Total No 0					
		Gate Time Schedule[1] Time Schedule] Department Emp No Name					
	🔜 Select Time Schedule						
	Time Schedule	🖉 Set 🗆 Reverse Select OK. Cancel					
	2	Gate Time Schedule[1] Time Schedule[2] Time Schedule[3] Time Schedule[4] Time 0000000003 1					
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						
	13						
	14						
	15						
	16						

- 6. Go to [¬]Cardholder _⊥ . Tick the department then you will read cardholder list which belong the department. And then you can start to tick the cardholders.
- 7. Click 「Save」 to save the setting. If want to delete the selection, please remove the tick.

After setting completed, click $\[\]$ Export Cardholder $\]$, system will produce a txt file base on the setting. The file only includes cardholder name and authority by department. This file may import to system and use for other group authorization

uth Setting Group Auth Inquire Download w 🥩 Modify 🔫 Delete	Authorization Setting							
Group Name	Select Time Schedule	Cardholder 🔀 D	elete Ca	dholder 🛛 🍡 E	rport Cardholder	. Import Cardho	lder	
1111	Select Cardholder							
	OK Cancel					E	Name	
	Department	Cardh	older			_		
	whundure06	: 🗹 S	elect All	🔲 Select Non	e			
	ABC			Name	No	^		
		1		David1	00001			
		2	V	David2	00002	_		
		3		David3	00003			
		4	V	David4	00004			
		5	V	David5	00005	_		
		6		David6	00006	_		
		7		David7	00007			
		▶8		David8	00008			
		9		David9	00009			
		10		David10 David11	00010			
		11		David11 David12	00012	_		
		12		David12 David13	00012			
		15		David15 David14	00015			
		15		David14 David15	00015	_		
		16		David16	00016			
		17		David17	00017			
		10		D	00010			

HUNDURE

6-3-2 Group Authorization Inquire

Enquire user's authorization. Specify the range according to Group, door and User name. Report provides print function and can be converted to TXT or XLS format for other application.

Operation Steps :

- 1. Check dynamic drop-down menu, you will read group, door, time schedule and name.
- 2. Click \lceil Search \lfloor .

Gro	up:	-	Gate	- Na	me:	- Q.S	learch			
٠	📄 📧 Title	Group Auth Inquire								
	Group	Gate	Name	Time Schedule[1]	Time Schedule[2]	Time Schedule[3]	Time Schedule[4]	Time Schedule[5]	Time Schedule[6]	Time Schedule[
	aa	0000000015	AMY16	1	2	3	4			
	aa	0000000015	AMY17	1	2	3	4			
	aa	0000000015	AMY18	1	2	3	4			
	aa	0000000015	AMY19	1	2	3	4			
	aa	0000000015	AMY20	1	2	3	4			
	aa	0000000015	AMY21	1	2	3	4			
	aa	0000000015	AMY22	1	2	3	4			
	aa	0000000015	AMY23	1	2	3	4			
	aa	0000000015	AMY24	1	2	3	4			
	aa	0000000015	AMY25	1	2	3	4			
	aa	0000000015	AMY26	1	2	3	4			
	aa	0000000015	AMY27	1	2	3	4			
	aa	0000000015	AMY28	1	2	3	4			

6-3-3 Download

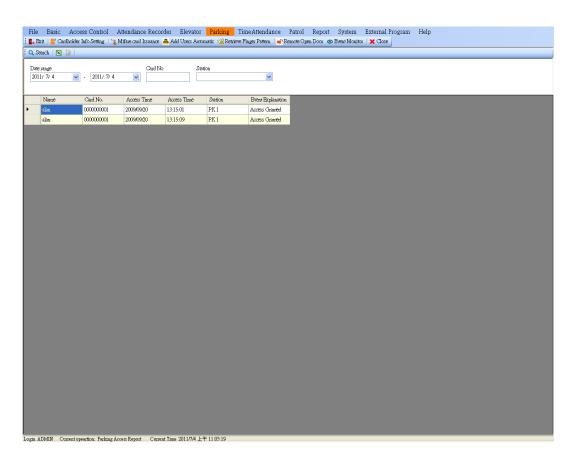
It is mainly to download users 'authorization to device. Operation Steps :

- 1. Select downloading by group auth or by device.
- 2. Select group or device or select "All" to downloading.
- 3. Click \lceil Start floor to start the download.

		tor Parking TimeAttendance Patrol Report System External Program Help
		Automatic 🤹 Retrieve Finger Pattern 🛛 🖝 Remote Open Door 💿 Event Monitor 📔 🗶 Close
	p Auth Inquire Download	
Select Controller All Download Type	💌 🛛 🛃 Download 🔰 🔹 Stop download	Clean All Llowniced Records
 Modification 		
 Download All 		
- Download Option		
All	Time Zone	
Gate Authorization	Time Schedule	
	Holiday	
Lesis ADMINI Committee	eartion: Parking Auth Satting Current Time 2014/2/11	下方 02:00:40

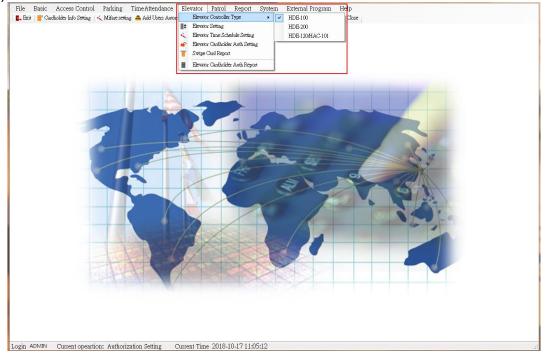
6-4 Parking Cardholder Auth. Report

Report will show cardholder authorizations of parking. Quickly search by date, card number, cardholder name and station. Report can be converted to TXT or XLS format for other application.

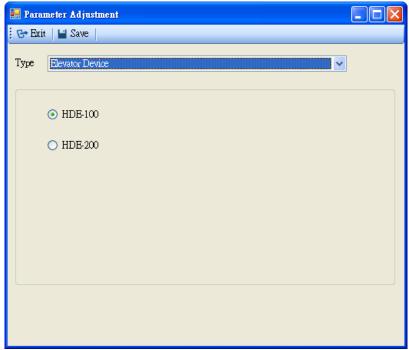


7. Elevator

There are three elevator models. Please select which elevator controller you are using first, and then continue to set parameters and authorization. (HDE-100 is default elevator model.)



Default elevator model is HDE-100. To modify device type, please go to File \rightarrow Parameter Adjustment \rightarrow Elevator Device to select correct model. After click [Save], setting completed.



7-1 Elevator Setting (HDE-100)

Elevator setting includes add new controller, set communication, and modify parameter and reader

7-1-1 Add HDE-100

Operation Steps :

- 1. Set the elevator name of HDE-100.
- 2. Select MCU model number and enter the number of MCU expansion panel connected with HDE-100.
- 3. Click $\lceil OK \rfloor$ to save the settings. Or Click $\lceil Cancel \rfloor$ to delete the setting.
- Note:HDE-100 maximum controls 64 floors and 4pcs of digital output controller. The ID of digital output controller should be 3~6. If connect MCU-0016 and MCU-0008 with a HDE-100 at the same time, MCU-0016's ID must be front of MCU-0008.
- Ex: ID3 and ID 4 are MCU-0016, ID5 is MCU-0008, please select MCU-0016, amount are
 - 2. Then go to 7-1-4 Floor setting to add MCU-0008. The system will get corresponding
 - ID automatically.

Elevator Name (HDE-100) HDE-100 OK Cancel	🔡 Hint	
Amount	Elevator Name (HDE-100)	Select Digital Output Controller
	HDE-100	✓ MCU-0008
	OK Cancel	

7-1-2 Hardware Detail List

Set communication between HDE-100 and PC.

Operation Steps :

- 1. Select a model from the left panel and click $\ ^{\lceil}$ Modify $_{\perp}$.
- 2. HDE-100's ID should be unique.
- 3. Communication type : Select COM PORT or TCP/IP. When using COM PORT, please make sure the COM PORT number and baud rate is 19200. When using TCP/IP, please input IP address and port
- 4. Click 「Save」 to save the settings. User can click 「Time」 to make sure if system is connected with device. If Time Synchronization to All failed, system will generate a log report under C:\Program Files\HAMS-24, named ErrorLog.txt. Kindly refer to appendix for error code .

		Recorder <mark>Elevator</mark> Parking TimeAttendance Patrol Report System External Program Help ance 🚔 Add User Automatic 😭 Retrieve Finger Paren i 🖝 Renove Open Door 🐵 Event Monitor 🗶 Chose
	levator Name	HW Detail List Parameter Reader Setting Floor Setting
HDE-100 H	IDE-100	Time HW ID EL Name Controller Time I HDE 100 Image: Controller Time Communication Type Image: Controller Time Image: Controller Time O COM IP Address Image: Controller Time
		© TCP/IP Port
		OM FORT: Daudate 19200
Login ADMIN Current opear	rtion: Elevator Setting Currer	at Time 2014/3/11 上午 11:15:08

5. Click Order may sort the devices.

🛿 🗣 Order 🛛 📩 Time Synchronization to All

🔛 Order		
🗄 😁 Exit	🛉 Up 🤳 Down	🔛 Save

6. Click Time Synchronization to All may correct all devices' time once.

7-1-3 Modify Parameter

Please click 「Read」 to retrieve current device parameter.

Operation Steps :

- 1. Select the controller on the left panel
- 2. Click $\lceil Modify \rfloor$.
- 3. Go to "Parameter" workspace.
- 4. Parameter contents :
 - Relay Time : MCU relay activation time (Default : 10 seconds).
 - Disarm Code : When alarm happens, it can be deactivated if the disarm code is entered. (Default code is 0000).
 - Delay time (sec) of duplicate read card : It works with "Alarm work when Read Duplicate Card". Default is 0 second which will not activate the alarm.(0~255 seconds)
 - Warning alarm when stored record buffer is 90% full : When stored records are reaching 90% full, system need activate alarm.
 - Are you sure to activate without valid card : Allow swipe any card to active MCU relay. Default is agreed.
 - Alarm work when Read Duplicate Card : Time period from first swipe to second swipe is set through "Delay time (sec) of duplicate read card".
 - Index: The index digit of retrieve valid card number.
 - Length: How many digits you want to retrieve of valid card no.
 Ex: Card NO. is 1234567890, valid code index is 2, length is 6. The retrieve valid card no. will be 234567. Please note, in cardholder information, the card no. should be 234567 too, otherwise the door will not open.
- 5. Click 「Save」 to save the setting. Then please upload the parameters. If upload failed, system will generate a log report under C:\Program Files\HAMS-24, named ErrorLog.txt. Kindly refer to appendix for error code description.

File Basic Access Control Parking	TimeAttendance Elevator Patrol Report System External Program Help
🗄 🖺 Exit \mid 📑 Cardholder Info Setting 🛛 🔩 Mifare card Is	suance 🐣 Add Users Automatic 🤹 Retrieve Finger Pattern 🛛 💣 Remote Open Door 💿 Event Monitor 🛛 🗶 Close
🛛 📫 Add Elevator 🧊 Modify 🔩 Delete Controllor	🕍 Save 🕐 Cancel 📲 Order 🏧 SET All 🏡 Time Synchronization to All
Model Elevator Name	HW Detail List Parameter Reader Setting Floor Setting
▶ HDE-100 01	Set Read Warning alarm when stored record buffer is 90% full.
	Relay Time(Sec) Are you sure to activate without valid card?
	10 Alarm work when Read Duplicate Card?
	Disarm Code Index
	Delay time(Sec) of duplicate read card Length
	0
Login ADMIN Current opeartion: Elevator :	Setting Current Time 2016/4/8 下午 03:10:39

7-1-4 Reader Setting

Only Mifare reader needs to set parameter. User can select to read Mifare serial card number or read from specific block of Mifare card.

Operation Steps :

- 1. Select the controller on the left panel and click $\ ^{\lceil}$ Modify $_{\perp}$.
- 2. Go to "Reader Setting" workspace and input reader ID which you want to modify.
- 3. Modify value (Mifare card parameters have been set in Parameter Adjustment workspace)
 - Card Format : Select Key A or Key B. If user select read serial number, please ignore the following parameters.
 - Retrieve Valid Code (Index) : The index digit of retrieve valid card number.
 - Retrieve Valid Code Length : How many digits you want to retrieve of valid card number. This works with the previous parameter Retrieve Valid Code (Index)
 - Compress Card No. : Compressed or not. Default value is 0. To modify the value, please go to File → Parameter Adjustment → Mifare Reader → Compress.
 - Block Key : Default is key A value. For modify the key value, please go to File → Parameter Adjustment → Mifare Reader → Key A.

4. Click \lceil Save \rfloor and \lceil Set \rfloor to download the setting to HDE-100.

File Desis Assess Control Attendence	Recorder Elevator Parking TimeAttendance Patrol Report System External Program Help			
S Exit III Cardholder Info Setting I 💫 Mithre and Isonance 🐥 Add Urens Automatic 🎲 Renierre Finger Fattern I 🖝 Reniere Finger Fattern I 🖝 Reniere Finger Fattern I 🖝 Reniere Finger Fattern I 🐨 Reniere Finger Fattern I 👘 Reniere Finger Fattern I Reniere Finge				
Model Elevator Name	HW Deal List Parameter Reader Setting			
HDE-100 HDE-100	Mifare Card Reader Setting			
100100	Set			
	Card Format Reading No. V Reader ID 1 V			
	Retrieve Valid Code (Index)			
	Retrieve Valid Code (Length) 15			
	Compress Card No. ?			
	Read Block 0			
	Block Key			
Logic (DMD) Connect execution: Elevator Static				
Login ADMIN Current opeartion: Elevator Setting Current	SIL 1908 2014(SIL1 1 T 11.10.22			

7-1-5 Floor Setting

Add or delete digital output controller (MCU-0008 or MCU-0016). And set MCU relay and follow-up functions.

Operation Steps :

- 1. Click 「Add MCU」. (If you already select MCU, please ignore step 1 and 2.)
- 2. Select amount of MCU-0008 or MCU-0016, then $\ ^{\lceil}$ OK $_{\perp}$.
- 3. Rename the floor name and tick the box to start MCU relay. (Press right mouse-key to select all box to mark all or clear all to unmark the selections).
- 4. Click \lceil Save \rfloor to save the settings.

	ccess Control Attendance							m Help	
	der Info Setting 浅 Mifare card Iss					Event Monitor	: 🗙 Close		
	Modify 🛋 Delete Controllor								
Model	Elevator Name		t Parameter Reader Setting Flo		_				
 HDE-100 	HDE-100	MCU: MCI		MCU Delete MCU	Save				
		No	Floor name	Start					
		1	1F						
		2	2F						
		3	3F						
		4	4F						
		<i>I</i> 5	5F						
		6	NoName						
		7	NoName						
		8	NoName						
		-							

7-2 Elevator Time Schedule Setting (HDE-100)

7-2-1 Time Schedule Setting

Set time zone and time schedule. Definable 128 sets of time zone and schedule. User can design different group for flexible access control. Click 「Modify」 to start the setting.

Time Zone Setting :

- 1. Click \lceil Modify \rfloor of time zone setting.
- 2. Input time (format: HHMM). Ex.: Time start from 0000 and 2359 for time end.
- 3. Click \lceil Save \rfloor to save the setting. To delete data, please click \lceil Delete \rfloor .

Time Schedule Setting :

- 1. Click \lceil Modify \rfloor of time schedule setting.
- 2. Input time schedule name first. To set the time zone for each day, enter the time zone number (row number) with the desired time setting.
- 3. Click \lceil Save \rfloor to save the setting. To delete the record, please click \lceil Delete \rfloor .

Holiday Setting :

Holiday is meaning National holiday or specific date.

- 1. Click 「New」.
- 2. Input holiday date. Format is YYYYMMDD. Then set time zone by specifying the time zone number(row number) with the desired time setting.
- 3. Click \lceil Save \rfloor to save the settings.

Ele	vator Ti	me Schedule S	etting															
G+ Ex	it																	
ïme S	chedule 3	Setting Unrestri	cted Setting															
Time	Zone Set	ting			Time	Schedule	Setting								Holid	lay Setting		
Mod	lify Can	cel Save Cance			Mod	lify Can	cel Save Cancel								New	Modify Save	Delete Cancel	
	No.	Time Start	Time End	^		No	Description	Mon	Tue	Wed	Thu	Fri	Sat	Sun 🔺		No.	Holiday	Time Schedule
	1	08:00	17:00	_	•	1	AA							0	•	0000000001	20140101	3
	2	15:00	16:00	=		2		0	0	0	0	0	0	0	, ·		20140101	P
	3	00:00	23:59			3		0	0	0	0	0	0	0				
	4					4		0	0	0	0	0	0	0				
	5					5		0	0	0	0	0	0	0				
	6					6		0	0	0	0	0	0	0				
	7					7		0	0	0	0	0	0	0				
	8					8		0	0	0	0	0	0	0				
	9					9		0	0	0	0	0	0	0				
	10					10		0	0	0	0	0	0	0				
	11					11		0	0	0	0	0	0	0				
	12					12		0	0	0	0	0	0	0				
	13					13		0	0	0	0	0	0	0				
	14					14		0	0	0	0	0	0	0				
	15					15		0	0	0	0	0	0	0				
	16					16		0	0	0	0	0	0	0				
	17					17		0	0	0	0	0	0	0				
	18				<	-	1	1		1	-		1					

7-2-2 Unrestricted Setting

Under unrestricted time, there's no need to swipe card and cardholders are granted free access to all floor levels.

Operation Steps :

- 1. Click $\lceil New \rfloor$.
- 2. Select elevator, time schedule and access type.
- 3. Select floor level name. User can press Shift or Ctrl key and mouse for multiple selection.
- 4. Click 「Save」 and 「Set to controller」. Before setting to controller, time zone, time schedule and holiday setting must be downloading to controller beforehand.

Access Type description :

- Card Swipe Disabled : The system will grant or deny access based on the time schedule. Top priority is unrestricted time schedule and ignores holiday settings.
- Disable Card Swipe on Holiday : The system will grant or deny access based on the time schedule. But disable card swipe on holiday.
- Card Swipe on Holiday : The system will grant or deny access based on the time schedule. But on holiday, the access authorization based on holiday settings.
- Note : HDE-100 only support 63 sets of unrestricted times. The system has been locked and only supports serial no. 1-63 of time schedule.

🛃 Elevator Time Schedule Setting				
Exit				
Time Schedule Setting Unrestricted Setting				
🔋 💷 New 📑 Modify 📑 Delete 🔛 Save	e 👌 Cancel 📧 Set to Cotroller			
Elevator Name HDE-100	Time Schedule	Access Type Card Swipe Disabled Card Swipe Disabled Disable Card Swipe on Holiday Card Swipe on Holiday Card Swipe on Holiday Process Type		
Floor Level Name	Floor Level Name	Card Swipe on Holiday Piccess Type		
1F				
▶ 2F				
3F				
4F				
5F				

7-3 Elevator Cardholder Auth. Setting (HDE-100)

It defines cardholders' authorization and downloads to HDE-100. An elevator provides a time schedule, when change time schedule to one of floor, the previous settings will be covered by new time schedule.

7-3-1 Add Elevator Authorization

Set cardholder's authorization Operation Steps :

- 1. Select a cardholder or quickly search by cardholder name.
- 2. Select the elevator to access.
- Tick the box to select the access floors. Tick the box to select all floors or clear all to unmark the selections.
- 4. Select time schedule.
- 5. Holiday Access : When this function is activated, the access priority is holiday settings.
- 6. Click 「Setting」 and the cardholder with the assigned floor will be shown on the workspace below. Click 「Delete」 to delete the authorization. (User can press Shift and Ctrl

		🔍 🤉 Search			Celect None 🖬 Se ice – HDE-100	elect 🔲 Reverse 🛼) 🔹 🛃 Do		ime Schedule A	~		
	Namë	Emp No			Elevator Name	Floor Name	A TROUGH	Monday	0800 - 1700		
•	DAVE1	1		•	HDE-100	1F		Tuesday	0800 - 1700		
	DAVE2 DAVE3	2 3			HDE-100	2F		Wednesday	0800 - 1700		
	DAVE3	4			HDE-100	3F		Thursday	0800 - 1700		
	DAVE4	4			HDE-100	4F		Friday	0800 - 1700		
	DAVE6	6			HDE-100	5F		Satursday			
	DAVE7	7						Sunday			
	DAVE8	8									
	DAVE9	9						Holiday Acce	52		
	DAVE10	10									
	DAVE11	11									
	DAVE12	12									
	DAVE13	13									
	DAVE14	14									
	DAVE15	15									
	AMY16	16									
	AMY17	17	_								
	AMY18	18	_								
	AMY19	19	_								
	AMY20	20	- 11								
	AMY21	21									
	AMY22	22	- 11								
	AMY23	23	~								
<.	Select All 🔀 Sele	ect None 🛛 🎦 Delete									
	Name	Emp. No.	Elevator 1	Vame	Floor Name	Time Schedule	Holiday Acce	55			

- 7. Click [Copy] may copy authorization to other cardholders.
 - Ignore cardholder who already has authorization: Once the cardholders have authorizations already, system will ignore the cardholder.
 - Keep original and add extra authorizations: System will check if it is no repeat from current authorizations, system will add extra authorizations to cardholders.
 - Fully Overwrite: Delete all authorizations and using copy file.
- 8. Go to Floor Group auth. setting workspace.
 - Download : Select download all or download to specific elevator. Tick the check boxes to select elevator with which you want to download.
 - Download Type : Download modified data only or download all data.
 - Download Option : User can select download all options or select single option.
 - Click 「Download」 to download the data 。

🔜 Floor Group auth. Setting			
Exit			
 Download All Download to Specific Elevator Download Stop Elevator HDE-100 	Download type Modification Download All Message	Download Option Select All Authorization	 Time Zone Time Schedule Holiday
	,		

7-4 Swipe card report (FOR All Elevator Control)

Lists swiped card records. Specify the range of swipe card records according to Cardholder name, Card number, Department, Date, Device Name and Door.

me	Department									
e 2009/09/17/00	.00.00 🔽 - 200	9/09/17 23:59:59	✓ Device Nam	e	· Door:	-				
📄 💌 Head	line of Report: Swipe	Card Report		1						
Device Name		Department	Name	Emp No	Card No	Date	Time Swiped	Event Explanation	InOut	
940PE	940PE		ələn		0000000001	2009/09/17	11:57:26	Access Granted		
940PE	940PE		alan		0000000001	2009/09/17	11:57:33	Access Granted		

Note: All elevator control panels may use this report.

7-5 Elevator Cardholder Auth. Report (HDE-100)

Report will show all cardholder authorizations of every elevator. Quickly search by cardholder or card number. Report can be converted to TXT or XLS format for other application.

Name	•	Card No		🔍 Search 📑 📔 🗵	🛾 🛛 🔂 Exit		
	CardNo	EmpID	Name	DeviceName	DepName	FloorLevelAuthoriz	Grou
•	1954129034	00002	A001	MCU0008-3	1		3F
	1954129034	00002	A001	MCU0008-3	1	:	2F
	1954129034	00002	A001	MCU0008-3	1	:	1F
	4567	0001	A002	MCU0008-3	1		8F
	1954037706	0001	A002	MCU0008-3	1		8F
	4567	0001	A002	MCU0008-3	1		7F
	1954037706	0001	A002	MCU0008-3	1	,	7F
	4567	0001	A002	MCU0008-3	1	6	F
	1954037706	0001	A002	MCU0008-3	1	6	F
	4567	0001	A002	MCU0008-3	1	:	5F
	1954037706	0001	A002	MCU0008-3	1	:	5F
	4567	0001	A002	MCU0008-3	1		4F
	1954037706	0001	A002	MCU0008-3	1		4F

Note : For swipe card report and event records of HDE-100, please go to Report→ Hardware Event report or Swiped card Report.

7-6 Elevator Setting (HDE-200/200N)

Include add new controller, set communication, modify parameter, reader and floor setting.

7-6-1 Add HDE-200/200N

Operation Steps:

- 1. Click [New], and then select communication type.
- 2. Input device name, device ID, device model and elevator amount. The elevator amount can not modify after saving. Please input correct number from beginning. To modify the amount, user need re-add a new hardware. The elevator amounts may affect MCU amounts, kindly refer to hardware manual for more configuration information.
- 3. Click [Save] to save the settings.

Elevator Setting	
Comm. Type	Parameter
Port	Port
O IP	СОМ1
	Baudrate
	19200
Device Name	
Device ID	
1	\$
Device Model	
HDE-200	✓
Elevator Amount	
1	*
Highest Floor: 160	
Save Exit	

Select the controller, modify parameter Operation Steps:

- 1. Select the controller on the left side.
- 2. Click [Read] to read back current parameter.
- 3. Modify the parameter.
- 4. Click [Save] and [Set] to saving and download the settings.

Parameter contents:

- Overwrite Swipe Card Records: User may select overwrite or do not store records or when stored records reach 90%, system will activate a warning alarm to remind user to retrieve records. Default is YES which signifies when stored records full, system may overwrite store records.
- Access without Valid Card: Allow user access by any card. Default is YES which is mainly for engineer maintenance or install testing before download cardholder authorization.
- Set Time: Input date and time by user.
- Time Sync: Synchronize time by PC
- Version: System will show hardware version.
- Polling ID: HDE-200 will save current slave device ID in the memory and polling with them continued.
- Activate Relay Time Function: Default is tick the box. When tick function, system may allow users to read and set MCU relay time.
- Active Unrestricted Time Function: Default is tick the box. When tick function, system may allow users to read and set unrestricted time schedule.

	Attendance Recorder Elevator Parking Time Attendance Patrol Report System External Program Help
	🍇 Mikue can Lisuance 🐣 Add Users Automatic 😭 Retrieve Finger Patten. 🖝 Remote Open Door 🐵 Brent Monitor 🗶 Close
📫 New 🥩 Modify 🔩 Delete	i 🖉 Save
HDE-200N Belevator_[1]	HDE-200N(172.16.42.03:3195@1)
	Overwrite Swipe Card Records
	Yes 🗸
	Access Without Valid Card
	Yes
	2014/03/11 13:14:48
	Set Time Time Sync
	Version Polling ID
	Read Set
	🗹 Activate Relay Time Function
	Crivate Unrestricted Time Function
Login ADMIN Current opeartion: Elevate	or Setting Current Time 2014/3/11 下午 01:14:50

7-6-2 Modify Parameter

There are two worksheets, Include Elevator Parameter and Reader Parameter.

Elevator Parameter

Operation Steps:

- 1. Select the elevator on the left side and Input elevator name.
- 2. Select open or close slave reader.
- 3. Set relay time. It is MCU relay action time. Default is 10 seconds.
- 4. Flooring setting:
 - Tick MCU check box to activate MCU. A MCU controls 16 floors.
 - Select the floor which user wants to modify and click [Modify].
 - Tick box of Start, which signifies to enable this floor. And user may define floor name, set access type and time schedule of this floor.

Elevator Q'ty (Reader Q'ty)	Control Floor Amount / per elevator	Max. MCU Q'ty	MCU ID
1	160	10	1,2,3,4,5,6,7,8,9,10
2	112	7	2,3,4,5,6,7,8
2	112	7	9,10,11,12,13,14,15
		4	3,4,5,6
3	64	4	7,8,9,10
		4	11,12,13,14
		3	4,5,6
4	48	3	7,8,9
	70	3	10,11,12
		3	13,14,15
		2	5,6
		2	7,8
5	32	2	9,10
		2	11,12
		2	13,14
6	16	1	6

	1	7
	1	8
	1	9
	1	10
	1	11
	1	7
	1	8
	1	9
16	1	10
	1	11
	1	12
	1	13
	1	8
	1	9
	1	10
16	1	11
I O	1	12
	1	13
	1	14
	1	15
	16	$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$

5. Click [Modify] may modify the settings.

Floor Name: User-define the name

Access type:

- Card Swipe Disabled: For a specific time schedule, floors may access without card swiped. Do not refer to Holiday schedule.
- Disable Card Swipe on Holiday: Weekday may follow time schedule settings and close all floors in holiday.
- Card swipe on Holiday: Weekday may follow time schedule settings. And follow holiday schedule in the holiday
- Freedom: All floors may grant access without swiping a card

Time Schedule: Select unrestricted schedule or 63sets time schedule. (Refer to Elevator Time Schedule Settings)

- 6. Click [Save] to saving the settings.
- 7. Go back to device main page and click [Set] to download the setting to controller.

HDE-200N	Elevator Parame	er Reader P	kramétér			
Elevator_[1] HDE-200	Elevator Name		Relay Time(
Elevator_[1]		vator_[1]		10 🛟		
Elevator_[2] Elevator_[3]	Slave Reader Open	~	Node ID	0,16		
	-Flooring settin			0,10		
	Unique ID		Floor Name	~	MCU Node: 1	
	1		[01]		MCU Node: 2	
	2	~	[02]		VCU Node: 3 MCU Node: 4	
	3	~	[03]		MCU Node: 5	
	4		[04]		VCU Node: 6 MCU Node: 7	
	5		[05]		MCU Node: 8	
	6	V	[06]		V MCU Node: 9	
	7	V	[07]		Modify	
	8	v	[08]		Flooring Info	
	9	~	[09]		✓ Start	
	10	V	[10]		Floor Name	
	11	v	[11]		[01] Access Type	
	12	~	[12]		Card Swipe Disabled	
	13	~	[13]		Time Schedule	
	14		[14]		Disable	
	15	 	[15]		OK	
	16	~	ាត			

Note: There are two parameters in Elevator parameter worksheet, "Activate Relay Time Function" and 'Active Unrestricted Time Function".

Follow photo shows A part and B part:

→ When tick "Activate Relay Time Function", once click button [Polling ID], system may set and read A part parameter.

→ When tick "Active Unrestricted Time Function", once click button [Polling ID], system may set and read B part parameter.

✓ ➡ Modify ➡ Delete HDE 200	Save	
HDE-200 © Elevator [2] © Elevator [1]	Bevator Parameter Bevator Name Bevator Parameter Bevator Parameter Bevator Parameter Bevator Parameter Bevator Parameter Bevator Parameter Open Open Viniget D Start Picconse greeting Viniget D Start O(0) MCU Node 4 MCU Node 4 MCU Node 4 MCU Node 6 MCU Node 6 MCU Node 6 MCU Node 7 V MCU Node 8	
	6 V (06) 7 V (07) 8 V (08) 9 V (09) 10 V (10) 11 V (11) 12 V (12) 13 V (13) 14 V (14) 15 V (15) 16 V (16)	

Reader Parameter

Operation Steps:

- 1. Select the elevator on the left side.
- 2. Modify the parameter directly.
- 3. Click [Save] and [Set] to saving and download the settings to reader.

Parameter contents:

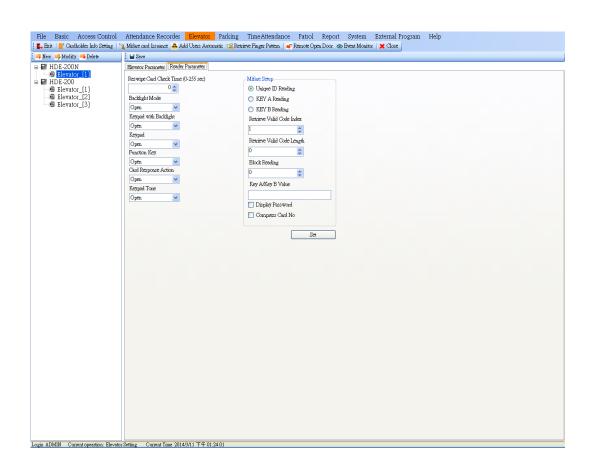
- Re-swipe Card Check Time (0~255 sec): This is the time for checking the card repeatedly. As the time is set, when swiping the card more than once within a preset time, system will deny the access and make a beep sound. Default is 0 second.
- Backlight Mode: Open or close LCD backlight function.
- Keypad with Backlight: Open or close keypad backlight function.
- Keypad: Enable or disable keypad function.
- Function Key: Enable or disable function keys.
- Card Response Action: Enable or disable reading card function.
- Keypad Tone: Open or close keypad tone.

Mifare Setup: Allow the user to set the reading unique ID or block of slave reader.

Operation Steps:

Please modify follow parameter base on Mifare card information.

- 1. Unique ID Reading: Allow user read serial number only. When select this parameter, please ignore follow settings.
- 2. Key A Reading: Login by Key A value.
- 3. Key B Reading: Login by Key B value.
- 4. Retrieve valid code index: The index digit of retrieve valid card number.
- 5. Retrieve valid code length: how many digits you want to retrieve of valid card number. This parameter works hand in hand with "Retrieve valid code index".
- 6. Block Reading: Assigned read allotted block.
- 7. Key A/Key B Value: The value of allotted block
- 8. Display Password: When tick the box, Key A/Key B 's password will display on plain code
- 9. Compress Card No: Default is uncompressing card number. If need compress card number, please tick the check box.
- 10. Click [Set] to downloading the settings to hardware.



7-7 Elevator Time Schedule Setting (HDE-200/200N)

Set time zone and time schedule. Definable 254 sets of time zone and schedule. User can design different group for flexible access control. Click [Modify] to start the setting.

Time Zone Setting:

- 1. Click [Modify] of time zone setting.
- 2. Input time (format: HHMM). Ex.: Time start from 0000 and 2359 for time end.
- 3. Click [Save] to save the setting. To delete data, please click [Cancel].

Time Schedule Setting:

- 1. Click [Modify] of time schedule setting.
- 2. Input time schedule name first. To set the time zone for each day, enter the time zone number (row number) with the desired time setting.
- 3. Click [Save] to save the setting. To delete the record, please click [Cancel].

_													
Zone Se	-				e Schedule	-							
-	ncel Save Cance		_			cel Save Cancel							
No	Start Time	End Time	_	11	No	Description	Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	00:00	23:59	_	►	1	1	2	2	2	2	2	1	1
2	08:00	17:00			2	2	0	0	0	0	0	0	0
3					3	3	0	0	0	0	0	0	0
4					4	4	0	0	0	0	0	0	0
5					5	5	0	0	0	0	0	0	0
6					6	6	0	0	0	0	0	0	0
7					7	7	0	0	0	0	0	0	0
8					8	8	0	0	0	0	0	0	0
9					9	9	0	0	0	0	0	0	0
10					10	10	0	0	0	0	0	0	0
11					11	11	0	0	0	0	0	0	0
12					12	12	0	0	0	0	0	0	0
13					13	13	0	0	0	0	0	0	0
14					14	14	0	0	0	0	0	0	0
15					15	15	0	0	0	0	0	0	0
16					16	16	0	0	0	0	0	0	0
17					17	17	0	0	0	0	0	0	0
18					18	18	0	0	0	0	0	0	0
19					19	19	0	0	0	0	0	0	0
20					20	20	0	0	0	0	0	0	0
21					21	21	0	0	0	0	0	0	0
22					22	22	0	0	0	0	0	0	0

Holiday Setting:

Holiday is meaning National holiday or specific date.

- 1. Click [New].
- 2. Input holiday date. Format is YYYYMMDD. Then set time zone by specifying the time zone number (row number) with the desired time setting.
- 3. Click [Save] to save the settings.

🖶 A	ccess Co	ntrol Time Sche	edule Setting					
B	Exit Pe	riodic Setting Ho	oliday Setting					
- Tim	e Zone Set	ting			Holiday Setting			
1	Modify	🔩 Cancel 🔛 Sa	ave 🕐 Cancel 📔	Advance	🕴 📫 New 🛛 🥵 Modify	🔩 Delete 🔛	Save 🕐 Cancel	
	No	Start Time	End Time		No	Holiday	Time Schedule	
	1	08:00	17:00	E	COCCCCCCC	20170101	2	
	2	00:00	23:59			2001000		-
	3	09:00	18:00					
	4							
	5							
	6							
	7							
	8							
	9							
	10							
	11							
	12			-				
	13			-				
	14			-				
	15			-				
	16							
	17							
	18							
	19			-				
	20			-				
	21			-				
	22			-				
	23							

7-8 Elevator Cardholder Auth Setting (HDE-200/200N)

It defines cardholders' authorization and downloads to elevator control panel. An elevator provides a time schedule to a cardholder. Once modify time zone, system may base on new time zone and modify current time schedule simultaneously.

7-8-1 Group Authorization Setting

Operation Steps:

- 1. Click [New].
- 2. Input group name.
- 3. Click [Save] to save the setting.

	Authorization Setting	
Group Name	Elevator Schedule 🔝 Cardholder 💥 Delete Cardholder	The Export Cardholder 👌 Import Cardholder
	Record:0	Record:0
	Seal Tine Elevator	Department Emp No Name

4. Go to [Elevator Schedule]. Select time schedule and elevator, and then all floors belongs this elevator will appearance. Then select the floor which you want to authorize and click [Set], the check box will be ticked.

Hint: Speedy Selection: Press CTRL key and select floors by mouse or press SHIFT key and select doors successively by mouse.

5. Click [OK].

New 📫 Delete 📫 Modify	Authorizat	on Setting			
Group Name	🛼 Eleva	tor Schedule 🚨 Cardholder 🗙	Delete Cardholder 🛛 🎦 Export Card	dholder 🁌 Import Cardholder 🛛	
AA	Select Elevator Gro	up Schedule			
	OK	ancel Time Schedule	Elevator Elevator_[1]		Name
	🛛 🖉 Set 🗖 Reverse Sel	act			
	Floor\Mail Box\Lo			<u> </u>	
	[01]	1		E	
	[02] [03]	1			
	[04] [04]	1			
	[05]	1			
	☑ [06]	1			
	07]	1			
	[08]	1			
	[09]	1			
	[10]	1			
	[11]				
	[12]				
	[15]				
	[14]				
	[16]				
	[17]				

- 6. Go to [Cardholder]. Tick the department then you will read cardholder list which belong the department. And then you can start to tick the cardholders.
- 7. Click [OK] to save the setting. If want to delete the cardholder authorization, please select the cardholder and click [Delete Cardholder].

After setting completed, click [Export Cardholder], system will produce a txt file base on the setting. The file only includes cardholder name and authority by department. This file may import to system and use for other group authorization

OK Cancel				
Department	Cardho	lder		
□- M hundure06	🛛 🗹 Se	elect All	🔲 Select Non	e
ABC			Name	No
	1	V	David1	00001
	2	V	David2	00002
	3	V	David3	00003
	4	V	David4	00004
	5	V	David5	00005
	▶6		David6	00006
	7		David7	00007
	8		David8	00008
	9		David9	00009
	10		David10	00010
	11		David11	00011
	12		David12	00012
	13		David13	00013
	14		David14	00014
	15		David15	00015
	16		David16	00016
	17		David17	00017
	18		David18	00018
	19		David19	00019
	20		David20	00020
	21		David21	00021

7-8-2 Group Authorization Inquire

Enquire user's access elevator authorization. Specify the range according to Group, door and User name. Report provides print function and can be converted to TXT or XLS format for other application.

Operation Steps:

- 1. Check dynamic drop-down menu, you will read group, time schedule and name.
- 2. Click [Search].

Grot	up:		- Time Schedule:		 Name: 	-	Q Search	
e.	📄 📧 Title	Group Auth Inquire						
	Group	Time Schedule	Elevator	Name				
•	aa	1	[02]	DAVE13				
	aa	1	[02]	DAVE12				
	aa	1	[02]	DAVE11				
	aa	1	[02]	DAVE10				
	aa.	1	[02]	DAVE1				
	aa	1	[01]	DAVE9				
	aa	1	[01]	DAVE7				
	aa.	1	[02]	DAVE4				
	aa	1	[01]	DAVE8				
	aa	1	[02]	DAVE14				
	aa.	1	[02]	DAVE15				
	aa	1	[01]	DAVE6				
	aa	1	[02]	DAVE3				
	aa.	1	[01]	DAVE13				
	aa	1	[02]	DAVE5				
	aa	1	[02]	DAVE6				
	aa	1	[02]	DAVE7				
	aa	1	[02]	DAVE8				
	aa	1	[02]	DAVE9				
	aa	1	[03]	DAVEI				
	aa	1	[02]	DAVE2				
	аа	1	[01]	DAVE15				

7-8-3 Download

It is mainly to download users' authorizations to device.

Operation Steps:

- 1. There are two download methods. Tick "By Group Auth" or "By Device".
- 2. Select the Groups or devices which you want to download.
- 3. Download Type:
 - Download All: Download all users' information and authorizations.
 - Modification: Download modified users' information and authorizations.
 - Time schedule: Include time zone, time schedule and holiday schedule. Tick the check box when first downloading or time zones and schedules are modified.
- 4. Click [Download] to start the download.

		Attendance Recorder						Help		
		浅 Mifare card Issuance A	dd Usens Automatic 👒	Retrieve Finger Pattern	💕 Remote Upen Do	or 💿 isvent Monito	X Close			
Group Auth Setting	Group Auth Inquire	Download								
test		HDE-200N HDE-200		 Download All Modification 						
	(A)		B)	Time Schedule Download						
Select All By Group Au	th	 Select All By Device 								
Login ADMIN Cr	ment oneartion: Elevat	or Cardholder Auth Setting C	ment Time 2014/3/11 T	F年 01-31-18					離 🗉 🔉 🛑	

7-9 Hardware Settings (HDE-120/HAC-101)

This chapter includes Add Controllers, Communication Settings, Parameter Modification, Card Reader Settings, and Floor Settings

7-9-1 Add an Elevator Controller

Operating steps to add an elevator controller and set communication parameters :

- 1. Click "Add Elevator" then select the Comm. Type :
- Comm. Type : Select COM PORT or TCP/IP; If COM PORT selected, then select the COM Port the PC uses, Baud rate 19200 ; If TCP/IP selected, then enter IP address and Port Number
- 3. Enter Device Name, ID (Default 1)
- 4. Select the actual model no. according to actual device

	eAttendance Elevator Patrol Report System External Program Help
_	Add Users Automatic 🤹 Retrieve Finger Pattern 🖌 🖌 Remote Open Door 💿 Event Monitor 🔀 Close
🚅 Add Elevator 📑 Modify 式 Delete 🖬 Save 🛚 Order	c I
HW Detail List Syste	em Parameter Function Set Elevator Parameter Flooring setting
HWD	Add Device
EL Name	Comm. Type Parameter Port IP
Communication T	P Port
IP Address Port	
	Device Name
	Device ID
	Device Model
	Save Exit
Login ADMIN Current opeartion: Elevator Settin	ng Current Time 2018-07-06 17:48:10

7-9-2 Communication Settings

Set the communication mode between controller and PC

Operating Steps :

- 1. Select the controller going to be modified
- 2. Click "Modified"
- 3. Modify the communication settings, e.g.: Comm. Type
 Device Name / ID ...etc.
- 4. Click "Save"

Ribe Basic Access Control Parking TimeAttendance Blevators Patrol Report System External Program Help Dati Catholie InScetting Add Dees Automatic Retrieve Finger Parm Renne Open Dox Benat Monitor X Case Add Elentric Modify Deel List Function Sc System Parameter Booing setting HW Deal List Function Sc Biographic Parameter Blevator Parameter Booing setting HW DE Login ADMIN Current operation: Elevator Setting Current Time 2018-10-17 11:11:51			
Add Elevator in Mohity in Deter in Save it Ovder 120-01 HW Detel List Function Set System Parameter Blooking setting HW D E. Name HAC-101 0 P 0 P 122.16.35.101 Port 4660 0 0 0 0 0 0 0 0 0 0 0 0 0	File Basic Access Contro	l Parking TimeAtten	ndance Elevator Patrol Report System External Program Help
120-01 HW Deal List Function Set System Parameter Betrator Parameter Flooring setting HW ID Image: Comm. Type Parameter Port P II. Name Image: Port P 1/22-16.35.101 HAC-101 Image: Port P 1/22-16.35.101 Port Image: Port Image: Port 1/20-101 Image: Port Image: Port Image: Port Image: Port Image: Port Image: Port Image: Port Image: Port Image: Port Image: Port Image: Port Image: Port Image: Port Image: Port	🕴 🕵 Exit 🛛 🧧 Cardholder Info Setting	🔍 Mifare setting Add Us	sers Automatic 🤹 Retrieve Finger Pattern 🛛 💣 Remote Open Door 💿 Event Monitor 🛛 🗙 Close
HW ID I IL Nane HAC-101 Community provide a provide a constant of provide a constant	📫 📫 Add Elevator 🥩 Modify 👒 De	lete 🔛 Save 🎚 🕻 Order 🛛	
HW D I E.Name HAC-101 Comm. Type Pot Pot 4660 F Comm. Type Pot 4660		HW Detail List Function Set	t System Parameter Elevator Parameter Flooring setting
I Port HAC-101 Port 4660	HAC-IOI	HWID	- Comm. Twre
I. Nane Image: Constraint of the second		1	
HACIOI			
			© P
		IIACTO	Port
Login ADMIN Current opeartion: Elevator Setting Current Time 2018-10-17 11:11:51			4660
Login ADMIN Current opeartion: Elevator Setting Current Time 2018-10-17 11:11:51			
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Login ADMIN Current opeartion: Elevator Setting Current Time 2018-10-17 11:11:51			
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Login ADMIN Current opeartion: Elevator Setting Current Time 2018-10-17 11:11:51			
Login ADMIN Current opeartion: Elevator Setting Current Time 2018-10-17 11:11:51			
	Login ADMIN Current opear	tion: Elevator Setting	Current Time 2018-10-17 11:11:51

5. If "Order" clicked, you can move up or down the controller's sequence

File Basic Access Control	l Parking TimeAttendance El	<mark>evator</mark> Patrol Report Sys	tem External Program	Help
🗄 🕵 Exit 🛛 📑 Cardholder Info Setting	🛛 🔨 Mifare setting 🛛 🐣 Add Users Automatic	🤹 Retrieve Finger Pattern 🛛 🛶 Remote	e Open Door 💿 Event Monitor 🛛	🗙 Close
🚅 Add Elevator 🛛 😅 Modify 📑 Del	iete 🔛 Sav <mark>e 🛛 🖨</mark> Order 📔			
HAC-101	HW Detail List System Parameter Function	on Set Elevator Parameter Flooring set	ting	
	1			
🖳 Ord	der			
Li 📬 De	xit 🛉 Up 🦊 Down 🔛	Course		

7-9-3 Function Set

To display the device's information and the time sync. function. Operating Steps :

- 1. Click "Read" to retrieve all information about the device's function
- 2. The window will show the contents of function, e.g. device model number, firmware version, number of valid cards...etc.
- 3. Click on Other information, system will show the number of cardholders and the number of card-swiping records.

	🖂 Mifare setting 🐣 Ad	ttendance <mark>Elevator</mark> Patrol Rep Id Users Automatic 🤹 Retrieve Finger Pattern		External Program Help Door © Event Monitor X Close
	≺ Mifare setting 🐣 Ac elete 🔛 Save ∥¢Order	ld Users Automatic 🤹 Retrieve Finger Pattern n. Set 🛛 System Parameter 🛛 Elevator Parameter 🗍	Remote Open Flooring setting Content HAC-101PM 1.4 40000 1 1 0	- ·
Login ADMIN Current opear	19 21 22 23 24 27 32 33 33	No. of holidays schedules Max. Number of Digits (Valid Card) Max. Number of Digits (Password) Capacity for valid card to display message The size of the communication buffers (32Byte) Total Number of Relays Firmware Date No. of elevator floors	2 16 4 8 45 3 2018/04/09 64	

20-01	HW D	etail List Fund	ction Set System Parameter Elevator Pa	rameter Flooring setting	
AC-101	Func	tion Set			Time Sync.
	2 Sec.	Read 🔳 Othe	r information		
		Unique			
		D	Function name	Content	2018/10/17 11:13:52
	•	2	Device Type	HAC-101PM	
		3	Firmware Version	1.4	Set Time
		4	Maximum no. 🔊 valid cards	40000	
		5	Maximum no. of swiped card records	40000	Read Time
		6	Number of Ethemet Ports	1	
		7	Number of RS-485 Posts	1	Time Sync.
		8	Number of RS-232 Ports	0	
		9	Automatic sorting by condemander (1) M	h 1-Ver) 1	
		10	Total number of do Hint		
		11	Number of reader		
		16	AntiPassback The	number of valid cards:	2
		16		number of transactions	
		18	No. of time zones		
		19	No. of holidays sch		
		21	Max. Number of D		ОК
		22	Max. Number of D		
		23	Capacity for valid care to display mess	ige o	
		24	The size of the communication buffers	(32Byte) 45	
		27	Total Number of Relays	3	
		32	Firmware Date	2018/04/09	
		33	No. of elevator floors	64	

Other Parameters :

- Read Time : To retrieve the current time from the device. If retrieved successfully, it will show "read successful" and the current time year-month-day-hour-minute-second
- Set Time : Perform time calibration according to entered time
- Time Sync : Perform time Sync according to the PC clock

7-9-4 System Parameters (Only for HAC-101 Series)

To modify the device's parameters: Operating Steps :

- 1. Select the controller to be modified
- 2. Click "Read" to retrieve the current setting values.
- 3. Modify the parameter setting values
- 4. Click "Set" to make the modifications take effect

Parameter Functions are as below:

[UI Parameters]

- Language Options :
 - English : LCD displays English
 - Traditional Chinese : LCD displays Traditional Chinese
 - Simplified Chinese : LCD displays Simplified Chinese

[Date Format] To select the desired date format

- •YYYY/MM/DD : LCD displays date format in Year/Month/Day
- MM/DD/YYYY : LCD displays date format in Month/Day /Year
- DD/MM/YYYY : LCD displays date format in Day/Month /Year
- •YYYY-MM-DD : LCD displays date format in Year/Month/Day
- MM-DD-YY : LCD displays date format in Month/Day /Year
- DD-MM-YY : LCD displays date format in Day/Month /Year

[LCD Backlight Mode]

• LCD Backlight Mode

 \mbox{Auto} : When swipe a card or press the keypad, the LCD backlight will be activated

- Open : LCD Backlight always stays on
- Close : LCD Backlight always stays off

[Message Stay Duration] The amount of time that the message will stay on LCD (1~255 seconds - 0 means the default value 10 seconds)

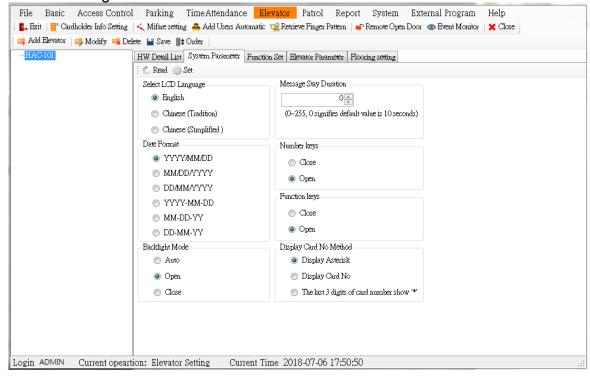
[Number Keys] Enable or Disable the function of number keys

[Function Keys] Enable or Disable the function of "function key" ("Enable" by default to make the function keys F1/F2/F3/F4 operable)

[Display Card No. Method] Select the way to display on LCD after swiping a card

- To display asterisks "*"
- To display the card number

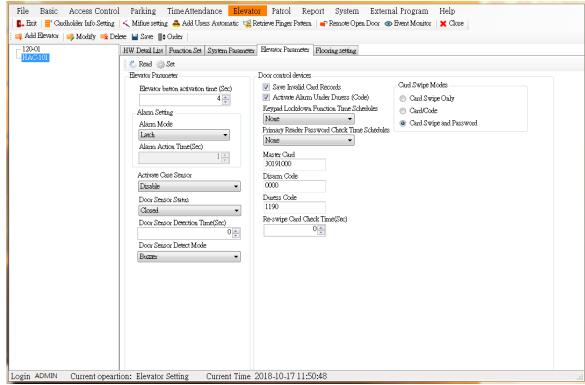
• The last 3 digits of card numbers show "*"



7-9-5 Elevator Parameter

Allows to modify the device's parameters for access control function Operating Steps :

- 1. Select the desired controller to modify
- 2. Click "Read" to retrieve the current setting values
- 3. Modify parameter setting values
- 4. Click "Set" to make the modifications take effect



HAC-101 Function parameters are as below:

Elevator Parameters :

[Elevator button activation time (Sec.)]: Set the door open time of floor. The default is 4 seconds.

[Alarm Setting]

- Alarm Mode :
 - Pulse (Second) : It will return to original state after a pre-set duration
 - Toggle : If an Alarm Relay is triggered, it needs to be triggered again to restore
 - Latch : It will not return to original state until the disarm code entered
- Alarm Action Time : The amount of time for Alarm Relay to act. The default value is 1 second.

[Activate Case Sensor] To enable or disable case sensor. The default is disabled. If

HUNDURE

enabled, the device will sound warning beeps if the device is sabotaged. To deactivate the alarm (warning beeps), the disarm code has to be entered.

[Door Sensor Status] Select the door sensor to be Short-Circuit Action, Open-Circuit action or Disabled(Default)

[Door Sensor Detection Time(sec.)] Set the amount of time to start detecting door left open. The set time starts from the end of door unlocking duration. The default value is 0 seconds. The function needs to be activated to make the door left open function take effect

[Door Sensor Detect Mode] Select the alarm (warning signal) to be issued from buzzer in reader or from an external alarm • The default is from Reader Beep • and need to work with "Door Sensor Detection Time"

e.g : Set the relay time to be 4 seconds, the alarm action time (duration) to be 5 seconds, Door sensor detection time to be 10 seconds, door sensor detect (alarm) mode to be "Alarm relay".

Description: When door unlocks, in a normal state, the door will relock after 4 seconds; If the door left open or the door can't be relocked with 4 seconds, the system will start counting the time and the alarm will be triggered after 10 seconds if the door is still left open. The alarm goes off for 5 seconds through an external alarm.

Door-control devices :

- Save Invalid card records : Tick it to save invalid card records
- Activate alarm under duress : Tick it to activate alarm under duress to unlock
- Keypad lockdown function time schedules : None or 1~128 time schedules; Set a certain time schedule to lock down the keypad
- Primary Reader Password Check Time Schedules : None or 1~128 time schedules; Set the time schedules for primary reader requiring to press password
- Master Card : Master card number to enter programming mode (Default 30191000); Please refer to user manual for the programming mode
- Disarm Code : Disarm code to deactivate the alarm triggered under duress or external destruction; The default value is 0000 °
- Duress Code : Press the Duress code to unlock door but also activate a (silent) alarm at the same time; The default value is 1190
- Re-swipe card check time (Sec.) : Within the preset duration, if a card is swiped twice, then the second card-swipe will be deemed void and won't be recorded but will make an error sound. The default time (duration) is 0 seconds, but the longest duration can be set 255 seconds

[Card Swipe Modes]

- Card-swipe only : Only swipe a card to unlock
- Card-swipe / Code (Key Press) : Swipe a card or press keys to unlock
- Card-swipe and password : Swipe a card and enter the password to unlock. However, if the password is not built in the cardholder's profile, swiping a card still can unlock the door.

File Basic Access Control Parking Time Attendance Elevator Patrol Report System External Program Help
Exit 🗧 Cardholder Info Setting 🔨 Mifare setting 🚔 Add Users Automatic 🐨 Retrieve Finger Pattern 🍙 Remote Open Door 💿 Event Monitor 🗙 Close
📫 Add Elevator 🚭 Modify 🔩 Delete 🔛 Save \$\u00e9 Order
HAC-101
🕴 Read 🥋 Set
- Elevator mode
Normal mode
Manually call elevator car (48 floors); Automatically call elevator car (48 floors)
Manually call elevator car (48 floors); Automatically call elevator car (48 floors) by card swipe
Elevator Parameter Setting
Elevator button activation time (Sec)
The lobby floor
V Save Invalid Card Records
Login ADMIN Current opeartion: Elevator Setting Current Time 2018-10-17 11:46:37

HDE-120 Function parameters are as below:

[Normal mode] : Manually call elevator car (96 floors)

[Manually call elevator car (48 floors); Automatically call elevator car (48 floors)]:

The system provides manual or automatic call elevator functions of 48 floors (the number of floors is reduced to 48). The automatic call function needs to be used with CMR-66 to control 48 floors. When the floor level is selected from CMR-66, the elevator will arrive at the selected floor level.

[Manually call elevator car (48 floors); Automatically call elevator car (48 floors) by card swipe]: The system provides manual call car function of 48 floors or automatic call eleva-

tor

by swiping card function of 48 floors (the number of floors is reduced to 48). In the automatic call by swiping card function, after swiping card, the authorized floor level can be selected according to the card authorization.

Elevator Parameter Setting :

[Elevator button activation time (Sec.)] : That is relay activation time. (the default is 10 seconds).

[The lobby floor] : Floor 1~48 can be selected.

[Save Invalid Card Records] : When the check box is ticked, the invalid card records are saved.

7-9-6 Floor Settings

Provides the modifications of floor settings

Operating Steps :

- 1. Select the elevator name first
- 2. Click "Read" to retrieve the current settings
- 3. Enter each floor's name. Decides whether to restrict access on holidays and whether the floor is activated by ticking the checkbox.

Note: Unrestricted Setting indicates the time period is specified and holiday control is ticked. This means the area is unrestricted in the specified time period; you can swipe your card to press the floor button. During holidays, the area is unrestricted at the time period set by Universal Holiday Setting.

4. Click "Set" to take effect

File Basic Access Cor	ntrol Pa	urking	TimeAttenda	ance Elevator	Patrol Report	Syster	m External Program Help
🗄 🕵 Exit 🛛 📑 Cardholder Info Sett	ting 🔨 M	lifare settin	g 🐣 Add User:	s Automatic Retriev	e Biometric Characte	ristics ୶	" Remote Open Door 🛛 💿 Event Monitor 🛛 🗙 Close
📫 Add Elevator 🛛 📫 Modify 📑	🖌 Delete 📔	Save 📕	Order				
HDE-120	HWI	Detail List	Function Set	System Parameter Elev	rator Parameter Flo	oring setting	z
HAC-101	1.0	Read 🍥	Set 🗹 Enable	All 🔲 Disable All 📋			
		No	Floor Name	Unrestricted Setting	Holiday Access	Start	
	•	1	Lobby	24H •	-		
		2	NoName	None -	· 🔲		
		3	NoName	None 🔹	· 🔲		
		4	NoName	None -			=
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		15	NoName	None -			
		16	NoName	None			
		17	NoName	None -			
		18	NoName	None -			
		19	NoName	None -			
		20	NoName	None			
		21	NoName	None			
		22	NoName	None	· 📃		
		23	NoName	None			
Login ADMIN Current op	eartion: 1	Elevator	Setting (Current Time 2020	-08-07 11:00:27	/	

7-10 Elevator Time Schedules Settings (HDE-120/HAC-101)

7-10-1 Time Zones / Time Schedules Settings

Provides 1~128 time zones & time schedules for setting and allows free combinations. You must click "Modify" first before performing settings

Operating steps for setting time zones :

- 1. In time zone setting, press "Modify"
- 2. In the No. 1of the time zone, enter start time 0000 and end time 2350 (Time format: Hour Minute)
- 3. If the time is not continuous, please click "Advanced". One day can be divided into 8 sections at most.
- 4. Click "Save"; if you would like to clear the settings to start over again, you can click

"Cancel"

-		e Setting												- Holiday Se		
	Zone S	-			Time Schedule Setting Advance											
-	loany		Save 🕐 Cance	Advance :		Save OC	ancei								Sector Modif	
	No Time Time End			🖳 Time Zone Set	🔄 Tue	Wed	Thu	Fri	Sat	Sun	Universal Holiday	ń	No	00000001	Holida	
	0	00:00	23:59	Exit 🖬 Sav	/e							Setting		▶ 000	10000001	20180
Þ	1		17:00			1	1	1	1	0	0	2	E			
	2	09:00	18:00	Time Zone:1		0	0	0	0	0	0	0				
	3	00:00	00:00	1: 08:00	- 17:00	0	0	0	0	0	0	0				
	4	00:00	00:00	2:	-	0	0	0	0	0	0	0				
	5	00:00	00:00	3:		0	0	0	0	0	0	0				
	6	00:00	00:00	4:		0	0	0	0	0	0	0				
	7	00:00	00:00			0	0	0	0	0	0	0				
	8	00:00	00:00	5:		0	0	0	0	0	0	0				
	9	00:00	00:00	6:	-	0	0	0	0	0	0	0				
	10	00:00	00:00	7:	-	0	0	0	0	0	0	0				
	11	00:00	00:00	8:		0	0	0	0	0	0	0				
	12	00:00	00:00			0	0	0	0	0	0	0				
	13	00:00	00:00			0	0	0	0	0	0	0				
	14	00:00	00:00			0	0	0	0	0	0	0				
	15	00:00	00:00			0	0	0	0	0	0	0				
	16	00:00	00:00		16 16	0 0	0	0	0	0	0	0				

Operating steps for setting time schedules :

- 1. In time schedule setting, please click "Modify"
- Enter the time schedule name / description in the field, e.g.: 24-hour control. Fill out "0" from Mon. ~ Sun. The number "0" filled out here corresponds to the number "0" in time zone list
- 3. "Universal-type device holiday setting" : Enter the holiday time schedules for universal-type device in this field for the control basis on holidays.
- 4. Click "Save"; If you would like to clear the settings to start over again, you can click

	chedul																
Time		e Setting															
	Zone S	etting			Time	Schedu	le Setting										Holiday Se
i 🦊 N	/lodify	🔩 Cancel	🖬 Save 😈 Ca	ncel 📃 Advance	i 📫 N	1odify	🔩 Cancel 💧	- Save	UC	ancel							🕴 📫 New
	No	Time Start	Time End			No	Description	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Universal Holiday Setting	ŕ	No ▶ 00
_	0	00:00	23:59			1	1	1	1	1	1	1	0	0	2		
	1	08:00	17:00	E	•	1 2	2	0	0	0	0	0	0	0	0	E	
	2	09:00	18:00			2	3	0	0	0	0	0	0	0	0		
	3	00:00	00:00				3			0	0	0		0	0		
	4	00:00	00:00			4		0	0	-	-	-	0	-	-		
	5	00:00	00:00			5	5	0	0	0	0	0	0	0	0		
	6	00:00	00:00			6	6	0	0	0	0	0	0	0	0		
	7	00:00	00:00			7	7	0	0	0	0	0	0	0	0		
	8	00:00	00:00			8	8	0	0	0	0	0	0	0	0		
	9	00:00	00:00			9	9	0	0	0	0	0	0	0	0		
	10	00:00	00:00			10	10	0	0	0	0	0	0	0	0		
	11	00:00	00:00			11	11	0	0	0	0	0	0	0	0		
	12	00:00	00:00			12	12	0	0	0	0	0	0	0	0		
	13	00:00	00:00			13	13	0	0	0	0	0	0	0	0		
	14	00:00	00:00			14	14	0	0	0	0	0	0	0	0		
	15	00:00	00:00			15	15	0	0	0	0	0	0	0	0		
	16	00:00	00:00			16	16	0	0	0	0	0	0	0	0		

7-10-2 Holiday Setting

The holiday setting function is used to set national holidays or specific holidays Operating Steps :

- 1. Click "New" to add an holiday
- 2. Enter the holiday date. Date format : YearMonthDay. e.g.: 20180101 .
- 3. Click "Save"

ime	chedule . Zone Se	-			Tim	e Schedul	e Setting										- Holiday Setting
Mod	ify Ca	ncel Save Can	cel Advance		M	odify Ca	ncel Save Canc	el									New Modify Save Delete Cancel 🔤 Fixed Holidays
	No 0	Time Start	Time End 23:59	-		No	Description	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Universal Holiday Setting	ŕ	No Holiday
_	1	09:00	18:00	Ε		1	9-18	1	1	1	1	1	0	0	.Setting	Ξ	
	2	00.00	00.00		Ľ	2	24H	0	0	0	0	0	0	0	0		
	3	00:00	00.00			3	3	0	0	0	0	0	0	0	0		
	4	00:00	00.00			4	4	0	0	0	0	0	0	0	0		
	5	00:00	00.00			5	5	0	0	0	0	0	0	0	0		
	6	00:00	00:00			6	6	0	0	0	0	0	0	0	0		
	7	00.00	00.00			7	7	0	0	0	0	0	0	0	0		
	8	00:00	00.00			8	8	0	0	0	0	0	0	0	0		
	9	00:00	00.00			9	9	0	0	0	0	0	0	0	0		
	10	00:00	00.00			10	10	0	0	0	0	0	0	0	0		
	11	00:00	00:00			11	11	0	0	0	0	0	0	0	0		
	12	00:00	00.00			12	12	0	0	0	0	0	0	0	0		
	13	00:00	00:00			13	13	0	0	0	0	0	0	0	0		
	14	00:00	00.00			14	14	0	0	0	0	0	0	0	0		
	15	00:00	00.00			15	15	0	0	0	0	0	0	0	0		
	16	00:00	00:00			16	16	0	0	0	0	0	0	0	0		
	17	00:00	00.00			17	17	0	0	0	0	0	0	0	0		
	18	00:00	00.00			18	18	0	0	0	0	0	0	0	0		

Notice :

In time schedule setting, if the field of universal-type device holiday setting is entered with the time zone number, it will become the basis of the universal-type device holiday settings.

e.g.: In the time schedule seting, if you entered "1" (9-18) in the fields, entered "0"(00:00~23:59) in the field of universal-type device's holiday settings and entered 20180101 in holiday setting, the universal-type device will deem 20180101 as a holiday and the time schedule will be "0"(00:00~23:59).

1	Enit																			
me	Schedule	Setting																		
Fime	Zone Se	tting			Time	Schedule	Setting										Holid	ay Setting		
Мο	dify Ca	ncel Save Can	cel Advance		Mod	dify Cau	ncel Save Cano	el									Nev	7 Modify Save	Delete Cancel	Fixed Holidays
_	No	Time Start	Time End			11.	Develop	36	Τ.	117.1	-	P :	e.,	a	Universal			No	Holiday	
	0					No	Description	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Holiday Setting		Þ	000000001		
	1	09:00	18:00	Ξ		1	9-18	1	1	1	1	1	0	0	0	Ξ				
	2	00.00	00.00			2	2411	0	0	0	0	0	0	0	0					
	3	00:00	00:00			3	3	0	0	0	0	0	0	0	0					
	4	00:00	00.00			4	4	0	0	0	0	0	0	0	0					
	5	00:00	00.00			5	5	0	0	0	0	0	0	0	0					
	6	00:00	00:00			6	6	0	0	0	0	0	0	0	0					
	7	00.00	00.00			7	7	0	0	0	0	0	0	0	0					
	8	00:00	00:00			8	8	0	0	0	0	0	0	0	0					
	9	00:00	00:00			9	9	0	0	0	0	0	0	0	0					
	10	00.00	00.00			10	10	0	0	0	0	0	0	0	0					
	11	00:00	00:00			11	11	0	0	0	0	0	0	0	0					
	12	00.00	00.00			12	12	0	0	0	0	0	0	0	0					
	13	00:00	00.00			13	13	0	0	0	0	0	0	0	0					
	14	00:00	00:00			14	14	0	0	0	0	0	0	0	0					
	15	00.00	00.00			15	15	0	0	0	0	0	0	0	0					
	16	00:00	00:00			16	16	0	0	0	0	0	0	0	0					
	17	00:00	00:00			17	17	0	0	0	0	0	0	0	0					
	18	00.00	00.00			18	18	0	0	0	0	0	0	0	0					
	19	00:00	00:00			19	19	0	0	0	0	0	0	0	0	-				

4. If the holiday date is fixed per year, then you can use the the function "Fixed Holiday" and enter the holiday date. The date format is "MonthDay" e.g.: 0228

S 7	hedule 3 Ione Set	-			Time	Cohodule	Setting										Holiday Setting
		n oel Save Can	on Advances				n cel Save Can	1								Ē	New Modify Save Delete Cancel V Fixed Holidays
MOOL		Time Start	Time End	•	: NIO	ury ca	ncei save cana	.21				_		_			
	No 0	00.00	23:59	- ĥ		No	Description	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Universal Holiday	ĥ.	No Holiday 000000002 0228
_	1	09.00	18:00	Ξ											Setting		
	2	09.00	0000		Þ	1	9-18	1	1	1	1	1	0	0	0	-	
	2 3					2	24H	0	0	0	0	0	0	0	0		
		00.00	00:00			3	3	0	0	0	0	0	0	0	0		
	4	00.00	00:00			4	4	0	0	0	0	0	0	0	0		
	5	00.00	00:00			5	5	0	0	0	0	0	0	0	0		
	6	00.00	00.00			6	6	0	0	0	0	0	0	0	0		
	7	00.00	00.00			7	7	0	0	0	0	0	0	0	0		
	8	00:00	00:00			8	8	0	0	0	0	0	0	0	0		
	9	00:00	00:00			9	9	0	0	0	0	0	0	0	0		
	10	00:00	00:00			10	10	0	0	0	0	0	0	0	0		
	11	00.00	00:00			11	11	0	0	0	0	0	0	0	0		
	12	00.00	00.00			12	12	0	0	0	0	0	0	0	0		
	13	00:00	00.00			13	13	0	0	0	0	0	0	0	0		
	14	00:00	00:00			14	14	0	0	0	0	0	0	0	0		
	15	00:00	00:00			15	15	0	0	0	0	0	0	0	0		
	16	00:00	00:00			16	16	0	0	0	0	0	0	0	0		
	17	00:00	00.00			17	17	0	0	0	0	0	0	0	0		
	18	00.00	00.00			18	18	0	0	0	0	0	0	0	0		
	19	00:00	00:00			19	19	0	0	0	0	0	0	0	0		
	20	00:00	00:00			20	20	0	0	0	0	0	0	0	0	-	

7-11 Elevator Authorization Settings (HDE-120/HAC-101)

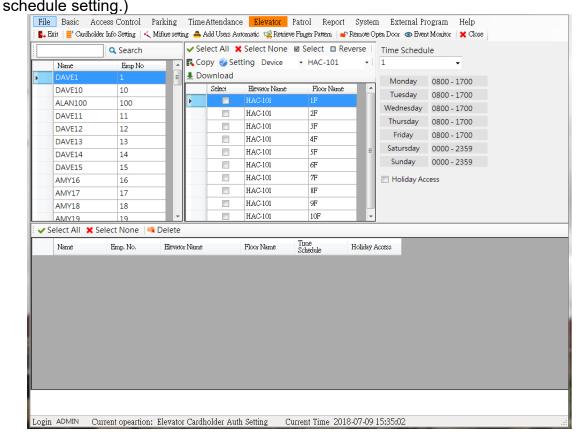
This function is to set individual's elevator floor authorizations and download to controller. Each cardholder can has only one time schedules for each elevator. Therefore, if the new time schedule is applied while setting a new floor authorization, the original time schedules will be changed to the new one.

7-11-1 Add elevator authorizations

Add individual's elevator authorizations:

Operating Steps :

- 1. Select the cardholder. You can enter the cardholder's name and click "Search"
- 2. Select the desired elevator name from the drop-down list
- 3. Select the floors that allow access. You can use "Select All" or "Select None" Tabs
- 4. Select the time schedule, the timeslots of each day of week will come out in the below for preview.
- 5. Select whether to restrict the holiday. If the holiday settings have been configured, the holiday rules will be followed accordingly. (This function is not supported, the holiday restrict set of this model needs to be set by the Universal Holiday Setting in the time



6. Click "Setting" to show the authorizations you just set in the below. You can also click "Delete" (or press Ctrl & Shift) to delete the authorizations.

	Search			tting Device	■ Select ■ Re + HAC-101	- I		•
Name DAVE1	Emp No 1		ownload	serve	1010 101			
DAVE10	10		Select	Elevator Name	Floor Name		Monday	0800 - 1700
ALAN100	100	-		HAC-101	6F		Tuesday	0800 - 1700
DAVE11	110			HAC-101	7F		Wednesday	0800 - 1700
DAVE12	12			HAC-101	8F		Thursday	0800 - 1700
DAVE13	13			HAC-101	9F		Friday	0800 - 1700
DAVE14	14			HAC-101	10F		Satursday	0000 - 2359
DAVE15	15	- 11					Sunday	0000 - 2359
AMY16	16	_					Holiday Ac	cess
AMY17	17						- ,	
AMY18	18							
AMY19	19	-						
lect All 🗙 S	elect None 🛛	Delete						
Name	Emp. No.	Elevator Name		Floor Name	Time Schedule	Holiday A	Access	
DAVEI	1	HAC-101		5F	1	E		
DAVE1	1	HAC-101		4F	1	E]	
DAVE1	1	HAC-101		3F	1	E]	
DAVE1	1	HAC-101		2F	1]	
DAVE1	1	HAC-101		1F	1	E]	

- 7. If "Copy" clicked, it can be copied to other cardholders
 - Ignore cardholders who already has authorizations : Skip those cardholders who already have authorizations.
 - Keep original and add extra authorizations: If the cardholders already have authorizations, the system will check to overwrite the repetitive part and add the new ones if there is no repetition.
 - Fully Overwrite : Delete all existing authorizations and apply the new authorizations.

Copy from:1,DAV	/E1
Copy Item Save Department	 Ignore cardholder who already has authorization Cancel Keep original and add extra authorizations Fully Overwrite Cardholder
- RD19 - RD19 - RD1 - RD1 - RD1 - RD10 - RD10 - RD10 - RD10 - RD13 - RD14 - RD15 - RD16 - RD18 - RD9 - RD2 - RD21 - RD22 - R	

- 8. Click "Download" to enter the download screen
 - Download elevator : Select to download to all elevators (controller) or to specific elevators (controllers) by clicking the desired controllers HDE-100 .
 - Download Type : Select "Modification" for differential download or select "Download all" for all download
 - Download Option : Select the desired items to download. You can tick "Select All" or tick the specific items to download, such as authorizations, time zone, time schedule or holiday

G+ E	Exit				
			Download type	Download Option	
-	Download All		Modification	Select All	Time Zone
Download to Specific Elevator			O Download All	Authorization	 Time Schedule Holiday
	Download	Stop	Message		
	Elevator Name	Download			
Þ	120-01				
	HAC-101				

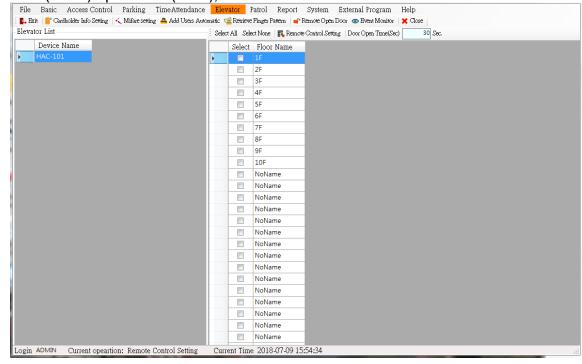
7-12 Elevator remote unlock (HDE-120/HAC-101)

It provides the remote unlock function for choice. (HAMS-10 supported models do not support this function)

Operating steps :

- 1. Select the elevator
- 2. Select the floors; Select remote unlock

3. Door (Floor) open time (Sec.); Default is 30 seconds



7-13 Elevator Authorization Overview (HDE-120/HAC-101)

To display an elevator's authorization report. It can be searched by employee's name, card number and has the functions to preview, print out, and export data in TXT, XLS format.

Narr	ne –	Card No	Q	, Search 블 🗎 📧	🛛 📴 Exit	
	Card No	Emp No	Name	Device Name	Dep Name	FloorLevelAuthori:
,	10	10	DAVE10	HAC-101	RD	5F
	10	10	DAVE10	HAC-101	RD	4F
	10	10	DAVE10	HAC-101	RD	3F
	10	10	DAVE10	HAC-101	RD	2F
	10	10	DAVE10	HAC-101	RD	1F
	1	1	DAVE1	HAC-101	RD	5F
	1	1	DAVE1	HAC-101	RD	4F
	1	1	DAVE1	HAC-101	RD	3F
	1	1	DAVE1	HAC-101	RD	2F
	1	1	DAVE1	HAC-101	RD	1F

7-14 Elevator Setting (HDE-970)

Include add new controller, set communication, modify parameter, reader and floor setting. Note: The HAMS program only supports the elevator function, not the registered mail voice function.

7-14-1 Add HDE-970

Operation Steps:

- 1. Click [New], and then select communication type.
- 2. Input device name, device ID, device model.
- 3. Click [Save] to save the settings.

Add Device	
Comm. Type Port IP	Parameter Port COM1 Baudrate 19200
Device Name HDE-970	
Device ID	
1 Device Model	
HDE-970PM-R	•
Save Exit	

7-14-2 Modify Parameter

Include modify Parameter1, Parameter 2, Time Schedule Setting, Conditional Unlock, Mifare Parameter and Advanced.

Parameter 1

Operation Steps:

- 1. Select the controller on the left side.
- 2. Click [Read] to read back current parameter.
- 3. Modify the parameter.
- 4. Click [Save] and [Set] to saving and download the settings.

[LCD Display Date]

- •YYYY/MM/DD: LCD displays Year/Month/Day.
- •MM/DD/YYYY: LCD displays Month/Day/Year.
- •DD/MM/YYYY: LCD displays Day/Month/Year.

[LCD Status Setup]

Backlight Mode:

- Auto: When swipe card or press keypads, the LCD backlight will activate automatic.
- Open: Always activate of LCD backlight.
- Close: Always inactivate of LCD backlight.
- Return to Ready Status (Sec.): The duration of return to ready status after swiping card.

[Management Mode]

- Floor Management
- Mailbox Management
- Cabinet Management

All settings are same however what kind management mode you selected.

[Keypad Setup]

- Enable Number key: Tick the check box then keypad is enabled.
- Enable Function key: Tick the check box; function keys F1/F2/F3/F4 will be enabled.

Keypad with Backlight

Auto: When swipe card or press keypads the keypad backlight will activate automatic.

Open: Always activate of keypad backlight.

Close: Always inactivate of keypad backlight.

[Retrieve Valid Code]

- Index: The index digit of retrieve valid card number.
- Length: How many digits you want to retrieve of valid card no.
 Ex: Card No. is 1234567890, valid code index is 2, length is 6. The retrieve valid card no. will be 234567. Please note, in cardholder information, the card no. should be 234567 too, otherwise the relay will not activated.

[Compress Valid Code]

- •Index: The index digit of compare valid card number.
- •Length: How many digits you want to compare.

Ex: Card No. is 1234567890, if compare index is 1, compare length is 3. Valid cards with number starting with 123 will be granted access.

[Select LCD Language]

- English: LCD displays English.
- Chinese (Tradition): LCD displays Tradition Chinese.
- Chinese (Simplified): LCD displays Simplified Chinese.

[Set Time]

- Set Time: Input date and time by user.
- Time Sync: Synchronize devices time by PC.
- Version: Read device version

Modify 🐋 Delete	Save HDE-970PM-R (Floor Management) Parameter1 Parameter2 Time Schedule Setting Conditional U	Inlock Mifare Parameter Advanced
	LCD Display Date	Retrieve Valid Code
		Index
		1
	MM/DD/YYY	Length
	◎ DDAMM/YYYY	0
	LCD Status Setup	Compress Valid Code
	Backlight Mode	Index
	 Auto 	0
	Open	Length
	Close	0
	Return to Ready Status (Sec)	
		Select LCD Language
	Management Mode	Inglish
	Floor Management	 Chinese (Tradition)
	Keypad Setup	Chinese (Simplified)
	Enable Number Key	HDE-970PM-R(COM1:19200@1)
	Enable Function Key	
	Keypad with Backlight	2022.01/11 13:01:48 🔍 🗸 Set Time
	 Auto 	Version Time Sync
	Open	
	Close	Read Set

Parameter 2

Operation Steps:

- 1. Select the controller on the left side.
- 2. Click [Read] to read back current parameter.
- 3. Modify the parameter.
- 4. Click [Save] and [Set] to saving and download the settings.

[Sensor NC/NO]

Fire Control Sensor

- N.C: Sensor active level is NC.
- N.O: Sensor active level is NO.

[Case Sensor Alarm]

• Activate Buzzer: Activate buzzer when controller tampers proof.

[Fire Detection]

- Disable: Disable this function.
- Enable: Enable this function.

[Master/Disarm]

- Master Card: required to enter command mode of controller. (Default is 30191000). Kindly refer to hardware manual.
- Disarm Code: When alarm happens, it can be deactivated if the disarm code is entered. Default code is 0000.

[Alarm relay Setup]

- Pulse (Second): It will return to original position within the time you set.
- Toggle: Alarm relay will not return to original position until alarm relay has been activated again.
- Latch: It will not return to original position until disarm code has been entered.

[MCU-0016 Setup]

- Relay Pulse Time: MCU relay activation time. Default is 4 seconds.
- Relay Status:
 - Off: Inactivated.
 - On: Activated.

Toggle: It will change the relay condition after ever time being activated. Pulse: It will return to original position within the time you set.

File Basic Access Control		stem External Program Help
	🔨 Mifare setting 🐥 Add Users Automatic 🤹 Retrieve Biometric Characteristics	💣 Remote Open Door 💿 Event Monitor 🛛 🗙 Close
📫 New 🥵 Modify 🔩 Delete	Save HDE-970PM-R (Floor Management)	
HDE-970PM-R	Parameter1 Parameter2 Time Schedule Setting Conditional Unlock Mifare F	
		Relay Setup
	Fire Control Sensor	lse(Sec)
	N.O •	0.0
	Case Sensor Alarm	agle
	Activate Buzzer 💿 La	
	MCU-	0016 Setup
	Fire Detection Relay.	Pulse Time
		4 💌
	Disable Relay	Status
	Pulse	▼
	Master/Disarm Master Card Displa	IV message
	30191000 Messa	
	Disam Code Read	
		Read
Login ADMIN Current opeartic	n: Elevator Setting Current Time 2022-01-11 16:39:40	

Time Schedule Setting

Operation Steps:

- 1. Select the controller on the left side.
- 2. Click [Read] to read back current parameter.
- 3. Set time zone and time schedule. Definable 128 sets of time zone and schedule. User can design different group for flexible control. Click [Modify] to start the setting.
- 4. Load Default: To set values as default values.
- 5. Save Default: When click this button, system may save current values in a temporary sheet and assume the values are default values.

Ex: There are two controllers, A and B. Set time schedule of A controller and click "Save Default". Go to B controller and click "Load Default", you will read B controller's time schedules are changed and it should same with A controller.

Set Time Zone:

- 1. Point at time zone column and input time. Format is HHMM. Ex: Time start from 0000 and 2359 for time end.
- 2. Click [save] and [Set] to saving and downloading the settings to controller.

Set Time Schedule:

- 1. Point at time schedule column. To set the time zone for each day, enter the time zone number (row number) with the desired time setting.
- 2. Define time schedule name.
- 3. Click [Save] and [Set] to saving and downloading the settings to controller.

HDE-970PM-R					eme											
THE STOLEN I				Time Schedule Set	ing				meter Ad	vanced						
	ll r	Time Zor	ne Setting			- Time S	chedule Se	tting								
		No	Time Start	Time End	^	Time S	Schedule S	etting Holida	y Setting							_
		0	0000	2359	-		No	Name	Mon	Tue	Wed	Thu	Fri	Sat	Sun	<u>~</u>
		1	0000	0000	E		1	[01]	0	0	0	0	0	0	0	=
		2	0000	0000			2	[02]	0	0	0	0	0	0	0	=
		3	0000	0000			3	[03]	0	0	0	0	0	0	0	
		4	0000	0000			4	[04]	0	0	0	0	0	0	0	
		5	0000	0000			5	[05]	0	0	0	0	0	0	0	
		6	0000	0000			6	[06]	0	0	0	0	0	0	0	
		7	0000	0000			7	[07]	0	0	0	0	0	0	0	
		8	0000	0000			8	[08]	0	0	0	0	0	0	0	
		9	0000	0000			9	[09]	0	0	0	0	0	0	0	
		10	0000	0000		>>	10	[10]	0	0	0	0	0	0	0	
		11	0000	0000		<	11	[11]	0	0	0	0	0	0	0	
		12	0000	0000			12	[12]	0	0	0	0	0	0	0	
		13	0000	0000			13	[13]	0	0	0	0	0	0	0	
		14	0000	0000			14	[14]	0	0	0	0	0	0	0	
		15	0000	0000			15	[15]	0	0	0	0	0	0	0	
		16	0000	0000			16	[16]	0	0	0	0	0	0	0	
		17	0000	0000			17	[17]	0	0	0	0	0	0	0	
		18	0000	0000	÷		18	[18]	0	0	0	0	0	0	0	*

Holiday Setting:

Holiday means National holiday or specific date.

- 1. Select the date and click + to adding a holiday.
- 2. Select a time zone from left side and click $\geq >$,
- 3. To delete the holiday, please click to delete it.

File Basic Access Control	Parking TimeAttendance Elevator Patrol Report System External Program Help	
🗄 🕵 Exit 🧮 Cardholder Info Setting •	🔇 Mifare setting 🐣 Add Users Automatic 🤹 Retrieve Biometric Characteristics 🛛 💣 Remote Open Door 💿 Event Monitor 🛛 🗶 Close	
🛛 📫 New 📫 Modify 📑 Delete	Save HDE-970PM-R (Floor Management)	
HDE-970PM-R	Parameter1 Parameter2 Time Schedule Setting Conditional Unlock Mifare Parameter Advanced	
	Time Zone Setting	
	No Time Start Time End Time Schedule Setting Holiday Setting	
	0 0000 2359	
	1 0000 0000 ^E 4 2022年1月 →	
	2 0000 MON TUE WED THU FRI SAT SUN	
	3 0000 0000 27 28 29 30 31 1 2 3 4 5 6 7 8 9	
	4 0000 0000 10 11 12 13 14 15 16 17 18 19 20 21 22 23	
	24 25 26 27 28 29 30	
	6 0000 0000 31 1 2 3 4 5 6	
	7 0000 0000 No Date Time Schedule	
	15 0000 0000	
	16 0000 0000	
	17 0000 0000	
	18 0000 0000	
	Read Set	
Login ADMIN Current opeartio	 n: Elevator Setting Current Time 2022-01-11 16:42:19	

Conditional Unlock Time

To avoid conflict between normal time schedule and unrestricted time (Conditional unlock time), unrestricted time must start from row number 128, and then 127, 126, 125... Due to every time schedule is corresponding a floor. Ex: there are 64 floors and then the time schedule from row 1 to row 64 is used.

	Parking Time Attenda Mifare setting 🐣 Add User 🔐 Save HDE-970PM-1	s Automatic 🤹 Retri	Patrol Report System External Program Help trieve Biometric Characteristics 🔐 Remote Open Door 👁 Event Monitor 🗙 Close nemt]
HDE-970PM-R			g Conditional Unlock Mifare Parameter Advanced
	Name	Schedule 1	Schedule 2
	1 [01]	Disable 🔹	Disable
	2 [02]	Disable 🗸	Disable -
	3 [03]	Disable 🔻	Disable -
	4 [04]	Disable 🔻	Disable
	5 [05]	Disable 🔻	Disable
	6 [06]	Disable 🔻	Disable 🔻
	7 [07]	Disable 🔹	Disable
	8 [08]	Disable 🔹	Disable
	9 [09]	Disable 🔹	Disable
	10 [10]	Disable 🔹	Disable
	11 [11]	Disable 🔻	Disable
	12 [12]	Disable 🔻	Disable
	13 [13]	Disable 🔻	Disable
	14 [14]	Disable 🔻	Disable
	15 [15]	Disable 🔻	Disable
	16 [16]	Disable 🔻	Disable
	1 - 16 17	- 32 33 - 48	49-64
	65 - 80 81	- 96 97 - 112	2 113 - 128
	Read		Set
Login ADMIN Current opeartion:	Elevator Setting	Current Time 202	022-01-11 16:47:12

Advance

Operation Steps:

- 1. Select the device on the left side.
- 2. Click [Read] to get back current parameter values.
- 3. Modify the parameter values.
- 4. After modify values, please click [Set], the settings will be in effect.

[Reader Type]

Base on installation to select reader type. If installation and parameter 's reader type is different, user may not retrieve records success.

- Reader Format (Mifare): Controller supports Mifare card format.
- Reader Format (EM): Controller supports EM card format.
- Slave Reader (T1/T2): Slave reader supports T1/T2 interface. Reader will send 10 digits back to program.
- Slave Reader (Wiegand 26, 8 digits): Slave reader supports Wiegand 26 interface. Reader will send 8 digits back to program.
- Slave Reader (Wiegand 26, 10 digits): Slave reader supports Wiegand 26 interface. Reader will send 8 digits back to program and program add 00 in front of number automatically and display 10 digits to users.
- Slave Reader (Wiegand 34, 10 digits): Slave reader supports Wiegand 34 interface. Reader will send 10 digits back to program.

[Device Status Setup]

- Activate alarm for blacklist card: Tick the check box, the alarm will activate when swipe blacklist card.
- Display card number: Controller will display card number after tick the check box.
- Do not store invalid card record: System will not store invalid card records after tick the check box.
- Cannot overwrite store records: System will stop saving data when the storage limit is exceeded. User need retrieve all data to database first.
- Activate alarm when memory full: When stored records full, system will receive "Memory Full" event. This function works with "Cannot overwrite store records" Function. System will activate a warning alarm.

[Memory Read/Write]

Change memory value from specified block to change controller actions. Please contact with service for details operation. Please do not modify data arbitrary, therefore controller will be abnormal.

File Basic Access Control Parl	king TimeAttendance <mark>Elevator</mark> Patrol Report	System External H	Program Help
🚦 🛃 Exit 🛛 📑 Cardholder Info Setting 🛛 🔨 Mif	are setting 🐣 Add Users Automatic Retrieve Biometric Characte	ristics 🛛 💣 Remote Open Do	or 💿 Event Monitor 🗙 Close
	Save HDE-970PM-R (Floor Management)		_
		Mifare Parameter Advanced	
- F	Reader Type	Memory Read/Write	
	💿 Reader Format (Mifare)	Index	14
	Reader Format (EM)	Length	1
	 Slave Reader (T1/T2) 	Value	
	💿 Slave Reader (Wiegand26, 8 Codes)		Read Set
	 Slave Reader (Wiegand26, 10 Codes) 		
	Slave Reader (Wiegand34, 10 Codes)		
ſ	Device Status Setup		
	Activate alarm for blacklist card		
	Display Card No		
	Do not store invalid card record		
	Cannot overwrite store records		
	Activate alarm when memory full		
	Read		
Login ADMIN Current opeartion: El	evator Setting Current Time 2022-01-11 16:48:26)	

Mifare Parameter

- 1. Unique ID Reading: Allow user read serial number only. When select this parameter, please ignore follow settings.
- 2. Key A Reading: Login by Key A value.
- 3. Key B Reading: Login by Key B value.
- 4. Retrieve valid code index: The index digit of retrieve valid card number.
- 5. Retrieve valid code length: how many digits you want to retrieve of valid card number. This parameter works with "Retrieve valid code index".
- 6. Block Reading: Assigned read allotted block.
- 7. Key A/Key B Value: The value of allotted block
- 8. Display Password: When tick the box, Key A/Key B 's password will display on plain code.
- 9. Compress Card No: Default is uncompressing card number. If need compress card number, please tick the check box.
- 10. After modify values, please click [Set], the settings will be in effect.

File Basic Access Control	Parking TimeAttendance Elevator Patrol Report System External Program Help
	. Mifare setting 🚜 Add Users Automatic 🧏 Retrieve Biometric Characteristics 🔐 Remote Open Door 💿 Event Monitor 📜 🗶 Close
📫 New 🚚 Modify 🔩 Delete	Save HDE-970PM-R (Floor Management)
HDE-970PM-R	Parameter1 Parameter2 Time Schedule Setting Conditional Unlock Mifare Parameter Advanced
	Mifare Setup
	Unique ID Reading
	KEY A Reading
	KEY B Reading
	Retrieve Valid Code Index
	1
	Retrieve Valid Code Length
	0
	Block Reading
	0
	Key A/Key B Value
	Display Password
	Compress Card No
	Set
Login ADMIN Current opeartion	Elevator Setting Current Time 2022-01-11 16:55:10

7-15 Elevator Cardholder Auth Setting (HDE-970)

7-15-1 Group Auth Setting

It is mainly to create access group and assign user authorization.

Operation Steps:

- 1. Click [New].
- 2. Input group name.
- 3. Click [Save] to save the setting.

	ne Attendance <mark>Elevator</mark> Patrol Report System External Program Help Add Users Automatic 🙀 Retrieve Biometric Characteristics 🖬 Remote Open Door 💿 Event Monitor 🛛 🗶 Close
Group Auth Setting Group Auth Inquire Download	
📫 New 🔩 Delete 📫 Modify	Authorization Setting
Group Name	
TEST	🖡 Elevator Schedule 🚨 Cardholder 💥 Delete Cardholder 🛛 🏪 Export Cardholder 🍌 Import Cardholder
	Record:0 Record:0
	Elevatori Mail Box U.c.ker
	BoxLocker
Login ADMIN Current opeartion: Flevator Card	Holder Auth Setting Current Time 2022-01-11 16:58:14

4. Go to [Elevator Schedule]. Select the floor which you want to authorize and click [Set], the check box will be ticked.

Hint: Speedy Selection: Press CTRL key and select floors by mouse or press SHIFT key and select doors successively by mouse.

5. Click [OK].

File Basic Access Control Parking Time Attendance Elevator Park	
Group Auth Setting Group Auth Inquire Download	Select Elevator Group Schedule □ × OK Cancel Image: Select Image: Select Image: Select Image: Select Image: Select Select Image: Select Select Image: Select Select Image: Select Select Image: Select Select Select Image: Select
l	
ogin ADMIN Current opeartion: Elevator Cardholder Auth Setting Curre	ent Time 2022-01-11 16:59:35

6. Go to [Cardholder]. Tick the department then you will read cardholder list which belong the department. And then you can start to tick the cardholders.

Hint: Speedy Selection: Press CTRL key and select doors by mouse or press SHIFT key and select doors successively by mouse.

7. Click [OK] to save the setting. If want to delete the cardholder authorization, please select the cardholder and click [Delete Cardholder].

After setting completed, click [Export Cardholder], system will produce a txt file base on the setting. The file only includes cardholder name and authority by department. This file may import to system and use for other group authorization

Name No 1 V BEAR91 000000091 2 V BEAR92 000000092 3 V BEAR93 000000093 4 V BEAR94 000000094 p5 V BEAR95 000000096 6 BEAR96 000000097 8 BEAR97 000000099 9 BEAR99 000000090 10 BEAR100 000000100
7 BE 8 BE 9 BE

7-15-2 Group Auth Inquiry

Enquire user's authorization. Specify the range according to Group, door and User name. Operation Steps:

- 1. Check dynamic drop-down menu, you will read group, time schedule and name.
- 2. Click [Search].

	- Nam	e:	- 🔍 Search
Group	Elevator\Mail Box\Locker	Name	
TEST	[03]	BEAR94	
TEST	[01]	BEAR92	
TEST	[01]	BEAR93	
TEST	[01]	BEAR94	
TEST	[01]	BEAR95	
TEST	[02]	BEAR91	
TEST	[02]	BEAR92	
TEST	[02]	BEAR93	
TEST	[02]	BEAR94	
TEST	[02]	BEAR95	
TEST	[03]	BEAR91	
TEST	[01]	BEAR91	
TEST	[03]	BEAR93	
TEST	[05]	BEAR95	
TEST	[03]	BEAR95	
TEST	[04]	BEAR91	
TEST	[04]	BEAR92	
TEST	r041	BEAR93	
T231	1041	REAR93	

7-15-3 Download

It is mainly to download users' authorizations to device.

Operation Steps:

- 1. There are two download methods. Tick "By Group Auth" or "By Device".
- 2. Select the Groups or devices which you want to download.
- 3. Download All: Download all users' information and authorizations.
- 4. Click [Download] to start the download.

File Basic Access Control Park	-	Patrol Report System External Program Help viewe Biometric Characteristics 🔐 Remote Open Door 👁 Event Monitor 🔀 Close
Group Auth Setting Group Auth Inquire Down	cad	
TEST	HDE-970PM-R	Download All Download
Select All	Select All	
By Group Auth	By Device	
Login ADMIN Current opeartion: Ele	evator Cardholder Auth Setting	Current Time 2022-01-11 17:02:09:

8. Time Attendance

8-1 Hardware Setting

8-1-1 Add device and set communication

Operation Steps:

1. Click [New], and then select communication type.

- Communication Type: Select COM PORT or TCP/IP. When using COM PORT, please make sure the COM PORT number and baud rate must be 19200. When using TCP/IP, please input IP address and port.
- USB, check this box to allow only one piece of device being connected to PC by USB (This function is only for HTA-500/502 series)
- 2. Input device name and device ID (Default ID is 1).
- 3. Select device model.
- 4. Save the setting. The [Verify Device] is reserved.
- 5. Click [Read] to read back all parameters.

- 6. Click [Copy] and may copy parameter to other same model machines.
 - Copy Parameter: Only copy Siren Timetable and Duty Time Switch Table to selected same model machines.
 - Upload Parameter: System will upload above timetables to selected same model machines individually.
 - Copy and Upload: System will copy and upload current machine's timetables to selected same model machines.

	<mark>andance Recorder -</mark> Elevator Parking TimeAttendance Patrol Report System External Program Help
	are card Issuance 🚔 Add Users Automatic 😭 Retrieve Finger Pattern 🖌 💣 Remote Open Door 💿 Event Monitor 🖌 🗶 Close
Device Vew Modify Delete Sav	
C OCODER	anzeni Parametez Parametez Parametez Parametez Advanced Militar Parametez (aster Card Select LCD Language
- 🖬 852PMF	
850PMF-1	30191000 Chinese (Tradition)
HTA-856	verwrite Swipe Card Records O Chinese (Simplified)
	hoover
S	ave Invalid Card No Exit Execute Controller Name 060PMF
Y	/es Oppy parametrics :
R	eswipe Card Check Tim O Crey and Laload
	Dervice ID Dervice Name Status
R	IS-485 Device Output
	3000
Login ADMIN Current opeartion: Hardware Settin	ng Current Time 2014/3/10 下午 03:22:43

7. Click Order may sort the devices.

l 📲 Order

🔛 Order			
🗄 🔂 Exit	🔶 Up	🖊 Down	🔛 Save

8. Set device time.

- Set time: Input date and time by user.
- All Time Sync: Synchronize all devices time by PC.

8-1-2 Modify Connecting Information

Modify communication parameters and device name.

Operation Steps:

- 1. Select the device on the left side.
- 2. Click [Modify].
- 3. Modify the setting. Like comm. type, device name and device ID.
- 4. Click [Save] to saving modifies. Click [Delete] to delete the device from system.

File Basic Access Control Attendance Recorder Elevator Parking Time Attendance Patrol Report System External Program Help E. Ent 👕 Cardholder Info Setting 🐚 Mifare card Issuance 🚔 Add Users Automatic 📽 Retrieve Finger Pattern 🗬 Remote Open Door 👁 Event Monitor 🗶 Close							
Device New Modify Delete	Save Copy Move A V 22 Parameter1 Parameter2 Parameter3 Parame						
860PEF	Master Card	era Parametero Adv	Select LCD Language				
852PMF	Mases Card		 English 				
		30191000	Chinese (Tradition)				
HTA-856	Overwrite Swipe Card Records		Chinese (Simplified)				
	Uncover	~	Retrieve Finger Pattern				
	Save Invalid Card No.		 Single Card 				
	Yes	Add Device		Retrieve Finger Pattern			
	Reswipe Card Check Time (0-255 sec)-	Comm. Type	Parameter				
		O Port	IP 172.16.42.88	4660@1)			
	RS-485 Device Output	⊙ IP	Port	Set Time			
			4660	Time Sync			
	Close			Set			
				38			
		Device Name	^				
		HTA-860PMF-1					
		Device ID					
		1	\$				
		Device Model					
		HTA-860PMF	Y				
		Save	Exit				
Login ADMIN Current opeartion: Hardwar	re Setting Current Time 2014/3/10 下午 03:23:33	2					

8-1-3 Parameter 1 (HTA-640/HTA-856/HTA-860/HTA-870)

It is mainly to modify recorder's status.

Operation Steps:

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.

4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents:

- Master Card: Required to enter command mode of controller (Default is 30191000). Kindly refer to hardware manual.
- Overwrite Swipe Card Records: System will stop saving records or overwrite records when the storage limit is exceeded.
- Save Invalid Card No: Store or not store invalid card records selection.
- Re-swipe Card Check Time (0-255 sec): This is the time for checking the card repeatedly. As the time is set, when swiping the card more than once within a preset time, system will not record the event and make beep sound.
- RS-485 Device Output: Connect with LCD display, DVR or printer.
- Select LCD Language:

English: LCD displays English

Tradition Chinese: LCD displays Tradition Chinese

Simplified Chinese: LCD displays Simplified Chinese

 Retrieve Biometric Characteristics: Retrieve biometric characteristics from device to database.(For biometric characteristics device only): Single Card: Retrieve single card biometric characteristics. Input card number

first then press [Retrieve].

All Cards: Press [Retrieve] to retrieve all card biometric characteristics. It is highly recommend retrieving all card biometric characteristics at first time. After that, user can retrieve biometric characteristics singly to avoid long time retrieval. (System will take 4~5 minutes for 200 biometric characteristics)

NOTE: Please retrieve all biometric characteristics within no users use machine, especial avoid office hours lest retrieval failed. If retrieval failed, system will have a log file in C:\Program files\HAMS-24\Logs\date.log. Operator may know which retrieval is failed and retrieve it again by "Single Card".

HTA-860PMF	Parameter1 Parameter2 Parameter3 Parameter4 Parameter5 Adv	anced Mifare Parameter
	Master Card Overwrite Swipe Card Records Uncover Save Invelid Card No. Yes	Select LCD Language Figlish Chinese (Fashiron) Chinese (Simplified) Retrieve Biometric Characteristics Single Cand All Cards Retrieve
	Reswipe Card Check Time (0-255 sec)	HTA-860PMF(172.16.42.60.4660@1) 202007/23 11:53:30 • Set Time
	Close	Version Time Sync Read Set

8-1-4 Parameter 2(HTA-640/HTA-856/HTA-860/HTA-870)

It is mainly to modify recorder's status.

Operation Steps:

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.

4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents:

[Card No Status]

- Digits Only: Tick the check box signifies all card number should be digits. If card number with English letters, LCD will display error message after card swiped. If operators do not set how many digits should check, all number should be digits.
- Card No Length: Length of card number should be digits.

[Keypad Setup]

- Enable Number Key: Tick the check box to enable number key.
- Enable Function Key: Tick the check box to enable function keys F1~F4(HTA-640/

HTA-860/HTA-870)/F1~F6(HTA-856).

Keypad with Backlight

Auto: When swipe card or press the keypad, the keypad backlight will activate automatic.

Open: Always activate of keypad backlight.

Close: Always inactivate of keypad backlight.

[Audio Status]

- Enable Audio Prompt: Tick the check box to enable Audio Prompt. (Biometric characteristics machine only)
- Siren Output: Tick the check box to enable siren output.

[Retrieve valid code]

- Index: The index digit of retrieve valid card number.
- Length: How many digits you want to retrieve of valid card no.
 Ex: Card NO. is 1234567890, valid code index is 2, length is 6. The retrieve valid

card no. will be 234567. Please note, in cardholder information, the card no. should be 234567 too, otherwise the door will not open.

[Door Relay Setup]

- Pulse (Second): Door relay will return to original position within the time user set.
 Default is 4 seconds.
- Toggle: Door relay will not return to original position until door relay has been activated again.

[LCD Display Date]

- YYYY/MM/DD: LCD displays Year/Month/Day.
- MM/DD/YYYY: LCD displays Month/Day/Year.

000		to All <i>P</i> Verify Device
830 860PEF	Parameter1 Parameter2 Parameter3 Parameter4 Parameter5 Au	
852PMF	-Card No Status	Retrieve Valid Code
850PMF-1	Digits Only	
860PMF HTA-856	Card No Length	I en ath
HTA-860PMF-1	1	0 💲
	Keypad Setup	Door Relay Setup
	Enable Number Key	Pulse(Sac)
	Enable Function Key	4
	Keypad with Backlight	○ Toggle
	 Auto 	U TOZZIE
	O Open	LCD Display Date
	◯ Close	⊙ YYYYMM/DD
	- Audio Status	○ MM/DD/YYYY
	Enable Audio Prompt	O DDMM/YYYY
	Sirên Output	

8-1-5 Parameter 3 (HTA-640/HTA-856/HTA-860/HTA-870)

It is mainly set what duty shift you want to display in the device.

Operation Steps:

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.

4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents:

[LCD Status Setup]

- LCD Display Message: Tick the check box, user-define message will be displayed. Please input define message in M1/M2.
- Backlight Mode

Auto: When swipe card or press the keypad, the LCD backlight will activate automatic.

Open: Always activate of LCD backlight.

Close: Always inactivate of LCD backlight.

[Duty Timetable]

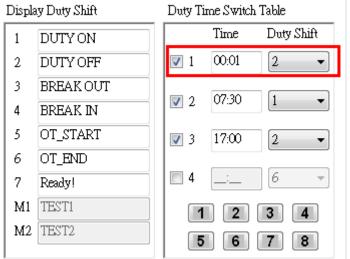
- Display Duty Shift: Provide 9 sets duty shift name. The 7th set displays "Ready" when controller in the Ready Status. And 8th and 9th set is user-define. Need tick LCD Display Message function, and then input messages.
- Duty Time Switch Table: Controller will switch duty shift and display on LCD base on this setting.

Operation Steps:

- Select numeric keys, 4 sets of duty shift time schedule to each numeric key 1~8. Total has 32 sets.
- Tick the box which wants to display on the LCD. Like
- Input start time. Like 0800.
- Input duty shift code. Please input duty description in "Display Duty Shift Time "worksheet.

Note: It will need to set up the duty time in the area, when you synchronize the time. Otherwise, it will go back to default duty-on if the device checks the setting without duty time.

For instance, the normal duty time is 7:30~17:00. If you are looking for synchronization at 7:00, you need to set up another duty time from 00:00 to 07:29. After synchronization finishes, devices will check whether they have duty time or not (00:01 will be duty off), the default duty-on will change to duty-off.



[Restore Duty Switch]

When change duty shift manual, if system need back to current duty shift.

- Enable: System will back to current duty shift automatically.
- Disable: System will stand in manual duty shift.

[Daylight Saving Time]

- Daylight Saving: Open or close this function.
- Adjust Mode: Time advance or delay.
- Date/Time Start: Start date and time
- Date/Time End: End date and time
- Adjust Minute: How many minutes should advance or delay.

ice 📫 New 🥩 Modify 🔩 Delete	"≥ Mifare card Issuance 🐣 Add Users Automatic 😪 Retrieve Finger Pat ■ Save 🗣 Copy 🕴 Move 🔥 v 🏠 Time Synchronization to		
830	Parameter1 Parameter2 Parameter3 Parameter4 Parameter5 Adv		
860PEF	LCD Status Setup	Restore Duty Switch	
852PMF	LCD Display Message		
850PMF-1 860PMF	Backlight Mode	Enable	
HTA-856	Auto	Daylight Saving Time	
HTA-860PMF-1	Open	Daylight Saving Daylight Saving	
	O Close	Close	
		Adjust Mode	
	Duty Timetable	Time Advance	
	Display Duty Shift Duty Time Switch Table	Date/Time Start	
	1 DUTY ON Time Duty Shift	01.01 🗘 00.00 🗘	
	2 DUTY OFF 1 6 🗸	Date/Time End	
	3 BREAK OUT	01.01 🗘 00.00 🗘	
	4 BREAK IN	Adjust Minute	
	5 OT_START 3 6	00.00	
	6 OT_END		
	7 Ready!	Read Set	
	M1 TESTI 1 2 3 4		
	M2 11312 5 6 7 8		

8-1-6 Parameter 4 (HTA-640/HTA-856/HTA-860/HTA-870)

It is mainly to modify relay and sensor's status of recorder.

Operation Steps:

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.

4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents:

[Error Procedure]

- Permit Error Times: Allowed error times of re-swiping card.
- Buzzer Frequency: When error times are over preset times, controller activate buzzer frequency.
- Disarm Alarm Mode: Select to deactivate the alarm by any valid card or Master card.
- Alarm Action: Enable or disable alarm action.

[Alarm Relay Setup]

- Pulse (Second): It will return to original position within the time you set.
- Toggle: Alarm relay will not return to original position until alarm relay has been activated again.
- Latch: It will not return to original position until alarm release code has been entered.

[Alarm Schedule]

- Open: When tick the check box, system will only activate alarm during the time range of schedule. Otherwise alarm relay can not activate for anytime.
- Time Start: Set alarm start time.
- Time End: Set alarm end time.

[Door Relay Action When Re-swipe Card] When re-swipe card, if the door relay activated. [Return to Ready status (Sec)]

The duration of return to ready status after swiping card.

[Relay Action]

Define relay action. Default mode is mode 0.

- Mode0 (Door/Door/Alarm): Built-in relay of controller is for door lock. External first relay of ACU-30 is for door lock and second relay is for Alarm.
- Mode1 (Siren/Door/Alarm): Built-in relay of controller is for siren. External first relay of ACU-30 is for door lock and second relay is for Alarm.

[Finger]

- Activate 1:1 Authentication: Default is 1:N identification, user access by biometric characteristics only. When tick the box, user need swipe card and put biometric characteristics for access.
- Assign a Biometric Characteristics as Master Card: Once tick the check box, operator may assign a specify user's biometric characteristics as a master biometric characteristics.

[Assign a Biometric Characteristics as Master Card]: After retrieve biometric characteristics from device to HAMS, operator may select a user's biometric characteristics as Master biometric. To using this function, please tick the check box of use biometric characteristics as Master Card.

NOTE: After set Master biometric, the original master card/code will become invalid. To be regain original Master card/code authority. Please delete Master biometric. Otherwise, the priority will be master biometric.

Denice = New Modify = Delee Save Copy Corler & Time Synchronization to All / Verify Denice - HTA-860PMF Parameter: Param				
Force Procedure Force Procedure Permit Error Times Buzzi: Frequency Disarn Alam Mode [Valid Card Alam Action Disable Alam Folay Setup Pulse(Sec) Toggle Lath Alam Schedule Open Time End 0000 m - 0000 m	Open Open Open Image: Card Image: Card <			

8-1-7 Parameter 5 (HTA-640/HTA-856/HTA-860/HTA-870)

Set Siren time schedule.

Operation Steps:

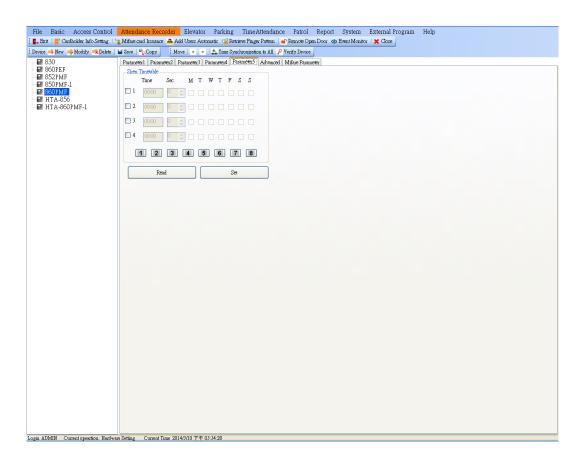
- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.
- 4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents:

[Siren Timetable]

Operation Steps:

- Select numeric keys, 4 sets of siren timetable to each numeric key 1~8. Total has 32 sets.
- 2. Tick the box which wants to activate.
- 3. Input start time
- 4. Input duration. How many seconds you want siren works.
- 5. Tick the box of weekday. The siren will not activate if the check box is not ticked.



8-1-8 Advance Parameter (HTA-640/HTA-856/HTA-860/HTA-870)

It is mainly to modify slave reader's interface.

Operation Steps:

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.

4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents:

[Reader Type]

- Reader Format (Mifare): Controller supports Mifare card format.
- Reader Format (EM): Controller supports EM card format.
- Slave Reader (T1/T2): Slave reader supports T1/T2 interface. Reader will send 10 digits back to program.
- Slave Reader (Wiegand 26, 8 codes): Slave reader supports Wiegand 26 interface.
 Reader will send 8 digits back to program.
- Slave Reader (Wiegand 26, 10 codes): Slave reader supports Wiegand 26 interface. Reader will send 8 digits back to program and program add 00 in front of number automatically and display 10 digits to users.
- Slave Reader (Wiegand 34, 10 codes): Slave reader supports Wiegand 34 interface. Reader will send 10 digits back to program.

[Device Mode] (HTA-640PE/HTA-856PE/PM/HTA-860PE/PM/HTA-870PE/PM Only)

- Valid Card + Name: Must download authorization to recorder. LCD will display card number and cardholder's name after card swiped.
- Unlock door by swiping any card: Do not need download authorization to recorder. And any card may open door.

[Memory Read/Write]

Change memory value from specified block to change controller actions. Please contact with service for details operation. Please do not modify data arbitrary, therefore controller will be abnormal.

File Basic Access Control Parking TimeAttendance Elevator Patrol Report System External Program Help					
🗄 🕵 Exit 📑 Cardholder Info Setting 🔧 Mif	💶 Exit 📄 Cardholder Info Setting 🍡 Mifare card Issuance 🐥 Add Users Automatic 🤹 Retrieve Finger Pattern 🚅 Remote Open Door 💿 Event Monitor 🗶 Close				
🗄 Device 📫 New 🥪 Modify 👒 Delete 🔛	Save 🖶 Copy 📗 Order 🏫 Time Synchronization to All 🔑 Verify	Device			
HTA852PMF HTA502PEF N	Parameter1 Parameter2 Parameter3 Parameter4 Parameter5 Ad				
HTA500PEF-N	Reader Type	Memory Read/Write			
	 Reader Format (Mifare) 	Index 14			
HTA-860PM	Reader Format (EM)	Length 1			
		Value			
	Slave Reader (T1/T2)	Deal Cert			
	 Slave Reader (Wiegand26, 8 Codes) Clum Day In (Wing and 26, 10 Char) 	Read Set			
	Slave Reader (Wiegand 26, 10 Codes)				
	 Slave Reader (Wiegand34, 10 Codes) 				
	Device Mode				
	 Valid Card + Name 				
	 Unlock door by swiping any card 				
	This setting will clear all cardholders and transactions				
	(logs). The whole procedure including the time to reset				
	Read				
	INCAU ,SCI				
Login ADMIN Current opeartion: H	 ardware Setting Current Time 2016/8/4 上午 11:56:	33			

8-1-9 Mifare Parameter (HTA-856PM/HTA-860PM/PMF/HTA-870PM/PMF)

[Mifare Setup]

Allow the user to set the reading unique ID or block of Mifare cards.

Operation Steps:

- Unique ID Reading: Allow user read serial number only. When select this parameter, please ignore follow settings.
- Key A Reading: Login by Key A value.
- Key B Reading: Login by Key B value.
- Retrieve valid code index: The index digit of retrieve valid card number.
- Retrieve valid code length: how many digits you want to retrieve of valid card number. This parameter works hand in hand with "Retrieve valid code index".
- Block Reading: Assigned read allotted block.
- Key A/Key B Value: The value of allotted block
- Display Password: When tick the box, Key A/Key B 's password will display on plain code
- Compress Card No: Default is uncompressing card number. If need compress card number, please tick the check box.

[Mifare Write Back Setup](HTA-856PM/HTA-860PM/HTA-870PM Only)

- Activate Write Back Function: Controller must have "Write-back function". Tick the check box to activate this function.
- Index Block of Write Back: Start block of write-back.
- End Block of Write Back: End block of write-back
- Key A / Key B: Select to confirm Key A or Key B's password.
- Key A/key B Value: Input Key A or Key B's password
- Display Password: When tick the check box, password will display plain code.

Mifare Write Back Setup :

Quantity	Index Block	End Block
	4	23
	8	27
	12	31
	16	35
	20	39
50	24	43
	28	47
	32	51
	36	55
	40	59
	44	63
	4	39
	8	43
	12	47
100	16	51
	20	55
	24	59
	28	63

After mo	dify values, p	please click [Set] , the	e settings will be in effect.
			ndance Patrol Report System External Program Help
	🚦 📭 Exit 📑 Cardholder Info Setting 🍃	🕻 Mifare card Issuance Add Users Automatic 🤹 Retrieve Finger Pat	tem 🛛 🚅 Remote Open Door 💿 Event Monitor 🛛 🗶 Close
	Device 📫 New 📫 Modify 🔩 Delete 📗	🖥 Save 🖶 Copy 👘 Move 🔺 💌 🏡 Time Synchronization to	All 🔑 Yenify Device
	830 860PEF	Parameter/1 Parameter/2 Parameter/3 Parameter/4 Parameter/5 Adv	
	852PMF 850PMF-1 860PMF	Mifare Setup O Unique ID Reading KEY A Reading	Millar Warte Back Strup ☑ Achtes Wide Back Fundion Index Block of wire Back
	HTA-856 HTA-860PMF-1	HTA-856 KEY B Reading	4 C End Block of Write Back
		1	7 C
		Retrieve Valid Code Length	O KEY B
		0	Key A/Key B Value
		Block Reading	Display Password
		0	Distay resword
		Key A/Key B Value	
		Display Password	
		Compress Card No	Set
	Login ADMIN Current opeartion: Hardwar	e Setting Current Time 2014/3/10 下午 04:13:02	

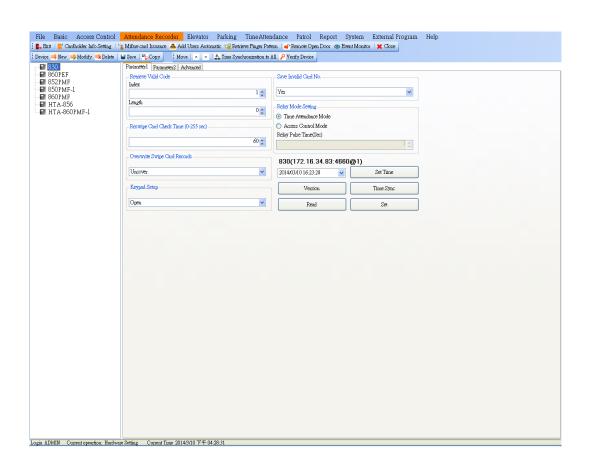
8-1-10 Parameter 1 (HTA-810/820/830/840)

It is mainly to modify device parameters. Operation Steps :

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.

Parameter contents :

- Retrieve Valid Code: Index signifies index digit of retrieve valid card number. Length signifies how many digits you want to retrieve of valid card number.
 Ex: Card No. is 1234567890, valid code index is 2, length is 6. The retrieve valid card no. will be 234567. Please note, in cardholder information, the card no. should be 234567 too, otherwise the door will not open.
- Re-swipe Card Check Time (0-255 sec): This is the time for checking the card repeatedly. Default is 0. As the time is set, when swiping the card more than once within a preset time, system will not record the event and make beep sound.
- Overwrite Swipe Card Records: System will overwrite records (Yes) or stop saving records (Uncover). When uncover selection, LCD screen will display FULL message when the storage limit is exceeded.
- Keypad Setup: Disable or enable keypad function. (except HTA-810)
- Save Invalid Card No: Store or not store invalid card records selection.
- Relay Mode Setting: (except HTA-810)
 - Time Attendance Mode: Relay is for siren use.
 - Access Control Mode: Relay is for door lock use and able to set relay pulse action time.
- 4. After modify values, please remember to click [Set] then change will be in effect.



8-1-11 Parameter 2(HTA-810/820/830/840)

It is mainly to modify device's duty display and siren time schedule. Operation Steps :

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.
- 4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents:

[Duty Timetable] (except HTA-810)

Operation Steps :

- 1. Select numeric keys, total have 16 sets.
- 2. Input start and end time.
- 3. Select duty shift. Total have $A \\ B \\ C \\ D$, 4 sets.

For example, set time 0800~1200 for A, the system will change to button A automatic at 08:00.

Note: It will need to set up the duty time in the area, when you synchronize the time. Otherwise, it will go back to default duty-on if the device checks the setting without duty time.

For instance, the normal duty time is 7:30~17:00. If you are looking for synchronization at 7:00, you need to set up another duty time from 00:00 to 07:29. After synchronization finishes, devices will check whether they have duty time or not (00:01 will be duty off), the default duty-on will change to duty-off.

Displa	ay Duty Shift	Duty I	'ime Switch	1 Table	
1	DUTY ON		Time	Duty SI	hift
2	DUTY OFF	V 1	00:01	2	-
3	BREAK OUT		07.00		
4	BREAK IN	2	07:30	1	•
5	OT_START	3	17:00	2	-
6	OT_END				
7	Ready!	4	:	6	-
M1	TEST1		1 2	3	4
M2	TEST2		5 6		B

[Siren Timetable]

Operation Steps :

- Select numeric keys, 4 sets of siren timetable to each numeric key 1~8. Total has 32 sets.
- 2. Tick the box which wants to activate.
- 3. Input start time.
- 4. Input duration. How many seconds you want siren works.
- 5. Tick the box of weekday. The siren will not activate if the check box is not ticked.

[Daylight Saving Time]

- 1. Daylight Saving: Open or close this function.
- 2. Adjust Minute: How many minutes should advance or delay.
- 3. Date/Time Start: Start date and time
- 4. Date/Time End: End date and time

File Basic Access Control	Attendance Recorder Elevator Parking Time Attendance Patrol Report System External Program Help		
i 🕵 Exit 📔 Caudholder Info Setting 🛛 🐒 Mifare caul Issuance 🚔 Add Users Automatic 🤹 Retrieve Finger Pattern 🛛 🗬 Remote Open Doox 👁 Event Monitor 📔 🗶 Close			
Device 📫 New 📑 Modify 式 Delete	🖬 Save 🗣 Copy 🔹 Move 🔺 💌 📩 Time Synchronization to All 🔑 Verify Device		
g 🖬 830	Parameter Parameter Advanced		
■ 860PEF ■ 852PMF	Duty Timetable Daylight Saving Time		
850PMF-1	Time Start Time End Duty Shift Daylight Saving		
	01. 07.00 ○ - 12.59 ○ A ○ B ○ C ○ D Cose ♥ Adjust Minute		
HTA-856 HTA-860PMF-1	02. 1300 C - 1859 C A O B C C D 0000 C		
	0. 0000 ♀ - 0759 ♀ ○ A ○ B ⊙ C ○ D DeeTIme Start 01.01 ♀ 0000 ♥		
	04. 0000 😳 - 0000 😳 A 🐵 B 🔿 C 🗘 D Date/Time End		
	01-04 05-08 09-12 13-16 01.01 0 0000 0		
	Size Read Set		
	Time Sec M T W T F S S		
	♥ 2 0000 0 ¢ ♥ ♥ ♥ ♥ ♥ ♥		
	V 3 0000 0 C V V V V V V V		
	V 4 0000 0 0 V V V V V		
	1 2 3 4 6 6 7 8		
Login ADMIN Current opeartion: Hardwa	ue Setting Current Time 2014/3/10 千千 04:34:01		

8-1-12 Advanced (HTA-810/820/830/840)

It is mainly to modify device's parameters. Operation Steps :

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.
- 4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents:

Compress Card No: Compress the card number to increase the storage capacity. Only pure numbers can be compressed in this feature.

Baud rate: Default is 9600. Please do not modify the baud rate. Otherwise, system cans not communication with HTA-810 and HTA-820)

Device ID: Set HTA-810/820 ID. Once modify ID here, the ID in the [Hardware setting] will be modified at the same time.

Memory Read/Write: Change memory value from specified block to change controller actions. Please contact with service for details operation. Please do not modify data arbitrary. Therefore controller will be abnormal.

File Basic Access Control	Attendance Recorder Elevator Parking	Time Attendance Patrol Report System External Pro	ogram Help
		ieve Finger Pattern 💣 Remote Open Door 💿 Event Monitor 🗙 Close	· ·
		chronization to All 🔑 Verify Device	
🚦 💁 Exit 📔 Cardholder Info Setting 📔	💈 Mifare card Issuance	Atoministion to All P Verify Device Memory Read/Write Index Length Value Read Se	00
Login ADMIN Current opeartion: Hardwa	es Setting Current Ture 2014/3/10 丁午 05:25:34		

8-1-13 Parameter 1 (HTA-850/852)

It is mainly to modify device's parameters. Operation Steps :

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.

4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents :

- Master Card: Required to enter command mode of controller (Default is 30191000). Kindly refer to hardware manual.
- Overwrite Swipe Card Records: Able select do not record (NO), overwrite records (YES) or do not cover old records (Uncover).
 - When select NO: System will not save any swipe card record.
 - When select YES: System will save swipe card records. Once the storage limit is exceeded, system will overwrite from beginning.
 - When select Uncover: System will save swipe card records, once the storage limit is exceeded, LCD screen will display FULL message and stop to saving swipe card record. Kindly retrieve records ASAP.
- Save Invalid Card No: Store or not store invalid card records selection.
- Re-swipe Card Check Time (0-255 sec): This is the time for checking the card repeatedly. Default is 0. As the time is set, when swiping the card more than once within a preset time, system will not record the event and make beep sound.
- RS-232 Device Output: Connect with LCD display, DVR or printer.
- Select LCD Language:

English: LCD displays English

Tradition Chinese: LCD displays Tradition Chinese

Simplified Chinese: LCD displays Simplified Chinese

 Retrieve Biometric Characteristics : Retrieve biometric characteristics from device to database.(For biometric characteristics device only):
 Single Card, Detrieve single and biometric characteristics laput and number.

Single Card: Retrieve single card biometric characteristics. Input card number first then press [Retrieve].

All Cards: Press [Retrieve] to retrieve all card biometric characteristics. It is highly recommend retrieving all card biometric characteristics at first time. After that,

user can retrieve biometric characteristics singly to avoid long time retrieval. (System will take 4~5 minds for 200 biometric characteristics)

NOTE: Please retrieve all biometric characteristics within no users use machine, especial avoid office hours lest retrieval failed. If retrieval failed, system will have a log file in C:\Program files\HAMS-24\Logs\date.log. Operator may know which retrieval is failed and retrieve it again by "Single Card".

	Mifare setting ♣ Add Users Automatic ♀ Retrieve Biometric Character Synchronization to All ₽ Y Parameter: Parameter:2 Parameter:3 Parameter:4 Parameter:5 Mi Master Card 30191000 Overwrite Swipe Card Records Uncover Save Invalid Card No. Yes	Verify Device
	Reswipe Card Check Time (0-255 sec)	HTA-852(COM1:19200@1) 202007/231342:19
	Close •	Version Time Sync
		Read Set
ogin ADMIN Current opeartion:	Hardware Setting Current Time 2020-07-23 13:42	:29

8-1-14 Parameter 2 (HTA-850/852)

It is mainly to modify device status. Operation Steps :

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.

4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents :

[Card No Status]

• Digits Only: Tick the check box signifies all card number should be digits. If card number with English letters, LCD will display error message after card swiped. If operators do not set how many digits should check, all number should be digits.

• Card No Length: Length of card number should be digits.

[Keypad Setup]

- Enable Number Key: Tick the check box to enable number key.
- Enable Function Key: Tick the check box to enable function keys F1~F4.
- Keypad with Backlight

Auto: When swipe card or press the keypad, the keypad backlight will activate automatic.

Open: Always activate of keypad backlight.

Close: Always inactivate of keypad backlight.

[Audio Status]

- Audio Prompt : It is allow operator to adjust the voice volume. (Only applicable below HTA-852V1.X)
- Enable Audio Prompt: Tick the check box to enable Audio Prompt. (Biometric characteristics machine only)
- Siren Output: Tick the check box to enable siren output.

[Retrieve valid code]

- Index: The index digit of retrieve valid card number.
- Length: How many digits you want to retrieve of valid card no.
 Ex: Card NO. is 1234567890, valid code index is 2, length is 6. The retrieve valid card no. will be 234567. Please note, in cardholder information, the card no. should be 234567 too, otherwise the door will not open.

[Door Relay Setup]

- Pulse (Second): Door relay will return to original position within the time user set. Default is 4 seconds.
- Toggle: Door relay will not return to original position until door relay has been activated again.

[LCD Display Date]

- YYYY/MM/DD: LCD displays Year/Month/Day.
- MM/DD/YYYY: LCD displays Month/Day/Year.

DD/MM/YY	(YY: LCD displays Da	ay/Month/Year.
File Basic Access Control	Attendance Recorder Elevator Parking TimeAt	tendance Patrol Report System External Program Help
	🔧 Mifare card Issuance 🚑 Add Users Automatic 🧐 Retrieve Finger	
Device 📫 New 🥵 Modify 🔩 Delete	Save Copy Move A v Sa Time Synchronization Parameter1 Parameter2 Parameter3 Parameter4 Parameter5 1	
- 860PEF	Card No Status	Retrieve Valid Code
- 852PMF - 850PMF-1	Digits Only	Index
860PMF	Card No Length	1 🗘
- ₩ HTA-856 - ₩ HTA-860PMF-1	1	Length 0
III A-0001 MIT-1		
	Keypad Setup	Door Relay Setup
	Enable Number Key Enable Function Key	Pulse(Sec)
	Keypad with Backlight	4.0
	 Auto 	O Toggle
	O Opén	- LCD Display Date
	○ Close	⊙ YYYYMM/DD
	Audio Status	○ MM/DD/YYYY
	Audio Prompt 4	O DDMM/YYYY
	Enable Audio Prompt	Read Set
	Sirên Output	
	1000 Setting County Time 2016/2/10 元年 05:07:16	

8-1-15 Parameter 3 (HTA-850/852)

It is mainly to set what duty shift you want to display in the device. Operation Steps :

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.

4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents :

[LCD Status Setup]

- LCD Display Message: Tick the check box, user-define message will be displayed.
- Backlight Mode

Auto: When swipe card or press the keypad, the LCD backlight will activate automatic.

Open: Always activate of LCD backlight.

Close: Always inactivate of LCD backlight.

[Duty Timetable]

- Display Duty Shift: Provide 9 sets duty shift name. The 7th set displays "Ready" when controller in the Ready Status. And 8th and 9th set is user-define. Need tick LCD Display Message function, then input messages.
- Duty Time Switch Table: Controller will switch duty shift and display on LCD base on this setting.

Operation Steps :

- Select numeric keys, 4 sets of duty shift time schedule to each numeric key 1~8. Total has 32 sets.
- 2. Tick the box which wants to display on the LCD.
- 3. Input start time. Like 0800.
- 4. Input duty shift code. Please input duty description in "Display Duty Shift Time "worksheet.

Note: It will need to set up the duty time in the area, when you synchronize the time. Otherwise, it will go back to default duty-on if the device checks the setting without duty time.

For instance, the normal duty time is 7:30~17:00. If you are looking for synchronization at 7:00, you need to set up another duty time from 00:00 to 07:29. After synchronization finishes, devices will check whether they have duty time or not (00:01 will be duty off), the default duty-on will change to duty-off.

Displa	y Duty Shift	Duty T	'ime Switch	, Table
1	DUTY ON		Time	Duty Shift
2	DUTY OFF	V 1	00:01	2 -
3	BREAK OUT		07:30	
4	BREAK IN	2	07:50	1 •
5	OT_START	3	17:00	2 -
6	OT_END			
7	Ready!	4	_:	6 🔻
M1	TEST1		1 2	3 4
M2	TEST2		5 6	78

[Restore Duty Switch]

When change duty shift manual, if system need back to current duty shift.

- Enable: System will back to current duty shift automatically.
- Disable: System will stand in manual duty shift.

[Daylight Saving Time]

- Daylight Saving: Open or close this function.
- Adjust Mode: Time advance or delay.
- Date/Time Start: Start date and time
- Date/Time End: End date and time
- Adjust Minute: How many minutes should advance or delay.

File Basic Access Control	
	🍡 Mifare card Essuance 🚔 Add Users Automatic 😪 Retrieve Finger Pattern 🖌 🖝 Remote Open Door 💿 Event Monitor 🖌 🗶 Close
evice 🚅 New 🥩 Modify 🔩 Delete	
830	Parameter/ Parameter/ Parameter/ Parameter/ Parameter/ Parameter/ Mifare Parameter
860PEF 852PMF	CLCD Status Setup Restore Duty Switch
850PMF-1	CD Display Message
🗃 860PMF	Backlight Mode
HTA-856	O Auto
HTA-860PMF-1	
	Close Close
	Duty Timetable Adjust Mode
	Diskay Duty Shift Duty Time Switch Table
	Date/Ime Start
	2 DUTY OFF
	4 DKDAK IV Adjust Minute
	5 OT_START 3 6 0000 \$
	6 OT_END
	7 Ready 24
	MO TECT
ADMIN Comment exceptions, Harden	」 www.Stiting Current Time 2014/3/10 下午 05:36:07

8-1-16 Parameter 4 (HTA-850/852)

It is mainly to modify device parameters. Operation Steps :

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.

4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents :

[Error Procedure]

- Permit Error Times: Allowed error times of re-swiping card.
- Buzzer Frequency: When error times are over preset times, controller activate buzzer frequency.
- Disarm Alarm Mode: Select to deactivate the alarm by any valid card or Master card.
- Alarm Action: Enable or disable alarm action.

[Alarm Relay Setup]

- Pulse (Second): It will return to original position within the time that the user set.
- Toggle: Alarm relay will not return to original position until alarm relay has been activated again.
- Latch: It will not return to original position until alarm release code has been entered.

[Door Relay Action When Re-swipe Card]: When re-swipe card, if door relay activated. [Add 00 in front of Card NO] (Only support Mifare Model)

System will read Wiegand code back and add 00 in front of card number in the report.

[Finger]

- Activate 1:1 Authentication: Default is 1: N identification, user access by f biometric characteristics only. When tick the box, user need swipe card and put biometric characteristics for access.
- Assign a Biometric Characteristics as Master Card: Assign a biometric characteristics as master card/code.
- Swiped Cards don't have to Finger: When tick the check box, it signifies all cardholders may access by card only. System will not delete biometric characteristics from device after downloading authorizations. To restore biometric characteristics

access function, please un-tick the check box. (For biometric characteristics device only).

[Assign a biometric characteristics as Master Card] : After retrieve biometric characteristics templates to HAMS-24 database, user may select a cardholder and assign his/her biometric characteristics be a Master card/code. Please tick box of previous [Assign a Biometric Characteristics as Master Card] first.

File Basic Access Control Parking TimeAttendance Elevator Patrol Report System External Program Help				
🔋 🖳 Exit 📑 " Cardholder Info Setting 🔨 Mifare setting 🚔 Add Users Automatic 🤹 Retrieve Biometric Characteristics 📽 Remote Open Door 💿 Event Monitor 🗙 Close				
🛛 Device 📫 New 📫 Modify 📑 Delete	🔛 Save 🖶 Copy 🏬 Order 🦾 Time Synchronization to All 🔑 V	rify Device		
HTA-860PMF Parameter2 Parameter2 Parameter3 Parameter3 Milare Parameter5 Milare Parameter5				
HTA-852	Error Procedure			
	Permit Error Times	Door Relay Action When Reswipe Card		
	0	Open 🔹		
	Buzzer Frequency	Add 00 in front of Card No		
	0	Open 👻		
	Disam Alam Mode	Finger		
	Valid Card 🗸	Activate 1:1 Authentication		
	Alarm Action	Assign a Biometric Characteristics as Master Card		
	Disable	Swiped Card don't have to Finger		
	DBaald	Assign a Biometric Characteristics as Master Card		
	Alarm Relay Setup			
	Pulse(Sec)	•		
	0.0	Set Delete		
	💿 Toggle			
	Iatch	Read Set		
Login ADMIN Current opeartion:	Hardware Setting Current Time 2020-07-23 13:45:	44		

8-1-17 Parameter 5 (HTA-850/852)

It is mainly to modify siren time schedule. Operation Steps :

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.

4. After modify values, please remember to click [Set] then change will be in effect.

Parameter contents :

[Siren Timetable]

Operation Steps :

- Select numeric keys, 4 sets of siren timetable to each numeric key 1~8. Total has 32 sets.
- 2. Tick the box which wants to activate.
- 3. Input start time.
- 4. Input duration. How many seconds you want siren works.
- 5. Tick the box of weekday. The siren will not activate if the check box is not ticked.

[Lunch Break Duration]

This function is reserved.

[Device Mode]

• Unlock door by swiping any card : Do not need download authorization to recorder.

And any card may open door.

• Valid Card + Name : Must download authorization to recorder. LCD will display card number and cardholder's name after card swiped.

[Memory Read/Write]

Change memory value from specified block to change controller actions. Please contact with service for details operation. Please do not modify data arbitrary. Therefore controller will be abnormal.

File Basic Access Cont	-	
	ing 🍡 Mifare card Issuance 🐣 Add Users Automatic 🤿 Retrieve Finger Pa & Delete 🔛 Save 号 Copy 🔢 Order 🏡 Time Synchronization to All 👂	
HTA852PMF	Parameter1 Parameter2 Parameter3 Parameter4 Parameter5 Mifare Pa	
HTA502PEF N HTA500PEF-N	· · · · · · · · · · · · · · · · · · ·	lemory Read/Write
HTA850PM		dex 14 📮
		ingth 1 🙀
		alue
	3 00:00 0 🛬	EEPROM Set
		evice Mode
		Unlock door by swiping any card
	1 2 3 4 5 6 7 8 • Valid Card + Name Lunch Break Duration This setting will clear all cardholders and transactions (logs). The whole procedure including the time to reset 0	
	0	
		Read Set
	Read Set	
ADMINI Chamain	when the law office - Converties 2014000 F # 1	1.06.16
ogin ADMIN Current ope	eartion: Hardware Setting Current Time 2016/8/3 上午 1	11:20:10 .::

8-1-18 Mifare Parameter (HTA-850PM/HTA-852PMF)

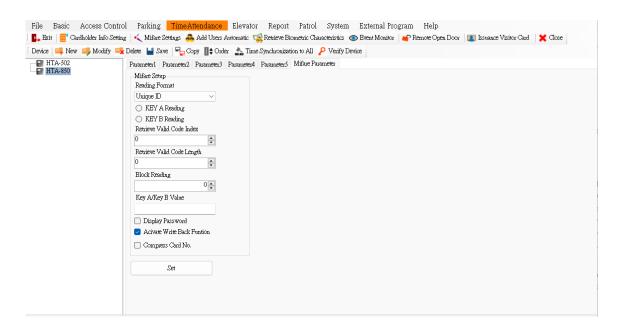
After modify values, please remember to click [Set] then change will be in effect.

[Mifare Setup]

Allow the user to set the reading unique ID or block of Mifare cards.

Operation Steps :

- Reading Format: Unique ID or Block selection. Allow user read serial number or Block. When Unique ID is selected, please ignore follow settings.
- Key A Reading: Login by Key A value.
- Key B Reading: Login by Key B value.
- Retrieve Valid Code Index: The index digit of retrieve valid card number.
- Retrieve Valid Code Length: how many digits you want to retrieve of valid card number. This parameter works hand in hand with "Retrieve valid code index".
- Block Reading: Assigned read allotted block.
- Key A/Key B Value: The value of allotted block
- Display Password: When tick the box, Key A/Key B 's password will display on plain code.
- Activate Write Back Function: Controller must have "Write-back function". Tick the check box to activate this function. (HTA-850PM only)
- Compress Card No. : Default is uncompressing card number. If need compress card number, please tick the check box.



8-1-19 Parameter 1 (HTA-500/502)

It is mainly to modify recorder's status.

Operation Steps:

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.

4. After modify values, please remember to click [Set] to save changes

Parameter contents:

 Retrieve Biometric Characteristics : Retrieve biometric characteristics from device to database.(For biometric characteristics device only): Single Card: Retrieve single card's biometric characteristics. Input card number

first then press [Retrieve Biometric].

All Cards: Press [Retrieve Biometric] to retrieve all cards' biometric characteristics. It is highly recommended to retrieve all cards' biometric characteristics at first time. After that, user can retrieve single card's biometric characteristics to avoid awaiting too long. (System will take 4~5 minutes for 200 biometric characteristics) NOTE: Please retrieve all biometric characteristics while no users use the machine, especially Not to do it during the busy clock In/Out time to avoid the retrieval failure. If the retrieval failed, system will have a log file in C:\Program files\HAMS-24\Logs\date.log to record which cards failed during biometric characteristics retrieval. Operator can retrieve it again by "Single Card" accordingly.

- Set Time: Input date and time by user.
- Time Sync: Synchronize time with PC lock.
- Version: After click this button, system will display current ROM version of HTA-500/502.

	Parking TimeAttendance	-		-	
Device 📫 New 🥩 Modify 🔩 Dele	🔨 Mifare setting 🐣 Add Users Automat te 🔛 Save 🏪 Copy 📲 Order 🏡 T			vent Monitor 🗙 Close	
HTA-860PMF HTA-502	Parameter1 Parameter2 Parameter2 HTA-502(172.16.42.61:46600				
	Retrieve Biometric Characteristics				
	 Single Card 		2020/07/23 13:56:37	Set Time	
	All Cards	Retrieve Biometric	Version	Time Sync	
			Read	Set	
ogin ADMIN Current opeartic	on: Hardware Setting Curren	t Time 2020-07-23 13:56	5:51		.:

8-1-20 Parameter 2 (HTA-500/502)

It is mainly to modify recorder's status.

Operation Steps:

- 1. Select the device on the left side.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.
- 4. After modify values, please remember to click [Set] to save changes.

Parameter contents:

Time Attendance Parameters

- Master Card: The card number to enter command mode of controller (Default is 30191000). Kindly refer to hardware manual.
- Overwrite Card Swipe Records: To select whether to overwrite the old card swipe records if the memory is full
- Restore Duty Switch: When operators manually change duty shift, whether the device needs to return to current duty shift

Yes: System will stay at manually changed duty shift.

No: System will return to current duty shift automatically.

Door I/O Parameters

- Unlock Door Relay Action Time : The action duration of door relay. Default is 4 seconds.
- Exit Button Status : Short Circuit Action or Open Circuit Action for choice. Default is Short Circuit Action.
- Door Sensor Status : The contact status of the door opening Sensor, which are N.O, N.C and Disable.

UI Parameters

- Select LCD Language: English: LCD displays in English Traditional Chinese: LCD displays in Traditional Chinese Simplified Chinese: LCD displays in Simplified Chinese
- Date format displays on LCD YYYY/MM/DD: LCD displays Year/Month/Day. MM/DD/YYYY: LCD displays Month/Day/Year. DD/MM/YYYY: LCD displays Day/Month/Year. YYYY-MM-DD : LCD displays Year-Month-Day.

MM-DD-YY : LCD displays Month-Day-Year. DD-MM-YY : LCD displays Day-Month-Year.

Keypad Setup

Enable Number Keys: Tick the check box to enable number keys.

Enable Function Keys: Tick the check box to enable function keys F1~F6.

LCD Status Setup
 Message Stay Duration : How long the message stays on LCD

 Backlight Mode:

Auto: When swipe card or press the keypad, the LCD backlight will be activated automatically.

Open: The LCD backlight. is always on

• Fine Tuning of Time: RTC adjustment.

Every Few Hours: How many hours would like to be set 1 second forward or 1 second backward.

Decice New Modify Delete Save Gopy Copy Copy		Keypad Setup Enable Number Key Function Key ILCD Status Setup Message Stay Duration IO Backlight Mode Auto Open Fine Tuning of Time Every Few Hous Set 1 second forward	
---	--	--	--

8-1-21 Parameter 3 (HTA-500/502)

It is mainly to modify duty shift status.

Operation Steps:

- 1. Select the device on the left side to modify.
- 2. Click [Read] to get back current setting values of device.
- 3. Modify the parameter values.
- 4. After modify values, please remember to click [Set] to save changes.

[Duty Timetable]

- Time: Controller will switch duty shift and display on LCD base on this setting.
 Operation Steps:
 - Select numeric keys, 8 sets of duty shift time schedule to each numeric key 1~4. The total of 32 sets are available
 - 2. Tick the box which wants to display on the LCD..
 - 3. Input start time.
- Duty Shift: Provide 8 duty-shift names which can be displayed on LCD. The names on 7th, 8th fields are self-defined

Note: It will need to set up the duty time in the area, when you synchronize the time. Otherwise, it will go back to default duty-on if the device checks the setting without duty time.

For instance, the normal duty time is 7:30~17:00. If you are looking for synchronization at 7:00, you need to set up another duty time from 00:00 to 07:29. After synchronization finishes, devices will check whether they have duty time or not (00:01 will be duty off), the default duty-on will change to duty-off.

Displa	ay Duty Shift	Duty '	Time Switch	Table
1	DUTY ON		Time	Duty Shift
2	DUTY OFF	V 1	00:01	2
3	BREAK OUT		07:30	
4	BREAK IN	2	07:50	1 •
5	OT_START	3	17:00	2 -
6	OT_END			
7	Ready!	4	_:	6 🔻
M1	TEST1	l n	1 2	3 4
M2	TEST2		5 6	78

[Siren Timetable]

Operation Steps:

- Select numeric keys, 8 sets of alarm time schedule to each numeric key 1~4.The total of 32 sets are available.
- 2. Tick the box to activate.
- 3. Input start time.
- 4. Input duration of siren.
- 5. Tick the box of the days of the week. The siren will not be activated if the checkbox is not ticked.

[Daylight Saving Time]

- Daylight Saving: Close or Open this function.
- Adjust Mode: Time advance or delay.
- Time Start: Start time and date
- Time End: End time and date
- Adjust Minute: How many minutes would like to be set forward or backward.

Duty Timetable Time Duty Shift	Siren Timetable Time Sec Mon Tue Wed Thu Fri Sat Sun	Daylight Saving Time Daylight Saving
1 _:_ DUTY ON	V 1 00:00 10 V	Open
2 _: DUTY OFF		Adjust Mode Time Delay
		Time Delay
BREAK OUT	3	01.01 🚔 00:00 🚔
🗖 4 🔄 BREAK IN		Time End
▼ 5 00:50 OT_START	5	01.01 🚔 00.00 🚔 Adjust Minute
		00.00
6 _: OT_END		
7	7	
8		
1 2 3 4	1 2 3 4	

8-1-22 USB File Transfer (HTA-500/502)

Import / Export data to Computer / Flash Pen Drive

[Write to USB] Export Data to Flash Pen Drive

- Card Number Data : Export Access Authority to Flash Pen Drive from computer.
 The file name is USER.txt
- Parameters Data : Save controllers' parameters to Flash Pen Drive from computer.
 The file name is Config.bin

[0	
File Basic Access Cor	ntrol Parking TimeAttenda	ance Elevator Patrol Report System External Program Help
🗄 🖪 Exit 🛛 😑 Cardholder Info Set	ing 🛛 🔨 Mifare setting 🛛 🙈 Add User:	s Automatic 🤹 Retrieve Finger Pattern 🛛 🖝 Remote Open Door 💿 Event Monitor 🛛 🗶 Close
		····
🗄 Device 📪 New 📪 Modify 📒	👷 Delete 🔛 Save 🏪 Copy 📗 🗘 On	der 🏡 Time Synchronization to All 🔑 Verify Device
	Parameter1 Parameter2 Parameter	3 File Transfer Through USB
- 🗃 860PMF-Test area	Execute	
- 🛃 850PM-Test area	Write to USB	
852PMF-Test area	Write to USB	
830PM-Test area	Card Number Data	Directory
502PEF-NB	Conditional del Dan	Difference
500PMF-N		
852	Parameters Data	Directory
	Retrieve from USB	
	Card Records	File
	Card Number Data	File
	0	1.100
Levis ADMINI Commenter		Communit Time 2016/12/20 下左 04-21-20
Login ADMIN Current op	eartion: Hardware Setting	Current Time 2016/12/29 下午 04:31:20

B., Erit Cardholder Info Setting < Device <	Mifare setting 🐣 Add Users Automatic	levator Patrol Report System External Program Help c Scheiwe Finger Patten Proce Open Door O Event Monitor X Close me Synchronization to All P Verify Device File Transfer Through USB	
B30PM-Test area	 Card Number Data 	C:\Users\jenny\Desktop\USERS.trt	Directory
502PEF-NB 500PMF-N 832	Parameters Data		Directory
	Retrieve from USB		
	Card Records		File
	Card Number Data		File
Login ADMIN Current opeartion	n: Hardware Setting Current	Time 2016/12/29 下午 04:27:02	

File Basic Access Control Parking TimeAttendance Elevator Patrol Report System Exter	nal Program Help
🛯 📴 Exit 📑 Cardholder Info Setting 🔨 Mifare setting 🐣 Add Users Automatic 🤹 Retrieve Finger Pattern ୶ Remote Open Door 🔇	🗩 Event Monitor 🛛 🗶 Close
Device 📫 New 🥵 Modify 👒 Delete 🔛 Save 🧧 Copy 🏬 Order 🦾 Time Synchronization to All 🔑 Verify Device	
860PM-Test area 860PMF-Test area 850PMF-Test area Card Number Data © Card Number Data Login ADMIN Current topeartion: Hardware Setting Current Time 2016/12/29 T/F 04:27:51	Directory Directory File File File
Dogin resident Content Operations, Hardware beining Cuttent Time 2010/12/29 + 04/27/31	

[Retrieve form USB] Import data to Computer from Flash Pen Drive

- Card Records : Import Card Records with the file name LOG.txt in the flash pen drive to computer's database and make a backup file to save to USB directory under HAMS (While save back to USB directory, please add the year/month/date/hour /minute in front of the original file name (e.g.: 201603110912LOG.txt)
- Card Number Data : Import access authority in the flash pen drive with the file name USER.txt to database and make a backup file to save to USB directory under HAMS (While save back to USB directory, please add the year/month/date/hour/minute in front of the original file name (e.g.:

201603110912USER.txt)

File Basic Access Control Parking TimeAttendance Elevator Patrol Report System External Program Help
📙 Enit 📑 Cardholder Info Setting 🔨 Mifare setting 🐥 Add Users Automatic 🤹 Retrieve Finger Pattern 🖝 Remote Open Door 👁 Event Monitor 🗙 Close
Derice 📫 New 📫 Modify 🔩 Delete 🔛 Save 🗣 Copy 🌓 Order 🤽 Time Synchronization to All 🥜 Verify Device
962PM-Test area 962PM-Test area 952PM-Test area 9 Card Records 9 Card Records 9 Card Records 9 Card Number Data 9 Card Number Data 9 Card Records 9 File
Login ADMIN Current opeartion: Hardware Setting Current Time 2016/12/29下午04:28:51

	Parking TimeAttendance Elevator Patrol Report System External Program Help
	🔨 Mifare setting 🐣 Add Users Automatic 🤹 Retrieve Finger Pattern 🖝 Remote Open Door 💿 Event Monitor 🗙 Close
	te 🖬 Save 🗣 Copy 👔 Crear 🐁 Time Synchronization to All 🔑 Verify Device
800PM-Test area 800PM-Test area 800PM-Test area 830PM-Test area 830PM-Test area 800PM-Test area	Parameter2 Parameter2 Parameter2 Parameter2 Parameter2 Write to USt Oran Nitrober Data Directory Oran Nitrober Data Directory Parameter2 Directory Retrieve from USE Encode
	Card Records
	Card Number Data F-WSER.ut File
Login ADMIN Current opeartio	n: Hardware Setting Current Time 2016/12/29 下午 04:30:02

8-2 Auth Setting

8-2-1 Group Authorization Setting

It is mainly to create device groups and assign user authorization.

Operation Steps:

- 1. Click [New].
- 2. Input group name.
- 3. Click [Save] to save the setting.

File Basic Access Control Parking Time Attenda		al Program Help or ⊕Event Monitor IX Close
Group Auth Setting Group Auth Inquire Download		
🕴 📫 New 📫 Modify 📫 Delete	Authorization Setting	
Group Name	🗄 🛐 Door Schedule 🚨 Cardholder 💥 Delete Cardholder 🏪 B	Export Cardholder 👌 Import Cardholder 🛛 🔍 Search
	Record-0	Record:0
	Serail No Door	Department Emp No Name
Login ADMIN Current opeartion: Auth Setting Curr	ent Time 2016/4/8 下午 06:01:28	۔ اب

- Go to [Door Schedule]. Tick controllers which you want to group.
 Hint: Speedy Selection: Press CTRL key and select controllers by mouse or press
 SHIFT key and select controllers successively by mouse.
- 5. Click [OK]. When read "Progress Completed" message and then press [OK] again.

New 🥪 Modify 📑 Delete	Authorization Setting	
Group Name AA	🖡 Door Schedule 🔺 Cardholder 🗙 Delete Cardholder 🍗 Export Cardholder 🌛 Import Cardholder 🔍 Search	
AA	Select Door Group Schedule	
	Emp No Name	
	OK Cancel	
	🛛 🖾 Set 🔲 Revenue Select	
	Door Status Setting	
	▶ ☑ Door-1 1 Ⅳ Door-200 1	
	V Door860 1	

h Seving Group Auth Inquire Download	Authorization Setting						
Coop Noz	Select Cardholder	older 🦉 Deleteri	Salkelde.	R. Front O		Conflicted and a	Q Seach
	OK Once						
	Department Cardholder						
	● [/ Jundenti - gr/ABC	1	🛛 🖬 Select All 🔲 Select None				
			Name No			^	
		1		David1	00001	_	
		2		David2	00002		
		3		David3	00003	_	
		4	_	David4	00004	- 110	
		5		David5	00005	- 110	
		6	_	David6	00006	- 110	
		▶7		David?	00007	- 110	
		8		David8	00008	- 110	
		9	_	David9	00009	- 110	
		10		David10	00010	- 110	
		11		David11	00011		
		12		David12	00012		
		13		David13	00013		
		14	_	David14	00014		
		15		David15	00015		
		16	_	David16	00016		
		17		David17	00017		
		18		David18	00018		
		19	1	David19	00019		
		20		David20	00020		
		21	171	David21	00021		

- 6. Go to [Cardholder]. Tick the department then you will read cardholder list which belong the department. And then you can start to tick the cardholders.
- 7. Click [OK] to save the setting. When read "Progress Completed" message and then press [OK] again to complete the setting. If want to delete the selection, just select the cardholder and press [Delete].
- 8. Able to use "Search" function according to the types of search criteria, like Emp. No, Name or Department.

Coor Scherhel & Cardholder X Delete Card ed 2 Senal No Door Door-800 1 Door-1 ef Select	Record 8	older 👌 Import Cardholder	Q Search Name test002 test003 test004	
Sexall No Door 1 Door-860 1 Door-1	De 1 text 2 text 3 text	00002 00003	test002 test003	
1 Door-860 1 Door-1	▶1 test 2 test 3 test	00002 00003	test002 test003	
1 Door-1	2 test 3 test	00003	test003	
	3 est			
all Select		00004	her: t004	
aP Select	🖌 test		1631004	
- Select		00005	test005	
	n 🗆 🗾 🔤 🔤 🔤	00005	test006	
	test	00007	test007	
Emp. No.	test	00008	test008	
	test	00009	test009	
Nr				
Name				
Denortment				
OK				
	Nane Department OK	Department	Department	Department

After setting completed, system also allows users to click [Export Cardholder] to produce a txt file base on the setting. The file only includes cardholder name and authority by department. This file may import to system and use for other group authorization.

8-2-2 Group Authorization Inquire

Enquire user's authorization. Specify the range according to Group, door and User name. Report provides print function and can be converted to TXT or XLS format for other application.

Operation Steps:

- 1. Check dynamic drop-down menu, you will read group, door, cardholder's name and time schedule selection is reserved.
- 2. Click [Search].

up:	-	Door:	- Name:	- 🔍 Search	
📄 🔟 Title	Group Auth Inquire				
Group	Door	Name			
111	HTA500PEF-N	MM1			
111	HTA500PEF-N	MM2			

8-2-3 Download

It is mainly to download users' authorizations to device.

Operation Steps:

- 1. There are two download methods. Tick "By Group Auth" or "By Device".
- 2. Select the Groups or devices which you want to download.
- 3. Download Type:
 - Download All: Download all users' information and authorizations.
 - Modification: Download modified users' information and authorizations.
- 4. Click [Start Download] to start the download.

File	Basic	Access Control	Attendance Recorder	Elevator Parkin	g TimeAttend:	ance Patrol F	leport System	External Program	Help	
·			🔏 Mifare card Issuance 🚑 A	dd Users Automatic 🤹 I	Retrieve Finger Patterr	a 🛛 💣 Remote Open I	Door 💿 Event Monito	r 🛛 🗙 Close		
Group Au	uth Setting	Group Auth Inquire	Download							
TE	ST	(A)	 \$30 \$60PEF \$52PMF \$50PMF-1 \$60PMF HTA-\$56 	(B)	Modification	ownload				
🗌 All										
⊙ By	Group Aut	1	 By Device 							
_) [_			
] [
) [
Login ADI	MIN Cur	rent opeartion: Auth S	etting Current Time 2014/3/	10 下午 05:54-54						

8-3 Event Monitor

It is mainly to monitor swipe card events or device actions in real time.

Operation Steps:

- Tick devices which you want to retrieve events. You may click [Select All]
 [Select None] [Restore] for quickly selection. (System will memorize preceding setting, when click [Restore], system will return to previous selection.)
- 2. Click [Retrieve] to retrieve the events.

Click [Stop Retrieve] then may exit retrieval function.

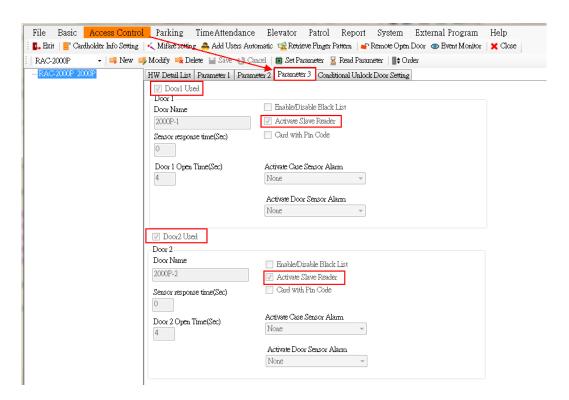
- Synchronize The Time While Activate Retrieving: Do the time synchronization one time while it start retrieving, but not do it anymore after that (the default has ticked the checkbox. This function are just for those devices which are selected on the "Time Sync" function to go for a time calibration.)
- Events: Display current retrieval.
- Schedule Log: Allow the users view schedule execute status. This function works with "Chapter 11-2 Schedule Setup".
- Advance Setting: Clean all events from screen.
- Patrol Status: Display patrol status.
- Event Menu: Operator may select what events would like to retrieval. Default is select all.

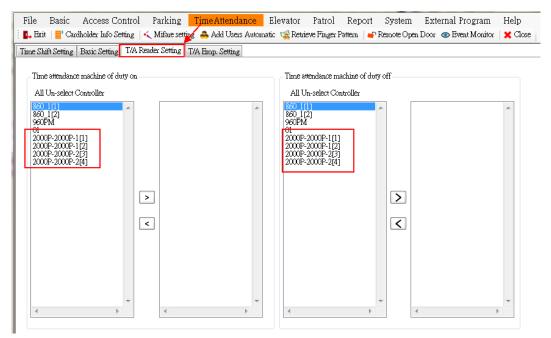
File	Basic Access	Control Park	king	Time Attendance	Elevator	Patrol R	eport Sy	stem Ext	ernal Program	Help		
🔩 Exi	it 📔 Cardholder Info	Setting 🛛 🔨 Mifa	are settin	ug 🐣 Add Users Auto	matic 🤹 Retri	eve Finger Patte	m 🛛 🛶 Remo	te Open Door	👁 Event Monitor	🗙 Close		
🕈 Retri	ieve 🔸 Stop Select J	All Select None	Advanc	e Setting 960PMF	-Test area				👿 Synchroni	ze The Time	While Activa	te Retrieving
			_									
ivents Detrieu	Schedule Log Patr Je Group	ol Status Event M		m Event								
	Device Name	Status ^	Alan	n Event Location	Name	Card N		Date	Event Explanatio	_		
	040PM-Test area	Polling De		Location	Ivane	Card IV		Jane	Event Explanatio	n		
E 8	852PMFV-Test area											
V 8	860PM-Test area	Polling De										
V 8	860PMF-Test area	Polling De										
V 8	850PM-Test area	Polling De										
V 9	960PM-Test area	Polling De										
V 8	852PMF-Test area	Polling De										
V 8	830PM-Test area	Polling De	Swip	e Card Event								
V 8	820PM-Test area	Polling De		Location	Name	Can	l No	Date	Shift	No	In/Out	Event Explanatio
2	2400-Test											
2	2000W.SN-Test											
1	100WS-Test area											
•	920PM-Test area											
2	2400N-Test		•									4
a	1600-Test		Gene	eral Event								
- 4	4600N-Test			Location	Na	ame C	ard No	Date	Even	t Explanation	L	
	502PEF-NB											
•	500PMF-N											
•	970PMDF											
- 4	4600N											
E 8	852	~										
ogin	ADMIN Curren	t opeartion: Ev	vent M	onitor Curren	t Time 2016	5/12/20 下午	02:51:19					

8-4 Time Attendance Setting

Before set Time Attendance functions, please click "Access Control" button to select the control panel; Tick to use Door 1 and Door 2 (main readers ID1 \cdot ID3) and choose whether to activate slave readers (ID 2 \cdot 4); Tick the checkbox according to on-site installations to show all devices on "Time Attendance Settings" (These settings are just for HAMS-20 / HAMS-24 access control settings)







8-4-1 Time Shift Setting

It is mainly to set duty shift.

File Basic Access Control Attendance Recorder Elevator Parking <mark>TimeAttendance</mark> Patrol Report System External Program Help ; 📴 Entit 📳 Catholder Info Setting 📲 Mifae catel Issuance 🚔 Add Uses Automatic 😭 Retrieve Finger Pattern 🔐 Remote Open Door 🐵 Event Monitor 🗶 Choce
Time Shift Setting Basic Setting T/A Reader Setting T/A Enon. Setting
If Marky Week gives 00 cool Image: State Cool Deey State C

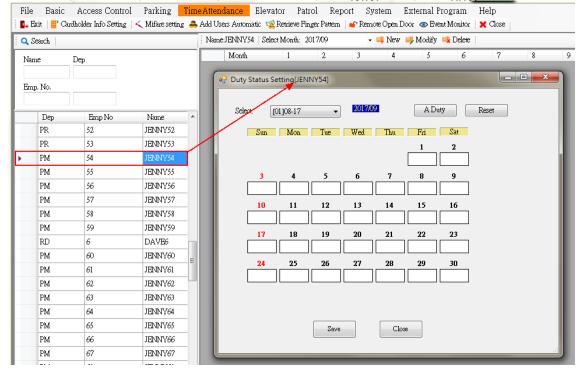
Operation Steps :

- 1. Click 「New」
- 2. Input Duty shift code and name.
- 3. Working Hour Setting : (If any need to be changed, please click "Modify" first, then edit
 - it and then press "Save")
 Pre-set Duty Shift : If it is ticked, all employees will be pre-set to this duty shift. For different duty shift setting, it needs to modify it on "Duty Shift

Setting" or go to "Cardholder info setting" to set shift name.

Duty Shift Code	Duty Shift Name	📝 Pre-set Duty Shift
02	09-18	📃 Vacation Duty Shift

Name	Date	Shift Name	Official Start	Official End
JENNY54	2017/09/21	02	09:00	18:00
JENNY55	2017/09/21	02	09:00	18:00
JENNY56	2017/09/21	02	09:00	18:00
JENNY57	2017/09/21	02	09:00	18:00
JENNY58	2017/09/21	02	09:00	18:00
				10.00



File	e <mark>Basic</mark> Ac	cess Control	Parking Time	Attenda	ance Elevator	Patrol	Report	System	Exte
i 📭	Exit <mark>=</mark> " Cardhold	er Info Setting	🔨 Mifare setting 🐣 A	dd User	s Automatic 🤹 Retriev	/e Finger Pa	attem 🛛 🛶 F	kemote Oper	Door
i 🚅 N	Vew 📑 Modify 🍯	<mark>%</mark> Delete 📔 Sa	ve 🕐 Cancel 🍕 Adva	ance 🔾	Search 🛛 First reco	and 🔺 Pre	ceding 🕨 l	Next 🕨 La	st record
Selec	x .	•	Records:10	2					
	Name	Emp No	Department	-	Name	JENNY	54		
48	DAVE5	5	RD		Deather	. Dut			
49	JENNY50	50	PR		Departmen		*		
50	JENNY51	51	PR		Emp No	54			
51	JENNY52	52	PR		Second Name	:			
52	JENNY53	53	PR		Date Start	:		-	
▶53	JENNY54	54	PM 🔪		Resignation Date	:		-	
54	JENNY55	55	PM	\searrow	- Card No	. 54			
55	JENNY56	56	PM						
56	JENNY57	57	PM		Password	:			
57	JENNY58	58	PM		Duty Shift Name	e [-	
58	JENNY59	59	PM			Card	l Swiped Onl	у	

 Vacation Duty Shift : Set Vacation (Holiday) Duty Shift for shift planning. It means to assign a certain date to be a Holiday and then it will show "Vacation" on that day in the reports of "Attendance Record Transferring".

File		ccess Control – F ler Info Setting – 🔨 1	-			trol Report Syste inger Pattern 💕 Remote C	m External Program Open Door 👁 Event Monitor	Help X Close
-		ic Setting T/A Reade						
4 1	Vew 🥏 Modify	🔩 Delete 🛯 🕍 Save	Canc	el				
	Duty Shift Code	Duty Shift Name		Duty Shift Code	Duty Shift Name	🔲 Pre-set Duty Shift	📃 Across midnight(Du	ty Off at next day)
	01	Normal class01		03	Holiday	🔶 🔽 Vacation Duty Shif	t 📃 Two duties per day	
	02.	Normal class02		Working Hour Settin				
	03	Holiday		Monday - Friday 08:00 - 17:00	Noonday Duration 12:00 - 13:00	Monday - Firday	Start working time 240 Minute	
	04	vacation	-	Delay time range	12.00		Leave early time	
				00:00 - 00:00	1	-	0 Minute	
				Saturday			Lunch Break	
				00:00 - 00:00	12:00 - 13:00	-	0 Minute	
				Sunday			Working Hours Per Day	
				00:00 - 00:00	12:00 - 13:00	-	8	
				📝 Flexible Workin	-			
				Flexible Working H				
				Time Interval	Deadline nute 09:00			

Fil			ol Parking T					-			xternal P or 👁 Eve	-	Help X Close						
q	Search			Na	me:Jenny	Select Mo	nth: 2017/	10	- 💷	New 📫 M	odify 📑 I	Delete							
N	ame	Dep			Month		1	2	3	4	5	6	7	8	9	10	11	12	
					2017/0)	01	03	04	01	01	01	01	01	03	04	01	01	C
E	np. No.			•	2017/10		04	01	01	01	01	01	04	04	01	01	01	01	C
	·		(_	_	_	_		_ 0 _						
	Dep	Emp No	Name	🖳 Du	ty Status S	etting[Je	nny]												
•	ABC	001	Jenny						_										
	ABC	002	Amy	Se	ilect:	03]Hoilda	у	2017/1		AD	uty	Reset	J						
	RD	1	DAVE1		Sun	Mon	Tue	Wed	Thu	Fri	Sat								
	RD	10	DAVE10		1	2	3	4	5	6	7								
	RD1	100	ALAN100		04	01	01		01	01	04								
	RD	11	DAVE11		8	9	10	11	12	13	14								
	RD	12	DAVE12		04	01	01		01	01	04								
	RD	13	DAVE13		15	16	17	18	19	20	21								
	RD	14	DAVE14		04	01	01	01	03	01	04								
	RD	15	DAVE15		22	23	24	25	26	27	28	I							
	SALE	16	AMY16		04	01	01		01	01	04								
	SALE	17	AMY17		29	30	31												
	SALE	18	AMY18		04	01	01												
	SALE	19	AMY19																
	RD	2	DAVE2																
	SALE	20	AMY20																
	SALE	21	AMY21				Sa	ve	Cle	ose									
	SALE	22	AMY22																
	SALE	23	AMY23		_	_	_		_		_								
	SALE	24	AMY24	-															
•		III	- F	•				III											F

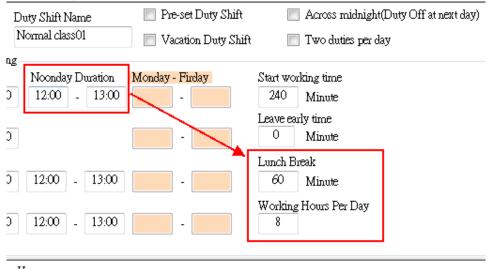
Name	Date	Shift Name	Official Start	Official End	Duty On Status	Duty Off Status
Jenny	2017/10/19	03	08:00	17:00	Vacation	Vacation
Amy	2017/10/19	02	09:00	18:00	None	None
JENNY54	2017/10/19	02	09:00	18:00	None	None
JENNY55	2017/10/19	02	09:00	18:00	None	None

- Across midnight (Duty Off at next day) : Duty off time may at next day. (Only available for one shift)
- Two duties per day : Two shifts per day; Tick the checkbox to set/edit the fields of two shifts. The "across midnight" function can't be applied to two shifts per day.
- Monday ~ Friday : Set start time and end time of weekday of first duty.

e.g.: The on duty / off duty time is 08:00 / 17:00. If an employee takes half-day off, the swiping-card time will be at noon. The system will separate the morning time or afternoon time by the midpoint of working hours. In this case, the midpoint time is 12:30. If the employee swipes card by 12:30, it will be deemed to swipe card in the morning. If it's after 12:31 to swipe card, it will be deemed as swiping card in afternoon.

- Monday ~ Friday : Set start time and end time of weekday of second duty.
- Noonday Duration : Break in and out time.

e.g.: The lunch break is from 12:00~13:00, 60 minutes in total. If the lunch break time is not included in work hours, please fill out 60 minutes in the field. If so, the system will deduct the lunch time (60 minutes) while check the employee's work hours. e.g.: as the report below, the employee clocked out at 15:30, the work hours are 6.5 hours, the abnormal work hours are 1.5 hours.



va Hours

Duty On Status	Duty Off Status	Working Start	Working End	Working Hours	Abnormal Hours	Help
Normol	Abnormal Swipe	07:57	15:30	6.5	1.5	
None	None	;	;	0.0	8	·

If lunch time is counted as hours worked, then fill out 0 to this field to make the system include the lunch time to work hours in the report. An example as below: The employee clocked out at 15:30; the work hours are 7.5 hours and the abnormal work hour is 0.5 hour.

Duty On Status	Duty Off Status	Working Start	Working End	Working Hours	Abnormal Hours	Help
Normol	Abnormal Swipe	07:57	15:30	7.5	0.5	
None	None	;	;	0.0	8	<u> </u>

Delay time range : Arrival time within this range means the cardholder is late.

e.g.: An employee's day starts at 8:00 am, finishes at 17:00. If the employee clocks in one day at 8:01, the system will determine it as lateness.



Duty On Status	Duty Off Status	Working Start	Working End	Working Hours	Abnormal Hours	Help	Late
Aurine I Lote		08:01	12.04				
Arrival Late	INOLITIO	06:01	17.04	7.9	10.1		1
	•						

If a company has 10 minutes for clock-in tolerance (grace period) and pre-set the lateness range to be 08:10~09:00, but the time 08:01~08:09 is the tolerance period, won't be counted as lateness, so the system will determine this condition to be a card-swipe abnormal case. To avoid this condition, please tick the checkbox "flexible working hours" and set the amount of flexi time.

e.g.: A company's work hours are from $08:00 \sim 17:00$; with the grace period 10 minutes, the lateness range is $08:10 \sim 09:00$. If an employee clocks in at 08:01, the system judges it as an abnormal card-swipe but not count it in lateness.



	Duty On Status	Duty Off Status	Working Start	Working End	Working Hours	Abnormal Hours	Help	1	Late	
_	Abnormal Swipe	Normol 🛌	08:01	17:04	20	0.1				Γ.
	Cand				1.2	0.1		U 4	,	Ľ –
	Abnormal Swipe	Normol	08:01	17:04	7.9	0.1		0)	Б.
	Courl				113	011		- v		

It allows to tick the checkbox of "flexible working hours" to adjust the work hours. Set 08:01~08:09 as flexi time. If an employee clock in at 8:05, it becomes normal event, not abnormal event, but the clock-out time has to be 17:06 or later. Clock out before 17:06 will be recorded as early-out.

- Working	Hour Se	etting —						
Monday	- Fridaj	y	Noonda	y Di	uation			
08:00	- 11	7:00	12:00	-	13:00			
Delay tir	ne rang	е						
08:10	- 09	9:00						
Saturday	ŗ							
00:00	- Ω	00:00	12:00	-	13:00			
Sunday								
00:00	- α	00:00	12:00	-	13:00			
🔽 Flexi	ble Woi	king H	ours					
-Flexible	Workin	ig How	s Setting					
Time	Interval		Dead	lline				
	1 Minute (28:09							

Duty On Status	Duty Off Status	Working Start	Working End	Working Hours	Abnormal Hours	Help	Late	
Normol	Normol	08:01	17:04	80	0		0	
Normol	Normol	08:01	17:04	8.0	0		0	Ċ

Duty Off Status	Working Start	Working End	Working Hours	Abnormal Hours	Help	Late	Leave Early
Leave Early	08:05	17:05	7.9	0.1		0	1
Leave Early	08:05	17:05	7.9	0.1		0	1
	Status Leave Early	Status Working Start Leave Early 08:05	Status Working Start Working End Leave Early 08:05 17:05 Leave Early 08:05 17:05	Status Wonking start Wonking End Hours Leave Early 08:05 17:05 7.9 Leave Early 08:05 17:05 7.9	Status Working Start Working End Hours Hours Leave Early 08.05 17.05 7.9 0.1 Leave Early 08.05 17.05 7.9 0.1	Status Working start Working ind Hours Heip Leave Early 08:05 17:05 7.9 0.1 Leave Early 08:05 17:05 7.9 0.1	Status Working start Working ind Hours Hours Heip Late Leave Early 08:05 17:05 7.9 0.1 0 0 Leave Early 08:05 17:05 7.9 0.1 0 0

- Saturday & Sunday: : Set start time and end time of Saturday and Sunday. Default is 00:00~00:00 which means there's no work. Accrued Time attendance record may not read data when set 00:00~00:00.
- Start Working time : Counts the half day working hours. Default is 240 minutes (4 hours). If working hours are from 08:00-17:00, start working time is 04:00.
- Leave early time : Set by minutes. It defines leave time is early then normal setting. Ex. Duty hours is from 08:00-17:00. Leave early time is 5 minutes, so the user can leave the office by 16:55. If the user leaves the office at 16:54, the system will treat this situation as an abnormal condition. If the checkbox of "flexible working hours" being ticked, the normal work hours will be changed accordingly. e.g.: the flexi-time is 10 minutes; If an employee clocks in at 08:03, the clock-out time has to be 17:10 or later. Clocks out at 17:00 ~ 17:09 will be determined as early-out.

Duty On Status	Duty Off Status	Status working Start working End		Working Hours	Abnormal Hours
Normol	Leave Early	07:58	16:55	7.9	0.1
Normol Abnormal Swipe			16:54	7.9	0.1
	317 1	~	171.00		

• Lunch Break : Listed how many minutes for lunch break. Needs to work with cardswipe on lunch break time. If the lunch break is 60 minutes, then fill out the lunch break 60 minutes. The system will deduct 60 minutes when it is in abnormal card swipe. If you don't want to deduct the lunch break time, then please just fill out "0"

• Working Hours Per Day : How many working hours a day. When employee's work hours are abnormal, the system will decide the work hours according to the settings. e.g.: in the below table, in case of the work hours are 8 hours, the employee clocks out at 15:30,the work hours are 6.5 hours and the abnormal hours are 1.5 hours.

Duty On Status	Duty Off Status	Working Start	Working End	Working Hours	Abnormal Hours	Help
Normol	Abnormal Swipe	07:57	15:30	6.5	1.5	
None	None	;	:	0.0	8	

4. Flexible working Hours : Tick the check box and input time interval and cutoff time. It defines the flexible working time. If function is not selected, the working time follows original setting.

Ex : The working hour is 08:00-17:00. If time interval is 30 minutes and cutoff time is 08:30, there will be two flexible working groups -- 0800-1700 and 0830-1730.

e.g.: as the table shown below, clocks-in at 08:15, clocks out at 17:30, it shows normal; clocks in at 08:09, clocks-out at 17:10, it will show abnormal card swipe, because the clock-out time should be after 17:30. (if set time interval to be 10 minutes, there will 3 flexi-times $08:10\sim17:10$, $08:20\sim17:20$, $08:30\sim17:30$)

Monday	- Fr	iday	Noonday	y Di	uration
08:00	-	17:00	12:00	-	13:00
Delay ti	nera	ange			
08:31	-	09:00			
Saturday	r				
00:00	-	00:00	12:00	-	13:00
Sunday					
00:00	-	00:00	12:00	-	13:00
🗸 Flexi	ble V	Vorking H	Iours		1
		-	us Setting		
	Inte	-	Dead	llin∈	
l lme					
lime	3	0 Minut	o []	30	1

Duty On Status	Duty Off Status	Working Start	Working End	Working Hours	Abnormal Hours	Help	Late
Normol	Normol	08:15	17:30	8.0	0		0
Normol	Abnormal Swipe	08:09	17:09	7.8	0.2		0

If set the time interval to be 1 minute, then it will be normal if clocks in at 08:09 and

clock out at 17:10.

V Flexible Working Hours						
- Flexible Working Hours Setting						
Time Interval	Deadline					
1 Minute	08:30					

Duty On Status	Duty Off Status	Working Start	Working End	Working Hours	Abnormal Hours	Help	Late
Normol	Normol	08:15	17:30	8.0	0		0
Normol	Normol	08:09	17:10	8.0	0		0

5.Click $\ ^{\lceil} Save \, \lrcorner$ once the above operation steps finished.

Time Shift Setting	Basic Setting	T/A Reader Setting	T/A Emp. Se
🕴 💷 New 📑 Mo	dify 🔜 Delet	e 📔 Save 🕐 Can	æl
The C120	о — то — с	01.20	

8-4-2 Basic Setting

It defines all possible reasons for requesting a leave.

Operation Steps :

- 1. Click 「New」
- 2. Input excuse code and name, ex. Annual leave, normal leave or sick leave.

3. Click \lceil Save \rfloor to save the settings.

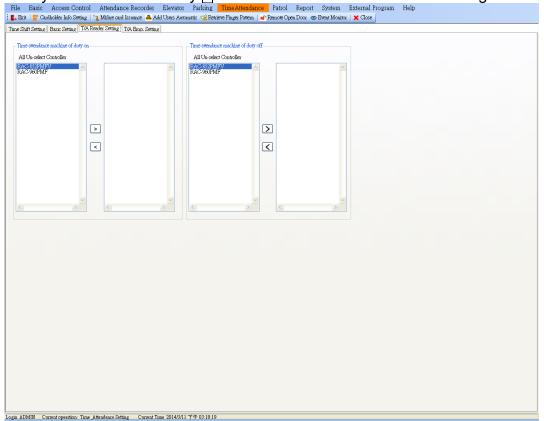
_	5	
	tor Parking TimeAttendance Patrol Report System External Program	Help
📱 🖡 Exit 📑 Cardholder Info Setting 🍡 Mifare card Issuance 🐣 Add Users	Automatic 🤹 Retrieve Finger Pattern 🗬 Remote Open Door 💿 Event Monitor 🗙 Close	
Time Shift Setting Basic Setting T/A Reader Setting T/A Emp. Setting		
🕴 💷 New 💷 Modify 🚟 Delete 🛛 🖨 Update		
Excuse code Excuse name Header Name		
	📰 Input 🦲 🗆 🔀	
	Eurouse Code:	
	Excuse Name:	
	Header Name:	
	riedoer Ivame:	
	Save Cancel	
Login & DMIN Current creation: Time & Handance Setting Current Time 201	281 77 2244.00	

8-4-3 T/A Reader Setting

If no readers are selected, the system will treat all readers are for time attendance system.

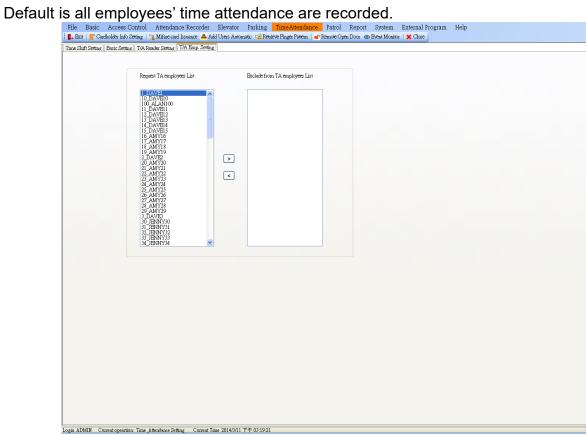
Operation Steps :

- 1. Select Duty On reader. Click key \geqslant to move the reader from left side to right side.
- 2. Select Duty Off reader. Click key b to move the reader from left side to right side.



8-4-4 T/A Emp. Setting

Select employees who don't require time attendance monitoring. Click key \ge to move the employees from left side to right side.



8-5 Duty Shift Setting

It defines employees' duty shift if user does not use preset duty shift.

Operation Steps :

- 1. Select employees or quickly search by employee name, department or Emp. number.
- 2. Select month of duty shift.
- 3. Input 「New」
- 4. Select duty shift code first then click the blank space of date, the duty shift will be assigned to the date. If the same duty shift is applicable to all dates within a month, please click 「A Duty Shift」 to assign a duty shift for whole month. For specific date of month, user can modify it manually. To clear the setting of the whole month, please click 「Reset」.
- 5. Click \lceil Save \rfloor to save the settings.

Exit Cardholder Info Setting Mifare card Issuance Q. Search Name Dep				incan - round	a open be											
Name Dep																
Emp. No.	2014/03	1	2	3 4			6 [01]A	7 [01]A	8	9	10 [01]A	11 [01]A	12 [01]A	13 [01]A	14 [01]A	
Dep Eno No Name RD 1 DAVEI RD 2 DAVE2 RD 3 DAVE3 RD 4 DAVE3 RD 6 DAVE3 RD 6 DAVE3 RD 7 DAVE5 RD 8 DAVE5 RD 8 DAVE7 RD 9 DAVE7 RD 10 DAVE1 RD 12 DAVE1 RD 13 DAVE1 RD 14 DAVE1 RD 15 DAVE15 SALE 16 AMY16 SALE 19 AMY19 SALE 20 AMY20 SALE 21 AMY21 SALE 22 AMY22 SALE 24 AMY22 SALE 25 AMY23 SALE 26 AMY24 SALE 26 AMY26		2 9 16 23 30	3 [01]A [0 [01]A [0 [01]A [0 17 [01]A [0 24	20	6 (01)A 20 (0)A (01)A	7 [01] 14 [01] 21 [01] 28 [01]	1 8 14 15 14 22 14 29									

8-6 Input Operation

It defines to set employees' excuse form. Operation Steps :

- 1. Select the employee or quickly search by Emp. No or name.
- 2. Click $\lceil New \rfloor$
- 3. Select Excuse type. Please set excuse name and code in "Basic Setting".
- 4. Select a duty per day or two duties per day.
- 5. Select AM, PM or Whole day. The system will change the date and time automatically.
- 6. If the date and time are incorrect, user may modify excuse month, date and time manually.
- 7. Click \lceil Save \rfloor .
- 8. Select the person you want to query and the system will display all the leave details for this person. You can also query by month and then click "Update".

eration		1.00	New 🗐 Modif	y 🖏 Delete Select M	(onth:	- 49 Up	late					
	Vame	-	Name	Department	Excuse	Month of	Ask for leave	Time Start	Date End	Time End	Absent Days	Absent Hours
			David1	hundure06	holiday	Leave 2019/10	date 03	08:00	03	12:00	0	4.0
			David1	hundure06	sick leave	2019/12	10	13:00	10	12:00	0	4.0
Department hundure06	Name David1	î.	David1	hundure06	sick leave	2019/12	23	08:00	23	12:00	0	4.0
ABC	David1 David2		David1	Leave Form		2019/12	2			12:00	0	4.0
ABC	David2 David3		David1		mpar					23:59	1	0.0
ABC	David4		Losvidi	Emp I	D: 00001 [David]	0				25.59		0.0
ABC	David5			Excus								
ABC	David6				k leave] 📼	A duty per	day 💿 Two duties p	er day				
ABC	David7				of Leave							
ABC	David8			2020/0	•1 •	AM	PM	O Wholeday				
ABC	David9											
ABC	David10											
ABC	David11											
ABC	David12			stau	t Date Time	r11	(Hour)	1				
ABC	David13			08				4				
ABC	David14											
ABC	David15											
ABC	David16											
ABC	David17											
ABC	David18											
ABC	David19											
ABC	David20				ſ		~					
ABC	David21					Save	Close					
ABC	David22								.d			
ABC	David23											
ABC	David24											
ABC	David25											
100	David26											
ABC												

8-7 Attendance Records Transferring

Specify the range of time attendance records according to department, employee name, employee no. or date. After report has been generated, if duty shift or swipe card data have been changed, please delete the report, renew the selections and click 「Reset」. The newly time attendance report will be generated. Report can be converted to TXT or XLS format for other application.

	more, Edin 1 Lynn	sterring 📑 P	rint Title Time	e Attendancae Re	port									
Selec	Name Emp No Date	De	partmént:	Search	Sav		Excel Format		Export					
		. 2020/0 		D		077.117	0771171	Duty On	Duty Off			Working	Abnormal	
	Department	Emp No	Name	Date	Shift Name	Official Start	Official End	Status	Status	Working Start	Working End	Hours	Hours	Help
1	ABC	00002	David2	2020/01/08	01	08:00	17:00	None	None			0.0	8	
2	ABC	00003	David3	2020/01/08	01	08:00	17:00	None	None			0.0	8	
3	ABC	00004	David4	2020/01/08	01	08:00	17:00	None	None			0.0	8	
4	ABC	00005	David5	2020/01/08	01	08:00	17:00	None	None			0.0	8	
5	ABC	00006	David6	2020/01/08	01	08:00	17:00	None	None			0.0	8	
6	ABC	00007	David7	2020/01/08	01	08:00	17:00	None	None	**(**		0.0	8	
7	ABC	00008	David8	2020/01/08	01	08:00	17:00	None	None			0.0	8	
8	ABC	00009	David9	2020/01/08	01	08:00	17:00	None	None			0.0	8	
9	ABC	00010	David10	2020/01/08	01	08:00	17:00	None	None			0.0	8	
	ABC	00011	David11	2020/01/08	01	08:00	17:00	None	None			0.0	8	
	ABC	00012	David12	2020/01/08	01	08:00	17:00	None	None			0.0	8	-
	ABC	00013	David13	2020/01/08	01	08:00	17:00	None	None			0.0	8	
	ABC	00014	David14	2020/01/08	01	08:00	17:00	None	None			0.0	8	-
	ABC	00015	David15	2020/01/08	01	00:80	17:00	None	None			0.0	8	
	ABC	00016	David15	2020/01/08	01	08:00	17:00	None	None			0.0	8	
	ABC	00017	David16 David17	2020/01/08	01	08:00	17:00	None	None			0.0	8	
	ADU .	00017	Daviot /	2020/01/08	01		17:00	10000				0.0	0	

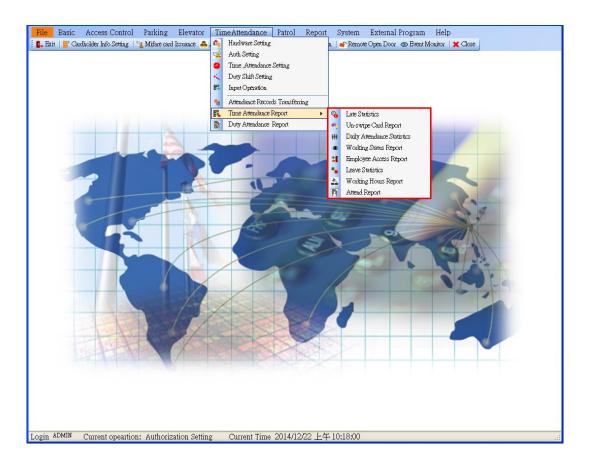
8-8 Time Attendance report

Specify the range of time attendance records according to department, employee name, and employee no or date. Report can be converted to TXT or XLS format for other application.



브 : Print 🜼

Report column is remove able (Do not support Daily Attendant Statistic)



8-8-1 Late Statistic

Specify the range according to Cardholder Name, Department, Emp No and Date selection.

File	Basic Acc	ess Control – H	arking Elevato	or Time Attend	lance Patrol	Report S	ystem External F	rogram Help		
			-			-	- P Remote Open Door		🗙 Close	
📑 Pr	int 晴 Column 📔	Title Late Statistics			····					
<u> </u>										
-Condi	ition Name	Departme	nt Search		tport] Text	Excel				
[Emp No				we Path WEXPORT.TXT			Exp	port	
	Date 2014/12/01 🗸	- 2014/12/29	*							
	Department	Emp No	Name	01[Mo]	02[Tu]	03[We]	04[Th]	05[Fr]	06[Sa]	07[Su]
▶ 1	General Manager	0000000001	Daveid1	0	0	0	0	0	0	0
2	General Manager	000000002	Daveid2	0	0	0	0	0	0	0
3	Marketing Busin	000000003	Daveid3	0	0	0	0	0	0	0
4	Marketing Busin	000000004	Daveid4	0	0	0	0	0	0	0
5	Research Busine	000000005	Daveid5	0	0	0	0	0	0	0
6	Research Busine	000000006	Daveid6	0	0	0	0	0	0	0
7	Production Busin	000000007	Daveid7	0	0	0	0	0	0	0
8	Production Busin	000000008	Daveid8	0	0	0	0	0	0	0
9	Chairman room	000000009	Daveid9	0	0	0	0	0	0	0
10	Chairman room	0000000010	Daveid10	0	0	0	0	0	0	0

8-8-2 Un-swipe Card Report

Allow operators to query un-swipe card employee information.

If users have two duty shifts, the report may display two duty shifts' information.

File			arking Elevato			Report Syste				
				💑 Add Users Auto	matic 🙀 Retrieve F	ingër Pattërn 🛛 🛶 R	emote Open Door	💿 Event Monitor 🔰	Close	
Pi 🛑 Pi	rint 🔚 Column 1	Title Un-swipe Can	d Report							
0.1					The set					
-Cond	Name	Departmen	nt Search	1	Export Text	Excel				
	Emp No] [rip(Duty On)	Save Path C:\EXPORT.TXT			E	İxport	
L L	Date		Un-sw	rip(Duty Off)						
[2014/12/01	- 2014/12/29	~							
	Name	Emp No	Department	Date	Working Status(1)	Duty Off Status(1)	Working Status (2)	Duty Off Status (2)		^
▶ 1	Chairman room	000000009	David9	2014/12/18	None	None	None	None		
2	Chairman room	000000009	David9	2014/12/19	None	None	None	None		
3	Chairman room	000000009	David9	2014/12/20	None	None	None	None		
4	Chairman room	0000000010	David10	2014/12/18	None	None	None	None		
5	Chairman room	0000000010	David10	2014/12/19	None	None	None	None		
6	Chairman room	0000000010	David10	2014/12/20	None	None	None	None		
7	General Manager	0000000001	David1	2014/12/20	None	None	None	None		
8	General Manager	000000002	David2	2014/12/20	None	None	None	None		
9	hundure	0000000011	David11	2014/12/18	None	None	None	None		
10	hundure	000000012	David12	2014/12/18	None	None	None	None		
11	hundure	0000000013	David13	2014/12/18	None	None	None	None		
12	hundure	0000000014	David14	2014/12/18	None	None	None	None		
13	hundure	0000000015	David15	2014/12/18	None	None	None	None		
14	hundure	000000016	David16	2014/12/18	None	None	None	None		
15	hundure	0000000017	David17	2014/12/18	None	None	None	None		
16	hundure	0000000018	David18	2014/12/18	None	None	None	None		
17	hundure	0000000019	David19	2014/12/18	None	None	None	None		
18	hundure	000000020	David20	2014/12/18	None	None	None	None		
19	hundure	000000021	David21	2014/12/18	None	None	None	None		
20	hundure	000000022	David22	2014/12/18	None	None	None	None		
21	hundure	000000023	David23	2014/12/18	None	None	None	None		
	-	1		-		1				

8-8-3 Daily Attendant Statistic

Allow users query by department. If search directly, system will display all user amounts by every department.

File Basic Access Control Parking Elevator Time Attendance Patrol Report System External Program Help
🗄 📭, Exit 🗧 Cardholder Info Setting 🍡 Mifare card Issuance 🐥 Add Users Automatic 😭 Retrieve Finger Pattern 💣 Remote Open Door 👁 Event Monitor 🗙 Close
🔮 Print Title Daily Attendance Statistics
ConditionExport
Department 🗸 Text 🗌 Excel
Save Path
Date CVEXPORT.TXT Export
2014/12/29 🗸 - 2014/12/29 🗸
Department 29(Mo)
▶ 1 hundure 0
2 Chairman room 0
3 Production Busin 0
4 Research Busine 0
5 Marketing Busin 0
6 General Manager 0

8-8-4 Working Status Report

Specify the range according to Cardholder Name, Department, Emp No and Date selection.

File			-	ator <mark>Time Atten</mark> o æ 🚑 Add Users Auto		Report Syst Finger Pattern 🛛 🖝 1		rogram Help D Event Monitor 🗙 Close	
: 📑 Pi	int 🐴 Column	Title Working Statu	s Report						
Cond	Name	Departmer		uch	tport] Text we Path	Excel			
	Emp No				EXPORT.TXT			Export	
	Date 2014/12/18 💌	- 2014/12/20	*						
	Department	Emp No	Name	18[Th]	19[Fr]	20[Sa]	Days		
▶ 1	General Manager	0000000001	Daveid1	[08:48]-[18:48] [:]-[:]	[09:05]-[22:32] [:]-[:]	[;]-[;] [;]-[;]	2		
2	General Manager	000000002	Daveid2	[08:48]-[18:48] [:]-[:]	[09:05]-[22:32] [:]-[:]	[:]-[:] [:]-[:]	2		
3	Marketing Busin	000000003	Daveid3	[:-]-[:] [:]-[:]	[;]-[;] [;]-[;]	[:]-[:] [:]-[:]	0		
4	Marketing Busin	000000004	Daveid4	[;]-[;] [;]-[;]	[;]-[;] [;]-[;]	[;]-[;] [;]-[;]	0		
5	Research Busine	0000000005	Daveid5	[:]-[:] [:]-[:]	[;]-[;] [;]-[;]	[;]-[;] [;]-[;]	0		
6	Research Busine	000000006	Daveid6	[;]-[;] [;]-[;]	[;]-[;] [;]-[;]	[;]-[;] [;]-[;]	0		
7	Production Busin	000000007	Daveid7	[:]-[:] [:]-[:]	[;]-[;] [;]-[;]	[;]-[;] [;]-[;]	0		
8	Production Busin	000000008	Daveid8	[;]-[;] [;]-[;]	[:]-[:] [:]-[:]	[;]-[;] [;]-[;]	0		
9	Chairman room	000000009	Daveid9	[;]-[;] [;]-[;]	[;]-[;] [;]-[;]	[;]-[;] [;]-[;]	0		
10	Chairman room	0000000010	Daveid10	[;]-[;] [;]-[;]	[:]-[:] [:]-[:]	[;]-[;] [;]-[;]	0		

8-8-5 Employee Access Report

Specify the range according to Cardholder Name, Department, Emp No and Date selection.

File Basic Access Control Parking Elevator imeAttendance Patrol Report System External Program Help 📭 Exiti 📔 Cardholder Info Setting 📘 Mifare card Issuance 🐥 Add Users Automatic 😪 Retrieve Finger Pattern 📔 Remote Open Door 👁 Event Monitor 🗎 🗙 Close 🚍 Print 📲 Column | Title Employee Access Report Export Condition Name Department 🗹 Text 📃 Excel Search Save Path Emp No C. EXPORT. TXT ... Export Date 2014/12/01 - 2014/12/29 ~ In/Out Emp No Name Location Card No. Date Time 1 0000000 David1 1894253946 2014/12/17 16:16:02 IN 0000000001 David1 1894253946 2014/12/18 13:50:06 IN 2 0000000001 000000023[1] 1894253946 IN 3 David1 2014/12/18 14:16:40 4 0000000001 David1 0000000023[1] 1894253946 2014/12/18 14:17:25 IN 0000000001 David1 000000023[1] 1894253946 2014/12/18 14:17:33 IN 5 0000000001 David1 1894253946 2014/12/18 14:17:34 IN 000000023[1] 6 7 000000001 David1 0000000023[1] 1894253946 2014/12/18 14-17-35 IN 8 0000000001 David1 000000023[1] 1894253946 2014/12/18 14:17:36 IN 0000000001 David1 000000023[1] 1894253946 2014/12/18 14:17:37 IN 9 10 000000001 David1 000000023[1] 1894253946 2014/12/18 14:17:38 IN 11 0000000001 David1 0000000023[1] 1894253946 2014/12/18 14:17:39 IN 12 000000001 0000000023[1] 1894253946 2014/12/18 14:17:40 David1 IN 13 000000001 IN David1 0000000023f11 1894253946 2014/12/18 14:17:41 14 0000000001 David1 0000000023[1] 1894253946 2014/12/18 14:17:42 IN 15 0000000001 David1 000000023[1] 1894253946 2014/12/18 14:17:43 IN 16 0000000001 David1 1894253946 2014/12/18 14:19:48 IN 0000000023[1] 17 0000000001 David1 000000023[1] 1894253946 2014/12/18 14:20:38 IN 18 0000000001 David1 1894253946 2014/12/18 15:32:47 IN 19 0000000001 David1 1894253946 2014/12/19 17:15:37 IN 20 000000001 1894253946 IN David1 960PMF 2014/12/19 18:00:46 21 0000000001 David1 1894253946 2014/12/19 18:00:47 IN 2014/12/19 1894253946 09-55-48 1000001 IN

8-8-6 Leave Statistics

It is mainly display the total leave hours per month.

Specify the range according to Cardholder Name, Department, Emp. No and Month selection.

File		cess Control	Parking Elevat				System	External I	-	Help	
📕 E	xit 📑 Cardholde	er Info Setting 🎙	Mifare card Issuance	🐣 Add User	s Automatic Ré	etrieve Finger Pattern	🛶 Remote	e Open Door	👁 Event M	onitor 🛛 🗙 Close	
📑 Pr	int 🔚 Column	Title Leave Statis	stic								
- Cond	ition				Export						
	Name	Depa	artment		🗹 Text	Excel					
			Searci	1							
	Emp No		Working	Hours Per	Save Path						
			day		C.VEXPORT.T	XI				Export	
	Date		8								
E		~		-							
	Emp No	Name	Department	Excuse	Days	Hours					
▶ 1	1	DAVE1	RD	Holiday	0	4.0					
	u*		10	1101000)	, v	110					

8-8-7 Working Hours Report

Specify the range according to Cardholder Name, Department, Emp. No and Month selection.

This report is different from Daily attendance statistic. In this report, it is not only calculate working hours per day, but also display first in and last out time.

		er Info Setting 🔧 ng Hows Report	Mifare card Issuance	💑 Add Users Au	itomatic 🧏 Retrieve	Finger Pattern 🛛 🚅	Remote Open Doo	r 💿 Event Monito	r 🗙 Close	
Cond	lition				Export					
	Name	Departm	0		Text	Excel				
			Search			_				
	Emp No				Save Path C:\EXPORT.TXT				Export	
					C. LAFORI.IAI				Lapon	
	Date									
	2014/12/01	- 2014/12/29	*							
	Name	Emp No	Department	Date	Anival Time	Leave Time	Anival Time(2)	Leave Time(2)	Working Hours	
1	Daveid1	0000000001	General Manager	2014/12/18	08:48	18:48			8.0	
2	Daveid1	0000000001	General Manager	2014/12/19	09:05	22:32			7.9	
3	Daveid1	0000000001	General Manager	2014/12/20					0.0	
4	Daveid2	000000002	General Manager	2014/12/18	08:48	18:48			8.0	
5	Daveid2	000000002	General Manager	2014/12/19	09:05	22:32			7.9	
6	Daveid2	000000002	General Manager	2014/12/20					0.0	
7	Daveid3	000000003	Marketing Busin	2014/12/18					0.0	
8	Daveid3	000000003	Marketing Busin	2014/12/19					0.0	
9	Daveid3	000000003	Marketing Busin	2014/12/20					0.0	
10	Daveid4	0000000004	Marketing Busin	2014/12/18					0.0	
11	Daveid4	000000004	Marketing Busin	2014/12/19					0.0	
	Daveid4	000000004	Marketing Busin						0.0	
	Daveid5	000000005	Research Busine						0.0	
14	Daveid5	000000005	Research Busine	2014/12/19					0.0	
15	Daveid5	000000005	Research Busine						0.0	
	Daveid6	000000006	Research Busine						0.0	
	Daveid6	000000006	Research Busine						0.0	
18	Daveid6	000000000	Research Busine						0.0	
19		000000007	Production Busin						0.0	
20	Daveid7	000000007	Production Busin						0.0	
21		000000007	Production Busin						0.0	
22	Daveid8	000000008	Production Busin						0.0	
	Daveid8	000000008	Production Busin						0.0	
24	Daveid8	0000000008	Production Busin	2014/12/20					0.0	
25	Daveid9	000000009	Chairman room	2014/12/18					0.0	

8-8-8 Attend Report

Specify the range according to Cardholder Name, Department, Emp. No and Month selection.

File		.ccess Control lder Info Setting *	Parking Mifare card	Elevator Issuance 🐣 A	Time Attendand Add Users Automatic		eport Syster r Pattern 🛶 Re		-					
10	Print Title Att	end Report	-											
<u> </u>														
-Cond	Condition Name Department Emp No Date 2014/12/18													
	Date 2014/12/18	- 2014/12/1	8 🗸											
	2014/12/18	- 2014/12/1	0 🚩											
	Department	Emp No	Name	Date	Working Start	Working End	Working Hours	Late	Leave Early					
▶ 1	General Man	0000000001	David1	2014/12/18	08:48	18:48	8.0	0	0					
2	General Man	000000002	David2	2014/12/18	08:48	18:48	8.0	0	0					
3	Marketing U	000000003	David3	2014/12/18		;	0.0	0	0					
4	Marketing U	000000004	David4	2014/12/18			0.0	0	0					
5	Research Unit	0000000005	David5	2014/12/18			0.0	0	0					
6	Research Unit	000000006	David6	2014/12/18	;	;	0.0	0	0					
7	Production	000000007	David7	2014/12/18	; *	;	0.0	0	0					
8	Production	000000008	David8	2014/12/18			0.0	0	0					
9	Chairman ro	000000009	David9	2014/12/18			0.0	0	0					
10	Chairman ro	0000000010	David10	2014/12/18			0.0	0	0					

8-9 Duty Attendance Report

Provide seven different attendance reports. But only support signal duty shift. Regarding overtime data, you must use hardware function keys and select OT-Start / OT-End status upon swipe card. Otherwise, overtime data will not be counted.

The fields of Noon_End, Noon_Start in the single duty shift attendance report are acquired according to the noon-break period.

Example:

If the noon-break period is $12:00 \sim 13:00$, the system will only refer to the swiping card records during $12:00 \sim 13:00$, and ignore the records beyond this range. Therefore, swiping card during $12:00 \sim 12:30$ will be looked as off-duty at noon, and the swiping card after 12:30 will be looked as on-duty at noon.

8-9-1 Attendance Sheet

Base on employee to generate attendance reports. Specify the range according to name, department, employee no, card no and Month selection.

File B	asic Acce	ess Control	Parking E	levator 📕	Time Attendan	ce Patrol	Report	System I	External Program He	elp	
Exit 🛛	📒 Cardholder	Info Setting 🛛 🧏	Mifare card Iss	uance 🚑 Ad	ld Users Automati	c 🤹 Retrieve I	Finger Pattern	🖌 🖌 Remote C	Open Door 💿 Event Monito	m 🛛 🗙 Close	
Selection A	Attendance Shee	rt		🗸 🔍 Search							
	Name		Depart	ment							
					1						
	Emp No		Card	No	ı						
	Date										
2014/1	2/1	v ~	2014/12/22	*							
14 4 4											
<u> </u> ∢ ∢ 1	of 2	> > 🏟 🗉	1 💷 🖂 - 📔	100%	•						
				Attendan	ce Sheet						
							20	444000	- 00 00 45		
							20	114/12/22 下名	+ 02:29:45		
•		ame:David1 D		-							
Date	Duty On	Noon_End	Noon_Start	Duty Off	Working Hours	OT_Start	OT_End	Overtime Hour			
2014/12/18	8 08:48			18:48	8.0	19:32	22:32	4.5	5		
2014/12/19	9 09:05			22:32	7.9	19:32	22:32	4.5	5		
2014/12/20]:			:	0.0			0.0)		
Emp No:0(000000002 N	ame:David2 D)EP:General	Manager							
Date	Duty On	Noon_End	Noon_Start	Duty Off	Working Hours	OT_Start	OT_End	Overtime Hour			
2014/12/18	8 08:48			18:48	8.0	19:32	22:32	4.5	5		
2014/12/19	9 09:05			22:32	7.9	19:32	22:32	4.5	5		
2014/12/20):			:	0.0			0.0	1		
Emp No:00	00000003 N	ame:David3 D	EP:Marketir	g Unit							
Date	Duty On	Noon_End	Noon_Start	Duty Off	Working Hours	OT_Start	OT_End	Overtime Hour			
2014/12/18	3:			:	0.0			0.0	1		
2014/12/19	9:			:	0.0			0.0	1		
2014/12/20):			:	0.0			0.0)		
Emp No:00	000000004 N	ame:David4 D	EP:Marketir	g Unit							
Date	Duty On	Noon_End	Noon_Start	Duty Off	Working	OT_Start	OT_End	Overtime			
Login ADI	MIN Curre	nt opeartion:	Duty Attend	lance Rep	ort Currer	nt Time 201	4/12/22 下	午 02:29:59)		

8-9-2 Daily Attendance Report

File Basic	Access C	Lontrol Pa	arking Elev:	ator <mark>Tim</mark>	ne Attendance	Patrol	Report S	system Exte	ernal Program Help	
🕴 🕵 Exit 🛛 🧧 C	ardholder Info	Setting 🔧 M	ifare card Issuanc	æ 🐣 Add Us	sers Automatic 👖	🤹 Retrieve Fin	iger Pattern 🛛	🕜 Remote Open	Door 💿 Event Monitor 🛛 🗶 Close	
Selection Daily	Attendance Rep	port	~ (🔍 Search						
ħ	Vame		Department	+						
· · ·		7 [
En	mp No		Card No							
1	Date									
2014/12/18	4	~								
∢ ∢ 1	of 1 🕨 🎽	N 🏟 🔲 🎗	🗋 💐 - 1009	%	•					
			 Dail	y Attendanci	e Report					
				, 1	5 Hopon					
							2014	/12/22 下午 02	::47:15	
Date	Duty On	Noon_End	Noon_Start	Duty Off	Working Hours	OT_Start	OT_End	Overtime Hour		
Emp No:00000	00001 Name	e:David1 DEF	P:General Ma	nager						
2014/12/18	08:48			18:48	8.0	19:32	22:32	4.5		
Emp No:00000	00002 Name	:David2 DEF	?:General Ma	nager						
2014/12/18	08:48			18:48	8.0	19:32	22:32	4.5		
Emp No:00000	00003 Name	David3 DEF	?:Marketing U	Init						
2014/12/18	:			:	0.0			0.0		
Emp No:00000	00004 Name	:David4 DEF	P:Marketing U	/nit						
2014/12/18	:			:	0.0			0.0		
Emp No:00000	00005 Name	:David5 DEF	P:Research Ur	nit						
2014/12/18	:			:	0.0			0.0		
Emp No:00000		David6 DEP	?:Research Ur							
2014/12/18	:			:	0.0			0.0		
Emp No:00000		:David7 DEP	':Production							
2014/12/18	:			:	0.0			0.0		
Emp No:00000		:David8 DEP	':Production							
2014/12/18	:			:	0.0			0.0		
Emp No:00000	00009 Name	:David9 DEP	':Chairman re	om						
Login ADMIN	Current c	peartion D	utv Attendan	ce Report	Current 1		12/22 下午	- 02-47-25		

8-9-3 Weekly Attendance Report

					_				
File Basic			rking Elev		e Attendance	_	-	-	ernal Program Help
					sers Automatic 1	😪 Retrieve Fin	ger Pattern	🛶 Remote Open	Door 👁 Event Monitor 🛛 🗙 Close
Selection Week	y Attendance R	eport	v (Search					
1	lame		Departmen						
	np No		Card No						
	прио		Card Ivo						
	Date								
2014/12/15	~	~ 20	14/12/21	~	Previous week	This	week	Next Week	
				L					
	of 1 🕨 🕨	🏟 🗖 🎗	🖬 🔍 - 📔 100	%	-				
			Weel	dy Attendan	ce Report				
							201	4/12/22 下午 02	2:56:08
Date	Duty On	Noon_End	Noon_Start	Duty Off	Working	OT_Start	OT_End	Overtime	
					Hours			Hour	
Emp No:00000		:David1 DEF	P:General Ma						
2014/12/18	08:48			18:48	8.0	19:32	22:32	4.5	
2014/12/19	09:05			22:32	7.9	19:32	22:32	4.5	
2014/12/20	:			:	0.0			0.0	
Emp No:00000		:David2 DEF	2:General Ma			10.00			
2014/12/18	08:48			18:48	8.0	19:32	22:32	4.5	
2014/12/19	09:05			22:32	7.9	19:32	22:32	4.5	
2014/12/20	:	5 1 10 5 F		;	0.0			0.0	
Emp No:00000		:David3 DEF	?:Marketing U						
2014/12/18	:			;	0.0			0.0	
2014/12/19	:			;	0.0			0.0	
2014/12/20	:	Devide DEF		:	0.0			0.0	
Emp No:00000		:David4 DEF	:marketing U						
2014/12/18 2014/12/19	;			;	0.0			0.0	
2014/12/19	;			;	0.0			0.0	
2014/12/20 Emp No:00000		Double DEF).Doooorot U	:	U.U			0.0	
2014/02/00	oooo name	.Davido DEF	.r.esearch U		0.0		1	0.0	
Login ADMIN	Current o	peartion: D	uty Attendan	ce Report		Time 2014/	12/22 下午		

8-9-4 Monthly Attendance Report

File Basic	Access C		1.1				,	D 1	1 0		<i>a</i> .		1.5		77.1									
File Basic			rking	Elevat	_		endance	_		-	System		ernal Pr	-	Help	• Close								
			liaic caiu			Oscis A	utomatuc	A LCOIC	4C I INSCI	raucin	- Kun	ioie Open	Door C	> Pacific Is		A 01000								
·	Selection Monthly Attendance Report 🗸 🗸 Search																							
1	Name Department																							
Б	mp No		Ca	rd No																				
	Date																							
2014/12	~																							
 ∢ ∢ 1	of 1 🕨 🕨	🏟 🔲 🎗	- I	100%			-																	
				Monthly	Attend	ance Re	enort																	
				,																				
										201	4/12/22	下午03	3:01:47											
Emp No DEP	Name Total Hours	Overtime Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
00000000001 General Manager's Office	Daveid1 0	0																		08:48 18:48	09:05 22:32	;		
0000000002 General Manager's Office	Daveid2 0	0																			09:05 22:32	;		
0000000003 Marketing Business Unit	Daveid3 0	0																		;	;	;		
0000000004 Marketing Business Unit	Daveid4 0	0																			\ \	;		
0000000005 Research Business Unit	Daveid5 0	0																				;		
0000000006 Research Business Unit	Daveid6 0	0																		;	:	;		
0000000007 Production Business Unit	Daveid7 0	0																		:	:	;		
D000000008 Production	Daveid8 0	0 peartion: D	Little Att-	ndan	Done	**	Current	Time O	014/10	00 F'	T 02.01	1.55								;	(((;		

8-9-5 ON leave Report

File Basic	A	Control Pa	ulting Elem	ator Tim	eAttendance Pat	trol Re	port	System	Enternel	Program	Hale				
			-		ie Attendarice Pat isers Automatic 🥨 Retr		-								
		Second 1 2 IN			sers Automatic 🧏 Net	ieve ringer	ratten	- Remos	e Open Door	C Event i	VIONNOT	× CIOSE	<u>.</u>		
Selection ON le	ave Report		× C	Search											
И	lame		Department												
Fn	np No		Card No												
	10140		0000140												
	Date														
2014/12/ 1	*	- 20	14/12/22	*											
1														 	
<u> </u> ∢ ∢ 1	of 1 🕨 🌾	1 🏟 🔲 🕯	🗋 💐 - 📔 100:	6	•									_	
				ON leave R	eport										
							204								
							201	4/12/22	*午 03:03:1	1					
Date	Duty On	Noon_End	Noon_Start	Duty Off	Abnormal/Overtime	e Hour									
Emp No:00000	00001 Name	e:David1 DEF	P:General Ma	nager											
2014/12/18	08:48			18:48		4.5									
2014/12/19	09:05			22:32		4.5									
2014/12/20	:			;		0.0									
Emp No:00000	00002 Name	e:David2 DEF	P:General Ma	nager											
2014/12/18	08:48			18:48		4.5									
2014/12/19	09:05			22:32		4.5									
2014/12/20	:			;		0.0									
Emp No:00000	00003 Name	David3 DEF	P:Marketing U	nit											
2014/12/18	;			:		0.0									
2014/12/19	;			:		0.0									
2014/12/20	:			:		0.0									
Emp No:00000	00004 Name	David4 DEF	P:Marketing U	nit											
2014/12/18	;			:		0.0									
2014/12/19	;			:		0.0									
2014/12/20	;			:		0.0									
Emp No:00000	00005 Name	:David5 DEF	P:Research U	nit											
2014/12/18	;			;		0.0									
2014/12/19	;			;		0.0									
2014/12/20	;			;		0.0									
Login ADMIN	Current c	peartion: D	uty Attendan	ce Report	Current Time	2014/12	22 下4	F-03:03:2	27						

8-9-6 Overtime Report

File Basic			-		: <mark>Attendance</mark> Patrol Report System External Program Help as Awomatic 🥨 Retnieve Finger Pattenn 🖝 Remote Open Door 👁 Event Monitor 🗙 Close
Selection Overti		Setting 1 3 Ivi		🕰 🚗 Add Ost 🔍 Search	is Automatic 😪 Retrieve Finger Fattern 📔 Retrieve Open Door 🐨 Event Monitor 👗 Globe
-					
M	lame		Departmen	đ	
En	np No	_	Card No		
1	Date				
2014/12/ 1	•	~ ~ 20	14/12/22	~	
<u> </u> ∢ ∢ 1	of 1 🕨 🕴	🏟 🔲 🎗	🗆 🔍 - 📔 100	%	
				Overtime Re	port
					2014/12/22 下午 03:04:19
Emp No	Name	DEP	Date	Overtime	
Emp No:00000	00001 Name	Douid1 DEF) Conorol Mc	Hour	
				-	
0000000001	David1	General Manager	2014/12/18	4.5	
0000000001	David1	General Manager	2014/12/19	4.5	
0000000001	David1	General Manager	2014/12/20	0.0	
Emp No:00000	00002 Name	:David2 DEF	General Ma	nager	
0000000002	David2	General Manager	2014/12/18	4.5	
0000000002	David2	General Manager	2014/12/19	4.5	
0000000002	David2	General Manager	2014/12/20	0.0	
Emp No:00000	00003 Name	David3 DEF	:Marketing	Jnit	
0000000003	David3	Marketing Unit	2014/12/18	0.0	
000000003	David3	Marketing Unit	2014/12/19	0.0	
0000000003	David3	Marketing Unit	2014/12/20	0.0	
Emp No:00000	00004 Name	:David4 DEF	:Marketing	Jnit	
0000000004	David4		2014/12/18	0.0	
Login ADMIN	Current c	peartion: D	uty Attendar	ice Report	Current Time 2014/12/22 下午 03:04:25

8-9-7 Attendance Summary

File Basic			rking Elev		e Attendance		Report	System		Program					
🗄 🕵 Exit 📔 C					sers Automatic	🤹 Retrieve Fiz	iger Pattern	🛛 🛶 Remo	te Open Door	💿 Event l	Monitor	🗙 Close	е		
Selection Attend	lance Summar	<i>y</i>	~ C	Search											
N	lame		Department												
E-	np No		Card No												
Lin	тр 140		Card No												
	Date	-													
2014/12/ 1		~ 20	14/12/22	*											
∢ ∢ 1	of 1 🕨 🕴	1 🏟 🔲 🛛	🛯 🔍 - 1009	6	•										
			Att	endance Su	immary										
							20)14/12/22 -	下午 03:05:	58					
Emp No	Name	DEP	Un-Swipe	Leave(Late(Houre)	Early(Hours									
Empireo	Indiffe	DEI	card (times)	Hours)	Late(110013))									
Emp No:00000	00001 Namo	e:David1 DEF	General Ma	nager											
0000000001	David1	General Manager													
0000000001	David1	General Manager													
0000000001	David1	General Manager													
Emp No:00000	00002 Name	e:David2 DEF	General Ma	nager											
0000000002	David2	General Manager													
000000002	David2	General Manager													
0000000002	David2	General Manager													
Emp No:00000	00003 Namo	e:David3 DEF	Marketing U	nit											
000000003	David3	Marketing Unit													
000000003	David3	Marketing Unit													
000000003	David3	Marketing Unit													
Emp No:00000	00004 Name	e:David4 DEF	Marketing U	nit											
0000000004	David4	Marketing												 	
Login ADMIN	Current of	ppeartion: D	uty Attendan	ce Report	Current	Time 2014	12/22 下	午03:06	:01						

9. Patrol

Please add device in "Access Control Hardware Setting" workspace first. And refer to 5-1-4 parameter 3. For patrol settings, please tick boxes of Gate1/2 (Reader ID $1 \cdot 3$) and activate slave reader (Reader ID $2 \cdot 4$). Settings might be different depending on the actual installation setup.

9-1 Patrol Hardware Setting

It defines station name of patrol points.

Operation Steps :

- 1. Click $\lceil New_{\perp} \circ \rceil$
- 2. Select controller
- 3. Input patrol station name
- 4. Click \lceil Save \rfloor to save the settings.

File Basic Access Control Attendance Recorder Elevator Parking TimeAttendance Patrol Report System External Program Help E Ent 📑 Cardholder Info Setting 👔 Miñae card Isuance 🚔 Add Users Automatic 😭 Retrieve Finger Patten 🖙 Remote Open Door 👁 Event Monitor 🛛 🗙 Close	
New 🦻 Modify 👒 Deleve 📓 Sive 🔮 Cancel	-
Controller name RAC-852PMFV Phtrol stetion name	
Controller Name Patrol Station Name	
RACSORME AA	
Lean ADMIN Current overstion. Faulo Hardware Setting Current Tame 2014/2/11 T+F 04 27 52	

9-2 Patrol Route Setting

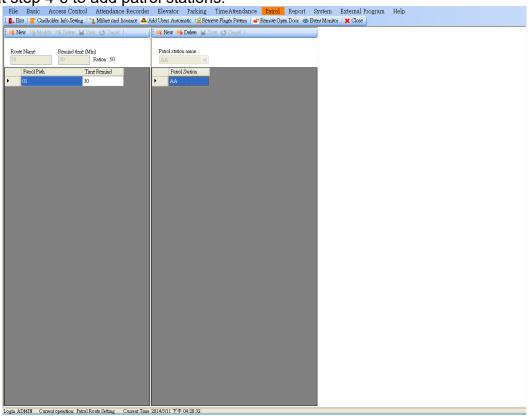
Sets patrol station to be visited in a patrol route.

Operation Steps :

There are two sections, left side is patrol route setting and right side is patrol station setting.

- 1. Click $\lceil New \rfloor$ on left panel.
- 2. Input patrol route name and remind time. (Remind time function is reserved)
- 3. Click \lceil Save \rfloor on the left panel.
- 4. Click $\lceil New \rfloor$ on the right panel.
- 5. Select station name to be patrolled.
- 6. Click Save to save the settings. If the patrol route has many patrol stations, please

repeat step 4-6 to add patrol stations.

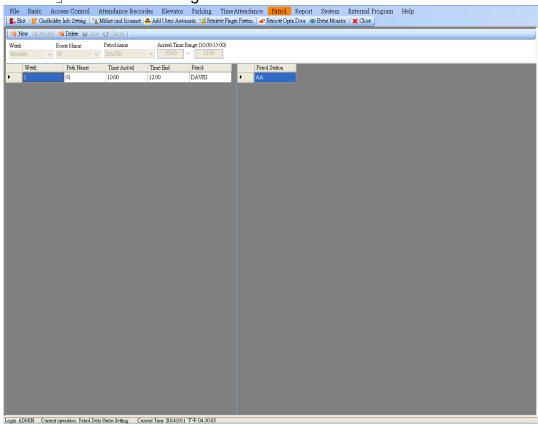


9-3 Patrol Duty Status Setting

It defines the patrol route every week.

Operation Steps :

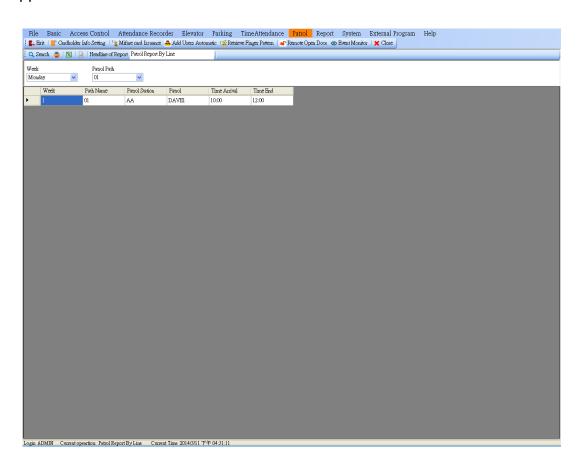
- 1. Click ^[]New ^[]
- 2. Select week and route name and input patrol name and arrival time range. When the specified patrol stations are not covered or the arrival time of the patrol guard is earlier than the set arrival time range, the system will activate the alarm to remind central station that not all patrol routes is covered or arrival time mismatch has occurred. (Alarm function is reserved)
- 3. Click \lceil Save $_{\perp}$ to save the settings.



9-4 Patrol Report By Line

Specify the range of patrol records according to week and patrol route.

Report provides print and preview function and can be converted to TXT or XLS format for other application.

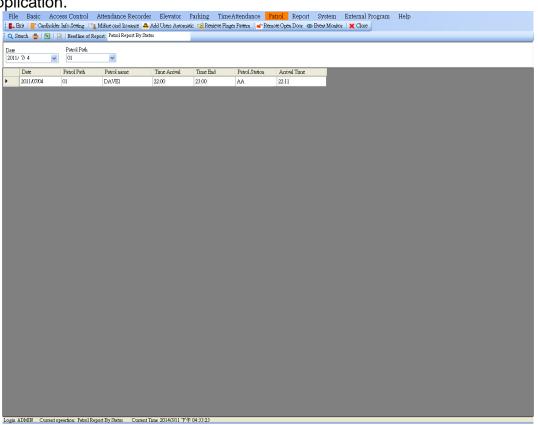


9-5 Patrol Report By Status

Specify the range of patrol records according to date and patrol route.

Report provides print and preview function and can be converted to TXT or XLS format for

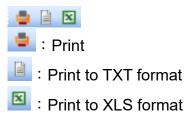
other application.



10. Report

Report provides print and can be converted to TXT or XLS format with user-defined report title for other application. The search key provides different criteria for every report in order to generate the user's desired report.

1. Report icons description :



Report column is remove able (Support First-Last Report, Unknown Report and First-Last Monthly Report only)

10-1 Cardholder Info. Report

Lists complete cardholder information. Specify the range of cardholder information according to cardholder name, Card No., department, Emp. No., Birthday, Phone, E-mail and Mailing Add.

							rt System External Program © Event Monitor 🔀 Close	ныр
lame	Card No.	_	Department		mp. No.			
Birthday	Phone	1	E-mail	Mailing Add		Q Search		
🚔 🗎 🗵	Headline of Report	ardholder Info Report						
Name	e Card No.	Department	Emp. No.	Birthday	Phone	E-mail	Mailing Add.	
• 1 DAVE	Bl 1	RD	1					
2 DAVE	32 2	RD	2					
3 DAVE	33	RD	3					
4 DAVE	34 4	RD	4					
5 DAVE	35 5	RD	5					
6 DAVE	36 6	RD	6					
7 DAVE	37 7	RD	7					
8 DAVE	38 8	RD	8					
9 DAVE	39 9	RD	9					
10 DAVE	E10 10	RD	10					
11 DAVE	311 11	RD	11					
12 DAVE	312 12	RD	12					
13 DAVE	E13 13	RD	13					
14 DAVE	E14 14	RD	14					
15 DAVE	315 15	RD	15					
16 AMYI	16 16	SALE	16					
17 AMY1	17 17	SALE	17					
18 AMY	18 18	SALE	18					
19 AMYI	19 19	SALE	19					
20 AMY2	20 20	SALE	20					
21 AMY2	21 21	SALE	21					
22 AMY:	22 22	SALE	22					
23 AMY2	23 23	SALE	23					
24 AMY2	24 24	SALE	24					
25 AMY2	25 25	SALE	25					
26 AMY:	26 26	SALE	26					
27 AMY:	27 27	SALE	27					
28 AMY2	28 28	SALE	28					
29 AMY2	29 29	PR	29					
30 JENN	Y30 30	PR	30					
31 JENN		PR	31					
32 JENN		PR	32					
33 JENN		PR	33					
34 JENN		PR	34					
or mann		DD.	26					

10-2 Department Info. Report

Lists complete department information. Specify the range of department information according to Department name, Department number, Supervisor Dep. No., Supervisor Dep. Name, Department Manager, Phone and Mailing Add.

	No.	Dep. Name		Supervisor Dep No		upervisor Dep Nam	e	
	Manager	Phone		failing Add.	Q Sear	ch		
•	🗎 🔀 🛛 Headlir	ne of Report Departme		L.				
	Dep. No.	Dep. Name	Supervisor Dep No	Supervisor Dep Name	Dep. Manager	Phone	Mailing Add.	
1	0000000001	ABC				12345678		
2	5_24	RD9	000000001	ABC				
3	5_23	RD8	000000001	ABC				
4	5_22	RD7	000000001	ABC				
5	5_21	RD6	000000001	ABC				
6	5_20	RD5	000000001	ABC				
7	5_19	RD4	0000000001	ABC				
8	5_18	RD3	0000000001	ABC				
9	5_17	RD24	0000000001	ABC				
10	5_16	RD23	000000001	ABC				
11	5_15	RD22	000000001	ABC				
12	5_14	RD21	000000001	ABC				
13	5_13	RD20	000000001	ABC				
14	5_12	RD2	0000000001	ABC				
	5_11	RD19	0000000001	ABC				
16	5_10	RD18	0000000001	ABC				
17	5_09	RD17	0000000001	ABC				
	5_08	RD16	0000000001	ABC				
19	5 07	RD15	0000000001	ABC				
20	5_06	RD14	0000000001	ABC				
	5_05	RD13	0000000001	ABC				
	5_04	RD12	0000000001	ABC				
23	5_03	RD11	0000000001	ABC				
	5_02	RD10	0000000001	ABC				
25		RD1	0000000001	ABC				
26	4	PM	0000000001	ABC				
27	3	PR	0000000001	ABC				
28	2	SALE	0000000001	ABC				
	1	RD	0000000001	ABC				

10-3 Hardware Event Report

Lists complete hardware event. Specify the range of hardware event according to Device

Name, Door, Event Explanation, Date, Cardholder name, Card number and Emp. No..

anation
Upon Card Swipe

10-4 Swipe card report

Lists swiped card records. Specify the range of swipe card records according to Cardholder name, Card number, Department, Date, Device Name, Door and Door Group.

	e	Department		 Card No. 	Emp N	ю	🔍 Search 📑	New 📫 Modify			
Date	2009/09/17 00:00	.00 🔽 - 2009/	09/17 23:59:59	👻 Device Name		• Door:	•				
	📄 🗵 Headline	e of Report: Swipe Ca	rd Report								
	Device Name	Door	Department	Name	Emp No	Card No	Date	Time Swiped	Event Explanation	IN/OUT	Du
	940PE	940PE		alan		000000001	2009/09/17	11:57:26	Access Granted		
	940PE	940PE		alan		000000001	2009/09/17	11:57:33	Access Granted		

Operator may add or modify swipe card records. (HTA-860PxF/HTA-870PxF only) Operation Steps:

- 1. Please click [Search] to get current swipe card records.
- 2. Click [New] and system will pop up a new window.
- 3. Click [Save] to save the adding in the database.
- 4. The new data will display "Adding manually" message in the Event Explanation.

dd/Modify Swipe Card Record		
Emp No Department Name	Original working time	
Equipment 860[1]	Name Date Shift No [000000001] Alan 1 2014/03/04 11:40:23 1 0000000001 1 1	
	Save	

-):00 🔽 - 20	014/03/12 23:59:59	V Device Name	Emp	• Door:		🖣 New 🦊 Modify			
-	🗎 🔣 Headlin	e of Report Swip	e Card Report								
	Device Name	Door	Department	Name	Emp No	Card No	Date	Time Swiped	Event Explanation	IN/OUT	D
1	860[1]	860[1]		Alan 1	5	000000005	2014/03/12	07:58:26	Adding manually	IN	
2	860[1]	860[1]	ABC	Alan 2	2	000000002	2014/03/12	08:03:07	Adding manually	IN	
3	860[1]	860[1]	ABC	Alan 1	1	0000000001	2014/03/12	09.09:20	Adding manually	IN	
4	960	960	ABC	1	11	1	2014/03/12	10.46:29	Finger Matching	IN	9
5	960	960	ABC	1	11	1	2014/03/12	10:46:31	Finger Matching	IN	99
6	960	960	ABC	01	20	01	2014/03/12	11:45:45	Finger Matching	IN	0
7	960	960	ABC	01	20	01	2014/03/12	11:45:51	Finger Matching	IN	01
8	960	960	ABC	01	20	01	2014/03/12	11:45:54	Finger Matching	IN	0
9	960	960	ABC	01	20	01	2014/03/12	11:45:57	Finger Matching	IN	0
10	960	960	ABC	01	20	01	2014/03/12	11:46:00	Finger Matching	IN	04
11	960	960	ABC	01	20	01	2014/03/12	11:46:03	Finger Matching	IN	0
12	830	830	ABC	0001535800	30	0001535800	2014/03/12	11:50:12	Finger Matching		A
13	830	830	ABC	0001535800	30	0001535800	2014/03/12	11:50:15	Finger Matching		В
14	830	830	ABC	0001535800	30	0001535800	2014/03/12	11:50:18	Finger Matching		C
15	830	830	ABC	0001535800	30	0001535800	2014/03/12	11:50:21	Finger Matching		D
16	860[1]	860[1]	ABC	Alan 2	2	000000002	2014/03/12	11:57:28	Finger Matching	IN	
17	960	960	ABC	3	13	3	2014/03/12	13:32:34	Finger Matching	IN	99
18	960	960	ABC	1	11	1	2014/03/12	13:32:42	Finger Matching	IN	95
19	960	960	ABC	1	11	1	2014/03/12	13:32:44	Finger Matching	IN	9
20	960	960	ABC	1	11	1	2014/03/12	13:32:46	Finger Matching	IN	95
21	960	960	ABC	1	11	1	2014/03/12	13:59:48	Finger Matching	IN	9
22	960	960	ABC	1	11	1	2014/03/12	13:59:50	Finger Matching	IN	9
23	960	960	ABC	1	11	1	2014/03/12	13:59:52	Finger Matching	IN	9
24	860[1]	860[1]	ABC	Alan 2	2	000000002	2014/03/12	14:05:41	Adding manually	IN	
	960	960	ABC	2	12	2	2014/03/12	14:08:21	Finger Matching	IN	9
	960	960	ABC	3	13	3	2014/03/12	14.08.23	Finger Matching	IN	9
	960	960	ABC	3	13	3	2014/03/12	14:08:26	Finger Matching	IN	9
	860(1)	860[1]	ABC	Alan 1	1	0000000001	2014/03/12	175150	Adding manually	IN	-
	860[1]	860[1]	ABC	Alan 2	2	000000002	2014/03/12	17:54:53	Adding manually	IN	

- 5. Or after get current swipe card records, you can select a user which you want to modify.
- 6. Click [New] and system will pop up a new window.
- 7. Click [Save] to save the modification in the database.
- 8. The original swipe card event may record in next column.

🔡 Add	Modify Swipe Car	d Record							
	Emp No Department Name	11 ABC DAVE11			Original working time				
	Equipment RAC-852PMFV	~	Name [11]DAVE11 11	~	Date 2014/03/12 10:46:29	~	Shift No 99]	
			Save		Close				

lame	Department		 Card No. 		np No	🔍 Search 📑 New 🦈 Modify			
Date 2014/03/12 0		014/03/12 23:59:59	V Device Nam	ae	- Door:	•			
	dline of Report Swip								
epartment	Name	Emp No	Card No	Date	Time Swiped	Event Explanation	INOUT	Duty Shift	Original working time
1	Alan 1	2	00000002	2014/03/12	08.03.07	Adding manually	IN		
2 BC	Alan 2	5	000000005	2014/03/12	08:58:26	Adding manually	IN		
3 BC	Alan 1	1	0000000001	2014/03/12	09.09.20	Adding manually	IN		
4 BC	1	20	01	2014/03/12	09:45:45	Finger Matching	IN	00	2014/03/12 11:45:45
5 BC	1	11	1	2014/03/12	10:46:29	Finger Matching	IN	99	2014/03/12 10:46:29
6 BC	01	11	1	2014/03/12	10:46:31	Finger Matching	IN	99	
7 BC	01	20	01	2014/03/12	11:45:51	Finger Matching	IN	01	
8 BC	01	20	01	2014/03/12	11:45:54	Finger Matching	IN	02	
9 BC	01	20	01	2014/03/12	11:45:57	Finger Matching	IN	03	
10 BC	01	20	01	2014/03/12	11:46:00	Finger Matching	IN	04	
11 BC	01	20	01	2014/03/12	11:46:03	Finger Matching	IN	05	
12 BC	0001535800	30	0001535800	2014/03/12	11:50:12	Finger Matching		A	
13 BC	0001535800	30	0001535800	2014/03/12	11:50:15	Finger Matching		В	
14 BC	0001535800	30	0001535800	2014/03/12	11:50:18	Finger Matching		C	
15 BC	0001535800	30	0001535800	2014/03/12	11:50:21	Finger Matching		D	
16 BC	Alan 2	2	000000002	2014/03/12	11:57:28	Finger Matching	IN		
17 BC	3	13	3	2014/03/12	13:32:34	Finger Matching	IN	99	
18 BC	1	11	1	2014/03/12	13:32:42	Finger Matching	IN	99	
19 BC	1	11	1	2014/03/12	13:32:44	Finger Matching	IN	99	
20 BC	1	11	1	2014/03/12	13:32:46	Finger Matching	IN	99	
21 BC	1	11	1	2014/03/12	13:59:48	Finger Matching	IN	99	
22 BC	1	11	1	2014/03/12	13:59:50	Finger Matching	IN	99	
23 BC	1	11	1	2014/03/12	13:59:52	Finger Matching	IN	99	
24 BC	Alan 2	2	000000002	2014/03/12	14:05:41	Adding manually	IN		
25 BC	2	12	2	2014/03/12	14:08:21	Finger Matching	IN	99	
26 BC	3	13	3	2014/03/12	14:08:23	Finger Matching	IN	99	
27 BC	3	13	3	2014/03/12	14:08:26	Finger Matching	IN	99	
28 BC	Alan 1	1	0000000001	2014/03/12	17:51:50	Adding manually	IN		
29 BC	Alan 2	2	000000002	2014/03/12	17:54:53	Adding manually	IN		

Login ADMIN Current opeartion: Swipe Card Report Current Time 2014/3/12 下午 03:05:36

10-5 Alarm Report

Lists alarm records. Specify the range of alarm records according to Device Name, Door,

Event code, Event Name and Date.

Image: Second and the second and t	Door Ev 940PE 031 940PE 012	Event Code Event Name 1311 Forced Door 1122 Deactivate Alarm with Disarm Cod	Date 2009/09/1711:57:41 ie 2009/09/1711:57:51	Event Explanation	
940PE 940PE 940PE 940PE	940PE 031 940PE 011	0311 Fonced Door D122 Deactivate Alarm with Disarm Cod	2009/09/17 11:57:41	Event Explanation	
940PE 940PE	940PE 012	Di 22 Deactivate Alarm with Disarm Cod			
			2000/001211-52-51		
MORE MORE	940PE 010	Distant Code	5 200000111.J1.J1		
		Distilli Code	2009/09/17 11:57:51		

10-6 Temporary Card Report

Lists temporary card swiped records. Specify the range of swiped card records according to Cardholder Name, Temporary card number, Date, Emp. No. and Department.

						System External Program	Help	
				atic 🤹 Retrieve Finger Pattern				
lame	Temporary Can		Date	Emp No	Department	 Search 		
🔒 📄 📉 Headlin	e of Report Tempora	y Card Réport						
Name	Temporary Card No.	Date	Emp. No.	Department				
alan	00000003	2009091710.01:11	00001	ABC				
		Card Report Currer						

10-7 Guest Card Report

Lists guest card records. Specify the range of swiped card records according to Cardholder Name, guest card number and Date.

		Attendance Recorder			Patrol Report	System External Progr	am Help	
		Mifare card Issuance ♣ Ac						
Name	Guest Card	Date	Q	Search				
	adline of Report Guest C		1					
Name	Guest Card 0000000004	Date 2009091710:03:06						
A	uuuuus	2005091710:05:08						
osin ADMIN Cr	ment opeartion: Guest Ca	rd Report Current Time 20	14/3/12 下午 03:24:13					(結 🛛 🗶

10-8 Login Report

Lists login records. Specify the range of login records according to User account. If operator login using ADMIN account, it will be recorded.

er account	I.	Login Date	Q. Search	1		·	
	Headline of Report I	.ogin Report		1			
User a		Login Time					
1	2	2009091710:06:24					

10-9 History Report

List all history records by year. Specify the range of history records according name, department, card number, device name, date, time, Access point and event explanation.

_	Exit <mark>=</mark> " Cardhold 2014		Mitare card Issuanc	e 🤲 Add Users At	tomatic 😪 Retriev	e Pingër Pattërn 🛛 🕌	'Remote Open Door 💿 Event Mor	itor 🗶 Close	
Nam		 Q Search Department 		- Card No	Des	ice Name	-1		
	2014/03/12	- 2014/03/13	Door		Event Explanation		- Q. Search		
		of Report History F		1	svent Expension		- Scarca		
-	Device Name	Door	Department	Name	Emp No	Card No	Date	Event Explanation	
► 1	860[1]	860	ABC	Alan 2	0000000002	000000002	2014/03/12 08:03:07	Adding manually	
2	860[1]	860	ABC	Alan 2	000000005	000000005	2014/03/12 08:58:26	Adding manually	
3	860[1]	860	ABC	Alan 1	0000000001	0000000001	2014/03/12 09:09:20	Finger Matching	
4	960	960	ABC	01	000000020	01	2014/03/12 09:45:45	Finger Matching	
5	960	960	ABC	1	0000000011	1	2014/03/12 10:46:29	Finger Matching	
6	960	960	ABC	1	0000000011	1	2014/03/12 10:46:31	Adding manually	
7	940	940	ABC	· ·		· ·	2014/03/12 10:52:21	Adding manually	
8	960	960	ABC	01	000000020	01	2014/03/12 11:45:51	Finger Matching	
9	960	960	ABC	01	000000020	01	2014/03/12 11:45:54	Finger Matching	
	960	960	ABC	01	000000020	01	2014/03/12 11:45:57	Finger Matching	
11		960	ABC	01	000000020	01	2014/03/12 11:46:00	Finger Matching	
	960	960	ABC	01	000000020	01	2014/03/12 11:46:03	Finger Matching	
	830	830	ABC	0001535800	000000030	0001535800	2014/03/12 11:50:12	Finger Matching	
	830	830	ABC	0001535800	000000030	0001535800	2014/03/12 11:50:15	Finger Matching	
	830	830	ABC	0001535800	000000030	0001535800	2014/03/12 11:50:18	Finger Matching	
	830	830	ABC	0001535800	000000030	0001535800	2014/03/12 11:50:21	Finger Matching	
	860[1]	860	ABC	Alan 2	000000002	000000002	2014/03/12 11:57:28	Finger Matching	
18		960	ABC			1894253946	2014/03/12 13:26:13	Finger Matching	
	960	960	ABC			1893744730	2014/03/12 13:26:16	Finger Matching	
20		960	ABC			1893744730	2014/03/12 13:26:17	Finger Matching	
21	960	960	ABC			1894253946	2014/03/12 13:26:19	Finger Matching	
22	960	960	ABC	3	0000000013	3	2014/03/12 13:32:34	Finger Matching	
23	960	960	ABC	1	0000000011	1	2014/03/12 13:32:42	Finger Matching	
24	960	960	ABC	1	0000000011	1	2014/03/12 13:32:44	Finger Matching	
25		960	ABC	1	0000000011	1	2014/03/12 13:32:46	Finger Matching	
	960	960	ABC	1	0000000011	1	2014/03/12 13:59:48	Finger Matching	
	960	960	ABC	1	0000000011	1	2014/03/12 13:59:50	Finger Matching	
	960	960	ABC	1	0000000011	1	2014/03/12 13:59:52	Adding manually	
	860[1]	860	ABC	- Alan 2	000000002	00000002	2014/03/12 14:05:41	Finger Matching	
	960	960	ABC	2	000000012	2	2014/03/12 14:08:21	Finger Matching	
31		960	ABC	3	0000000013	3	2014/03/12 14:08:23	Finger Matching	
32	960	960	ABC	3	000000013	3	2014/03/12 14:08:26	Adding manually	
	860[1]	860	ABC	Alan 2	0000000001	0000000001	2014/03/12 17:51:50	Adding manually	
34		860	ABC	Alan 1	000000002	000000002	2014/03/12 17:54:53	Adding manually	

10-10 First-Last Report

Lists first and last access record. Specify the range of first-last information according to Cardholder Name, Department, Emp. No., Date and Un-swipe Users selection.

Click [First-Last records in same row], system will display first in and last out records in the same row. Otherwise, the records will display in a same space and two lines. [Include un-swipe users]: when tick the check box, this report may list all users, event the users do not swipe card.

File	Basic Ac	cess Control	Attendance Re	order Elevator	Parking Time	eAttendance Patrol Report System External Program Help	
: 📭 E	🕵 Exit 🧧 Cardholder Info Setting 🍡 Mifaer card Issuance 🜲 Add Users Automatic 😪 Retrieve Finger Pattern 🖝 Remote Open Door 👁 Event Monitor 🗶 Coce						
e Pi	🚔 Print Table FurstLastReport						
Cond	ition Name	Dente			Export		
	Ivanie	Departm		rch	🗹 Text	Encel	
	Emp No		26	rch	Save Path		
	Emp No				autemone	LTXT Export	
	Date		First	t-Last records in same	row		
		. 2014/03/12	~				
	Duration						
		23:59:59	\$				
		•	¥				
	Department	Emp No	Name	Date	Time		
	RD	1	DAVEI	2014/03/12	09:09:20		
	RD	1	DAVEI	2014/03/12	1751:50		
	RD	2	DAVE2	2014/03/12	08:03:07		
	RD RD	2 5	DAVE2 DAVE5	2014/03/12 2014/03/12	17:54:53 08:58:26		
	RD	11	DAVEJ DAVEI1	2014/03/12	10.46:29		
	RD	11	DAVE11	2014/03/12	13:59:52		
	RD	12	DAVE12	2014/03/12	14:08:21		
	RD	13	DAVE13	2014/03/12	13:32:34		
	RD	13	DAVE13	2014/03/12	14:08:26		
11	SALE	20	AMY20	2014/03/12	09:45:45		
	SALE	20	AMY20	2014/03/12	11:46:03		
	PR	30	JENNY30	2014/03/12	11:50:12		
14	PR	30	JENNY30	2014/03/12	11:50:21		
Login 1	ADMIN Current of	opeartion: First-Last l	Report Current	Time 2014/3/12 下午 (3:34:12		

						Patrol Report Sys Remote Open Door @ Event I		
Print Title First	t-Last Report							
londition				Expc	rt			
Name	Departm			🗹 I	ieaat 📃 E	ncel		
		Se	such	G	D -4			
Emp No				Save	rath XPORT.TXT		Export	
		🗹 Fi	rst-Last records in sam	ie row	ALOKI.IAI		Export	
Date	✓ . 2014/03/12	In	clude un-Swipe Users	F				
		~						
Duration								
00:00.00	23:59:59	\$						
Department	Emp No	Name	Date	First	Last			
1 RD	1	DAVE1	2014/03/12	09:09:20	17:51:50			
2 RD	2	DAVE2	2014/03/12	08:03:07	17:54:53			
3 RD	3	DAVE3	2014/03/12					
4 RD	4	DAVE4	2014/03/12					
5 RD	5	DAVE5	2014/03/12	08:58:26				
6 RD	6	DAVE6	2014/03/12					
7 RD	7	DAVE7	2014/03/12					
8 RD	8	DAVE8	2014/03/12					
9 RD	9	DAVE9	2014/03/12					
10 RD	10	DAVE10	2014/03/12					
11 RD	11	DAVE11	2014/03/12	10:46:29	13:59:52			
12 RD	12	DAVE12	2014/03/12	14:08:21	14.00.00			
13 RD 14 RD	13	DAVE13 DAVE14	2014/03/12 2014/03/12	13:32:34	14:08:26			
14 RD 15 RD	14	DAVE14 DAVE15	2014/03/12					
16 SALE	15	AMY16	2014/03/12					
17 SALE	17	AMY17	2014/03/12					
18 SALE	18	AMY18	2014/03/12			-		
19 SALE	19	AMY19	2014/03/12					
20 SALE	20	AMY20	2014/03/12	09:45:45	11:46:03			
21 SALE	21	AMY21	2014/03/12					
22 SALE	22	AMY22	2014/03/12					
23 SALE	23	AMY23	2014/03/12					
24 SALE	24	AMY24	2014/03/12					
25 SALE	25	AMY25	2014/03/12					
26 SALE	26	AMY26	2014/03/12					
27 SALE	27	AMY27	2014/03/12					
28 SALE	28	AMY28	2014/03/12	_				
29 PR	29	AMY29	2014/03/12					
30 PR	30	JENNY30	2014/03/12	11:50:12	11:50:21			
31 PR	31	JENNY31	2014/03/12					
32 PR	32	JENNY32	2014/03/12					
	33	JENNY33	2014/03/12					

10-11 Unknown Report

If retrieve records before adding cardholders' information, the records will be in unknown report. Once add cardholders information completed, please click [Renewal], system may compare current card numbers and unknown records. Once has match information, the records will not display in unknown report.

Specify the range of unknown records according to date.

File Basic A	cess Control	Attendance Reco	der Flevator	Parking TimeAttendance Patrol Report System External Program Help
				natic 😪 Retrieve Finger Pattern 🖌 🔐 Remote Open Door 💿 Event Monitor 🗙 Close
🚦 📑 Print Title Unkn	wn Report		🕐 Renewal 🔛 S	Jave
- Condition				Export
Date 2014/03/12	- 2014/03	V12 🗸	Search	Text Excel
2014/05/12	- 2014/03	MZ 🚩		Save Path
				CVEXPORT.TXT Export
Date 1 2014/03/12	Time 13:26:13	Card No 1894253946	Name	Department
2 2014/03/12	13:26:15	1893744730		
3 2014/03/12	13:26:17	1893744730		
4 2014/03/12	13:26:19	1894253946		
Login ADMIN Current	opeartion: Unknown	Report Current To	pe 2014/3/12 下午 0	33504

10-12 First-Last Monthly Report

List first in and last out record by month. Specify the range of name, Department, Emp. no, year, and month.

File Basic Ac				Parking Tin					Help			
Print Title First-La		Millare cara issuance	🚗 Add Osers Atte	omatic 😪 Retrieve Fi	nger Pamenn 🛛 📥 P	emote Open Door	C Event Monitor	Ciose				
Condition				Stport								
Name	Departo	nent Searc			Encel							
Emp No			5	Save Path CNEXPORT.TXT			E	port				
Select year and			E	0.424 0.00.000				port				
2014/03	*											
Emp No	Name	Department	01	02	03	04	05	06	07	08	09	10
▶ 1 54	JENNY54	PM				07:58 17:57		;				
<												>
登入: ADMIN 目前作業	* 首尾第日報表	祖太神郎 2014	/3/4 下午 03:01:38									/

11. System

11-1 Database Operation

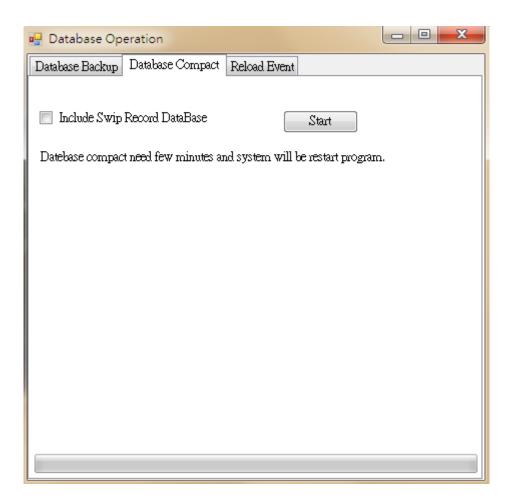
Database backup : Select backup path and click 「Backup」 to start the backup.

🖳 Database Op	eration			×
Database Backup	Database Compact	Reload Event		
Backup Path				
Backup				

OS (C:) > TEMP

HAMS.mdb	2018/1/15
HAMSmdb	2015/3/17
HAMS_2017.mdb	2017/9/13
HAMS_AttendReportInOut.MDB	2017/9/7 🛓
HAMS_EXPORT.mdb	2016/3/24
HAMS_RptFirstLast.MDB	2017/11/2

Database compact: Please backup database before compressing. Click [Start] to start the database compression. Database compression improves database efficiency. The system will restart after completion and user needs to login to the system again.



Reload Event: Re-loading swipe card records which has been retrieved into database. In case that swipe card records are not stored in the database when retrieving records, you can try this function to re loading records into database again.

🖳 Database Operation	
Database Backup Database Compact Reload Event	
2023/06/20	Reload
Once you read swipe card records in the eventmonitor, but cannot read t please try to reload events or please contact with our agent whom you bo	hem in the report, Jught from.
	*
	~
•	Þ

11-2 Schedule Setup

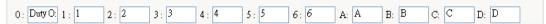
11-2-1 Export Setup

The system supports schedule setup for users to calibrate export, Sync, Backup, First-Last record , Polling export for auto-operation.

Before set schedule, follow parameters must be set first:

1. Select TXT or XLS format. (Select one format only)

- 2. Click ... and select saving path or input the path directly. (When select XLS format, system can only use a fixed file name)
 - Saving Path: Where operator wants to save the file. (system will transfer a file automatically base on the setting, file name will be YYYYMMDD.txt)
 - Date Format : User define date format. Ex: MMDDYYYY or MMDDYY
 - Define Extension : For TXT format.
 - File Name: User-define file name. System will use same name every time. When next transaction, the new file will cover old file.
- 3. Include unknown card: When tick the check box, system will transfer unknown card records at the same time.
- 4. First-Last Report by Card No: Default export first-last report is base on employee number. When tick the check box, system may export first-last report by card number.
- 5. Valid Card Only: Only export valid card events.
- 6. User-defined: Yellow block is provided for special request; please do not modify it without indication.
- 7. User defined duty code: It is mainly to set duty name which display on the report. This function is suit for all recorders. Example: duty shift code 0 is modified to Duty On and report may display Duty on in shift number column of report.



Schedule Setup					
Exit					
Schedule Export Setup Backup	Time Sync. Inquire				
Export	_ Saving Path				
 TXT Format 					
🔘 Excel Format					
🔲 Include unknown card	Date Format yyyyMMdd Date Format :20141225				
First-Last Report by Card No	Define Extension .TXT 🗸 A file Per Day				
Valid card only	File Name:				
User-defined	C'EXPORT.TXT				
P2K					
- User defined					
0:01:12:2	2 3: 3 4: 4 5: 5 6: 6 A: A B: B C: C D: D				
Export Fields Export Controllers	Export Swiped Card Records Export Swiped Card Records (First-Last)				
User-Defined	Export Swiped Caro Records Export Swiped Caro Records (First-Last)				
Retrieve Valid Code					
Index 0 🗘 Length	Left to fill 🔿 Right to fill				
Column Name Valu	we				
User-Defined "					
Swiped Date YYY	YYMM/DD				
User-Defined ,					
Swiped Time HH:	MM.SS				
User-Defined ,					
Card No					
User-Defined ,					
Device No	×				
<					

8. P2K Format: System will transfer to P2K format for special request; please do not modify it without indication. (When select P2K format, please tick check box of User-defined)

Schedule Setup							
🛛 🔂 🗠 Exit							
Schedule Export Setup Backup	Schedule Export Setup Backup Time Sync. Inquire						
CExport	Export Saving Path						
 TXT Format 	Saving I au						
🔘 Excel Format							
📃 Include unknown card	Date Format yyyyMMdd		Date Forma	at :20141225			
First-Last Report by Card No	Define Extension .TXT		🔽 A file	Per Day			
Valid card only							
User-defined	File Name: C/EXPORT.TXT						
P2K							
-User defined							
0: 0 1: 1 2: 2	3:34:45	5 : 5	6:6 A:	A B: B	C: C D: D		
Export Fields Export Controlles	Export Swiped Card Records Ex	a d Carri a	10-10 h/Fi	at Least)			
	Export 2 wiped Card Records Ex-		idd 📑 Delete 🛛				
User-Defined		-	iaa 🛶 Delete 📊	Save			
Index 🔍 🗘 Length	C Left to fill	⊖ Right	to fill				
Caluma				Column	~		
Name Valu	ue	C	Column	Name			
User-Defined		► (JserDefine	User-Defined			
Swiped Date YY	YYMMDD	e	ventType	Event Category			
User-Defined ,		e	rventDate	Swiped Date			
Swiped Time HH:	MM:SS	TOH HT	mentTime	Curined Time	× →		
User-Defined ,		(eventdate	(4) $(1000 mid) + mid(6)$	eventdate, 6, 2)+mid(ev	_no + "," +cstr(Cht(Left ventdate,9,2) + "'," + mid eft(eventshift,2)=01','A',IIf(Left F'))) + "' AS P2K FROM		
Card No		(eventtim	(e,1,2) + mid(e)enter $(e,1,2)=02', D', iif(left)$	(eventshift,2)=03',E',	F))) + "'' AS P2K FROM		
User-Defined , Publicent INNER JOIN Emp ON Publicent personID = Emp.Emp_Id where len (eventcard) > 0 and len(personid) > 0							
Device No							
<	>						
L]		

9. Export Fields: Select report contents which want to export. (Able select fields which system is provided)

Example: Request export report contents include Swiped Date, Swiped Time, Card Number, Device ID, Shift Number, setting as below:

- 1. Select User-Defined and input ["], then click [NEW].
- 2. Select Swiped Date, and then click [NEW].
- 3. Select User-Defined and input [,], then click [NEW].
- 4. Select Swiped Time, and then click [NEW].
- 5. Select User-Defined and input [,], then click [NEW].
- 6. Select Card No., and then click [NEW].
- 7. Select User-Defined and input [,], then click [NEW].
- 8. Select Device ID, and then click [NEW].
- 9. Select User-Defined and input [,], then click [NEW].
- 10. Select Shift No., and then click [NEW].
- 11. Select User-Defined and input ["], then click [NEW]. The export report format as below :

"2009/09/09,13:55:26,0001535800,000000002,00"

Schedule Setup							
🖙 Exit							
Schedule Export Setup Backu	up Time Sync. Inquire						
Export-	Saving Path						
 TXT Format 							
🔘 Excel Format	Date Format yyyyMMdd Date Format :20141225						
Include unknown card							
First-Last Report by Card I	No Define Extension .TXT 🗹 A file Per Day						
Valid card only	File Name:						
User-defined	CNEXPORT.TXT						
P2K							
- User defined							
	: 2 3: 3 4: 4 5: 5 6: 6 A: A B: B C: C D: D						
Export Fields Export Controll	les: Export Suriped Card Records: Export Suriped Card Records (Eyst-Last)						
User-Defined	✓ III Add. III Delete						
Index Code	ngth 0 🗘 Left to fill 🕜 Right to fill						
Column V Nare	Value						
User-Defined							
Swiped Date Y	YYYYMM/DD						
User-Defined ,							
Swiped Time H	H-MM.SS						
User-Defined ,							
Card No							
User-Defined ,							
Device No	Device No						
User-Defined ,	User-Defined ,						
Shift No							
User-Defined "							

10. Export Controllers: Select the controller which wants to export records. And then click [Add].

Schedule Setup	
🕞 Exit	
	Time Sync. Inquire
-Export	-Saving Path
 TXT Format 	
 Excel Format 	Date Format yyyyMMdd Date Format :20141225
Include unknown card	
First-Last Report by Card No	Define Extension .TXT 🗹 A file Per Day
Valid card only	File Name:
User-defined	CVEXPORT.TXT
P2K	
User defined	
0:01:12:2	3: 3 4: 4 5: 5 6: 6 A: A B: B C: C D: D
	Export Swiped Card Records Export Swiped Card Records (First-Last)
📜 🧹 Select All 🗶 Select None	
Contro Name	oller e
PXR8.	32MSK[1]
920PM	M
□ 820PM	M
🗌 🧾 930Ph	M
960PM	M
960P1v	MF
940Ph	M
2000P.	2SN-2000P
2000P.	2SN-2000P
■ 860PM	MF[1]
860PI	MF(2)

11. Export Swiped Card Records: Base on "Export Fields" and "Export Controllers" settings, export file by manual. Users may define start and end date.

Schedule Setup	
Exit	
Schedule Export Setup Backup Time Sync. Inquire	
Export Saving Path Saving Path DEccel Format Include unknown card First Last Report by Card No Valid card only User-defined Define Extension .TX P2K	/MMdd Date Format 20141226 T ☑ A file Per Day
User defined 0: 0 1: 1 2: 2 3: 3 4: 4 Export Fields Export Controllers Export Swiped Card Record 1 <	5 : 5 6 : 6 A: A B: B C: C D: D
2014/12/26 🗸 - 2014/12/26	V 🎦 Export

12. [Export Swiped Card Records (First-Last)] : Base on export column, controller, and time range, system will export first and last swipe card record.

Schedule Setup
🕞 Exit
Schedule Erport Setup Backup Time Sync. Inquire
Saving Path TXT Format Excel Format Include unknown card First Last Report by Card No Valid card only File Name: CVEXPORT.TXT User defined V2K
0:0 1:1 2:2 3:3 4:4 5:5 6:6 A: A B: B C: C D: D Export Fields Export Controllers Export Swiped Card Records Export Swiped Card Records Export Swiped Card Records
2014/12/25

11-2-2 Backup

Click and select saving path or input the path directly.

CA
Backup Path.
Backup Path: C\
Backup Path:

11-2-3 Time Sync

Operation Steps:

- 1. Select the controller which wants to correct the time.
- 2. If the time difference (time zone) exists, the field "Time Zone" can be entered how many hours that need to be added or subtracted
- 3. The time difference will be added or subtracted individually while conducting the time

synchronization.

Schedul	le Setup			
😚 Exi	it			
Schedul	le Export Setup E	ackup Time Sync. Inquire		
Sele	ct All Select None	Select Reverse		
		Controller Name	Time Zone	
Þ		960PM-Test area		
		960PMF-Test area	3	
		920PM-Test area	0	
		940PM-Test area	-1	
		852PMFV-Test area	0	
	\checkmark	860PM-Test area	0	
	V	860PMF-Test area	0	
		850PM-Test area	0	
	V	852PMF-Test area	0	
	V	830PM-Test area	0	
		820PM-Test area	0	

11-2-4 Inquire

Inquire previous schedule status.

Operation Steps:

- 1. Specify the range of date.
- 2. Click [Search].
- 3. Report can be converted to TXT or XLS format.

Sche	Schedule Setup								
: G+1	G• Exit								
Sche	Schedule Export Setup Backup Time Sync. Inquire								
	Date Range 2009/ 9/20 💉 ~ 2009/ 9/20 💌								
i q	Search 🛛 🔀 📄								
	Date	Time	Action	Description					
•	2009/09/20	10:00:05	Export	10:00>TextC:\1.txt					
	2009/09/20	12:00:00	Backup	12:00>C\HAMS_200909201200.MDB Backup Complete!					
	2009/09/20	13:00:02	First-Last Record	13:00>Text(First-Last)C:\1.txt					

11-2-5 Schedule

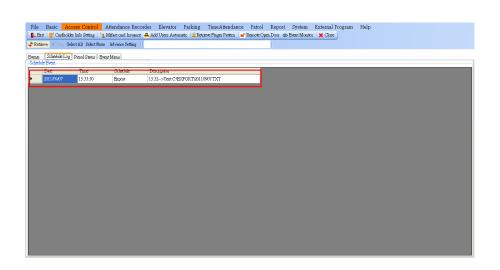
It is mainly to set polling, transfer records, synchronization and backup database in schedule.

Operation Steps:

- 1. Input schedule time.
- 2. The system provides 5 operation modes: Export, Sync, Backup, First-Last Records and Polling.
- 3. The schedule time is set according Monday to Sunday.
- 4. Click [NEW].

Schedule Setup										
G- Exit										
Schedule Export Setup Backup Time Sync. Inquire										
📫 New 📫 Delete 🛛 🕐 Reset All 🖉 Windows Schedule Tasks										
Schedule Time(HH:MM)		Schedule Time	Operation Mode	Mon	Tues	Wed	Thu	Fri	Sat	Sun
00.00	•	00.00	Export	1	1					
Operation Mode		00:00	Polling	1	1	1	1	1	1	1
Export 🗸										
Mon										
Tues										
Wed										
🔲 Thu										
🗖 Fri										
🔲 Sat										
🔲 Sun										
	<				1111					>

- 5. Please do not close event monitor when schedule setup runs.
- 6. Click [Reset All], schedule settings will be restored into non-running status. User need open event monitor again to take effect.



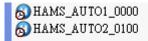
7. To adding schedule into Windows schedule task, please click [Windows Schedule

Tasks]. It can't add all schedules at a time. Please add it one by one.

Login ADMIN Current opeartion: Event Monitor Current Time 2014/3/11 下午 05:02:56

Schedule Setup										
🕒 Exit										
Schedule Export Setup Backup	Time Sy	nc. Inquire								
📫 New 👒 Delete 🕐 Reset All 👰 Windows Schedule Tasks										
Schedule Time(HH:MM)		Schedule Time	Operation Mode	Mon	Tues	Wed	Thu	Fri	Sat	Sun
00:00		00:00	Export	1	1					
Operation Mode	۶.	00:00	Polling							1
Polling 🗸										
🗹 Mon										
🔽 Tues										
✓ Wed										
💌 Thu										
🗹 Fri										
🗹 Sat			_	_						
💌 Sun										
			Add new schedul	e success.						
			OK							
				لاست						
	<									>

8. You can check window schedule tasks in Start→ Control panel→ System and Security→Administrative Tools→ Schedule tasks (Base on Windows 7 application)



ç	Schedule Classify						
	Classify NO.	Classify Name					
	AUTO1	Export					
	AUTO2	Sync					
	AUTO3	Backup					
	AUTO4	First-Last Record					
	AUTO5	Polling					

9. Please remember to close HAMS and Windows schedule tasks will be activated as your settings.

11-3 Manual Export

Operation steps are same with Chapter 11-2 Schedule. Operator may select to export records automatic or manual.

Manual Export
i 🕒 Exit
Export Setup
Saving Path
TXT Format
Include unknown card Date Format yyyyMMdd Date Format :20141225
□ First-Last Report by Card No Define Extension .TXT ✓ A file Per Day
Valid card only File Name:
User-defined CXEXPORT.TXT
P2K
User defined
0: 0 1: 1 2: 2 3: 3 4: 4 5: 5 6: 6 A: A B: B C: C D: D
Export Fields Export Controllers Export Swiped Card Records Export Swiped Card Records (First-Last)
User-Defined 🔹 📫 Value 🔤
Coluran Name
User-Defined "
Swiped Date YYYYMM/DD
User-Defined ,
Swiped Time HH:MM:SS
User-Defined ,
Card No
User-Defined ,
Device No

12. External Program

Dump Tool provides three types of dump data, three types as None/HAMS/eNtior3. Once Dump Tool connects with database, it will list all current devices and you may start to dump data from devices. Follows for more operate information.

🔀 Dun	upTool(¥2.0.5)									
None	HAMS eNitor3									
	HAMS Database Path(MDB) 📃 Merge to MDB									
	C/Program Files/HAMS.19/HAMS.mdb									
	Device Name	Device Type	Device No	IP/Com	Port	BaudRate				
•	940PM	RAC-940PM	2	172.16.35.43	4660					
	960PM	RAC-960PM	1	172.16.35.95	4660					
	960PMF	RAC-960PMF	1	172.16.35.96	4660					
	2000WS	RAC-2000WS	2	COM3		19200				
	O ComPort	✓ Baudrate		▼						
	● P 172.16.35.43	Port	4660	Node ID 2						
	Device Type RAC-940PM	~								
	•	ice Parameter Start Addr	ess(DEX.)	0 Length(1-8192)	1					
Savi	ing Path									
				Directory Dump	Exit					
-Sp	ecial Dump File									
	Bin File									
				File						
	Decode Bin DeployDeviceID C	000000003 🔲 Date			Card Len	10				
	Decode Bin DeployDeviceD		or Web File Format		Cald Len	10				
			or webrine roundat							

12-1 Dump Data -None

It is mainly to dump swipe card records from device directly.

Operator need input device information by manual.

Operation Steps:

- 1. Select communication information, like Com Port or IP and input compatible information.
- 2. Input Node ID and model name.
- 3. Tick check box of Swipe Card Record. Device Parameter is advanced function, kindly contact with engineers.
- 4. Click [Director] and select dump saving path.
- 5. Click [Dump] and starting to dump swipe card records.
- 6. Special Dump File: This function is reserved.

DumpTool(Y2.0.5)	
None HAMS eNitox3	
🔿 ComPort 🔽 Baudrate	
⊙ IP 172.16.35.43 Port 4660 Node ID 2	
Device Type RAC-940PM	
Swipe Card Record Device Parameter Start Address (DEX.) Length (1-8192)	
Saving Path Directory Durap Exit	
- Special Dump File	
Bin File	
File	
Decode Bin DeployDeviceID 0000000003 Date Card Len 10	
eNitor Web File Format	

12-2 Dump Data -HAMS

It is mainly to dump swipe card records from device directly. Due to HAMS database is existence, operator need assign the HAMS database path and all devices information will display as below.

Operation Steps:

- 1. Click and point HAMS's database path. After connect with HAMS database, Dump tool will read all device information.
- 2. Select which device do you want to dumped.
- 3. Tick check box of Swipe Card Record. Device Parameter is advanced function, kindly contact with engineers.
- 4. Click [Director] and select dump saving path.
- Click [Dump] and starting to dump swipe card records.
 More details and examples for each device are as below :
 - RAC-960/970 series card-swiping data :

example: 20150914,142500,0,0102967568,14,1,0,1

The fields of card-swiping data is going in sequence as : date, time, duty shift, card number, event, In / Out, 0 , Input (by swiping card or pressing keypad)

Date : Year-Month-Date (eg. 20150914)

Time : Hour-Minute-Second (eg. 142500)

Duty shift : Parameters setting of duty shift in device (eg. "0" means "BLANK")

0=BLANK	1=DUTY ON
2=DUTY_OFF	3=BREAK OUT
4=BREAK_IN	5=OT_START
6=OT_END	

Card number : (eg. 0102967568)

Event : Turns Hex. to decimal (eg. Converting the Hex. number "14" to be decimal number "20", it means "the card number is not found")

0 = Normally swiping card	21 = Incorrect time schedule for
1 = Master card	the card number
2 = Disarm code	30 = Unlock door by PIN
3 = Duress code	31 = Incorrect Operation
5 = Temporary card	61 = Card correct + PIN correct
6 = Blacklist	

8 = Fingerprint mismatch	62 = Card correct but PIN incor-
9 = Fingerprint matching	rect
successful	63 = While Card + PIN code, the
10 = Guest card	card number is pressed by key-
11 = Guest Card (Unlimited	pad
number of times)	67 = Anti Error
20 = Card number is not	75 = The setting of retrieved valid
found	length is wrong
	76 = Dual matching failed

In / Out : 0=Reader Inside , 1=Reader Outside (In the example above, it shows

"1",

meaning "Reader Outside)

0: Invariable number "0"

Input : 0=Pressing card number by keypad , 1=Swiping card(In the example

above,

it shows "1", meaning by swiping card)

• HTA-850/852 series card-swiping data :

example: 20150914,164647,3,1864935190,01,0,0,1

The fields of card-swiping record is going in sequence as : date, time, duty shift,

card number, event, In / Out, 0, Input (way / interface)

Date : Year-Month-Date (eg. 20150914)

Time : Hour-Minute-Second (eg. 164647)

Duty shift : Parameters setting of duty shift in device (eg. "3" means "BREAK_IN")

0=DUTY ON	1=DUTY_OFF
2=BREAK OUT	3=BREAK_IN
4= OT_START	5= OT_END
6~7=RESERVED	

Card number : (eg. 1864935190)

Event : Turns Hex. to decimal (eg. Converting the Hex. number "01" to be decimal number "1", it means the card number does not exist")

0=Normally swiping card	8=
1=Card number not exist	9=Fingerprint matching suc-
2=Card number length error	cessful
3=Card number checking er-	10=Master card
ror	11=Master card checking er-
4= Mifare card write error	ror

5=Fingerprint checking error	12= Add card by fingerprint
6=Blacklist	13=Delete card by fingerprint
7=Time schedule error	14=
	15=

In / Out : 0=Reader1(Reader Inside) , 1= Reader2(Reader Outside) $_{\circ}$ (In the ex-

ample

above, it shows "0", meaning "Reader Inside)

0: Invariable number "0"

Input (way / interface) : (eg. "1" means input by T2 reader)

0=Input by keypad	1=Input by T2 Reader
2= Input by Wiegand Reader	3=Input by Mifare Reader
4=Input by Fingerprint	5~7=Reserved

• HTA-860 / 870, HTA-856 series card-swiping data :

example : 20150908,115536,0,044859B2EF3980,01,0,0,1

The fields of card-swiping data is going in sequence as : date, time, duty shift, card number, event, In / Out, 0 , Input (way)

Date : Year-Month-Date (eg. 20150908)

Time : Hour-Minute-Second (eg. 115536)

Duty shift : Parameters setting of duty shift in device (eg. "0" means " DUTY ON)

0=DUTY ON	1=DUTY_OFF
2=BREAK OUT	3=BREAK_IN
4= OT_START	5= OT_END
6~7=RESERVED	

Card number : (eg. 044859B2EF3980)

Event : Turns Hex. to decimal (eg. Converting the Hex. number "01" to be decimal number "1", it means the card number does not exist)

0=Normally swiping card	8=
1=card number not exist	9=Fingerprint matching suc-
2=Card number length error	cessful
3=Card number checking er-	10=Mater Card
ror	11=
4=Mifare card write error	12=

5=Fingerprint checking error	13=
6=	14=
7=	15=

In / Out : 0 = Reader 1 (Reader Inside) , 1 = Reader 2 (Reader Outside) (eg. it

shows "0" in the example meaning Reader Inside)

0 : Invariable number "0"

Input(way / interface) : (eg. "1" means Input by Reader)

0=Input by Keypad	1=Input by T2 Reader
2~7=Reserved	

RAC-940 series card-swiping data :

example : 20150904,170545,0,0005494367,14,0,0,1

The fields of card-swiping data is going in sequence as : date, time, duty shift, card number, event, In / Out, 0 , Input (way)

Date : Year-Month-Date (eg. 20150904)

Time : Hour-Minute-Second (eg. 170545 °)

Duty shift : Parameters setting of duty shift in device (eg. "0" means "BLANK")

0=BLANK	1=DUTY ON
2=DUTY_OFF	3=BREAK OUT
4=BREAK_IN	5=OT_START
6=OT_END	

Card number : (eg. 0005494367)

Event : Turns Hex. to decimal (eg. Converting the Hex. number "14" to be decimal

number "20", it means the card number is not found")

0=Normally swiping card	30=Unlock door by PIN
1=Master card	31=Incorrect Operation
2=Disarm code	61=Card correct+PIN correct
3=Duress code	62=Card correct but PIN in-
6=Blacklist	correct
20=Card number is not found	63=While Card + PIN code,
21=Incorrect time schedule for	the card number is pressed
the card number	by keypad
	67= Anti Error
	75=The setting of retrieved

	valid length is wrong	
--	-----------------------	--

In/Out : 0=Reader 1 (Reader Inside), 1 = Reader2 (Reader Outside). (In the example above, it shows "0" meaning Reader Inside)

0: Invariable number "0"

Input : (eg."1" means Input card number by swiping card)

0=Input card number by press-	1=Swiping card
ing keypad)	

RAC-2000WS / WSN series card-swiping data
 Example : 20150918,145739,,1953987274,05,0,0,1

The fields of card-swiping data is going in sequence as : date, time, duty shift,

card number, event, In / Out, 0 , Input (way)

Date : Year-Month-Date (eg. 20150918)

Time : Hour-Minute-Second (eg. 145739)

Duty shift : Reserved (No number displays in the above example)

Card number : (eg. 1953987274)

Event : Hexadecimal (eg. Hex. number "05" means temporary card)

()	
00H = Normally swiping	14H = the card number is not found
card	15H = Incorrect time schedule for the
01H = Master Card	card number
02H = Disarm Code	16H = Fail to unlock door in two door
03H = Duress Card	interlocking
04H = Duress Code	3DH = Card correct + PIN correct
05H = temporary card	3EH = Card correct but PIN incorrect
06H = Blacklist	3FH = While Card + PIN code, the
0AH = Guest card	card number is pressed by keypad
0BH = Guest Card (unlim-	43H = Anti Error
ited number of times)	44H = While Card + PIN code, group
	error

In/Out: 0=Reader1, 1=Reader2, 2=Reader3, 3=Reader4 (eg. "0" means Reader1)

0 : Invariable number "0"

Input : (eg. "1" means "swiping card")

0=Input card number by press-	1=Swiping card
ing keypad	

RAC-4600/4600N card-swiping data
Example :20150518,111122,0,0000003760,05,0,0,0
The fields of card-swiping data is going in sequence as : date, time, duty shift,
card number, event, In / Out, 0 , Input (way)
Date : Year-Month-Date (eg. 20150518)
Time : Hour-Minute-Second (eg. 111122)
Duty shift : Reserved("0" in the above example means no function)
Card number : (eg. 0000003760)
Event : Hexadecimal (eg. Hex. number "05" means No authorization required, any

card	can	unlock	door)
Caru	Call	ULIIOCK	uuuu)

00H = Normally swiping card	16H = Fail to unlock door in
02H = Disarm card	multi door interlocking
03H = Duress card	1DH = Incorrect holiday time
05H = No authorization required,	schedule
any card can unlock door	3DH = Card correct + PIN cor-
06H = Blacklist	rect
14H = Card number is not found	3EH = Card correct but PIN in-
15H = Incorrect time schedule	correct
	3FH = While Card + PIN code,
	operation error
	43H = Anti Error

In / Out : 0-7=Reader1-Reader8 · (eg. "0" means Reader1 ·)

0 : Invariable number "0"

Input : (eg. "1" means Input by swiping card)

0=Input card number by Key- 1=Input by Swiping card pad

RAC-2400 series card-swiping data

Example: 20150711,165254,0,0000000198,18,0,0,0,1

The fields of card-swiping data is going in sequence as : date, time, duty shift,

card number, event, In / Out, 0 , Input (way), ID number

Date : Year-Month-Date (eg. 20150711)

Time : Hour-Minute-Second (eg. 165254)

Duty shift : Reserved("0" in the above example means "no function")

Card number : (eg. 000000198)

Event : Hexadecimal (eg. Hex. number "18" means without the function of using

"any card" to unlock door) 0x00 Stand for event, and the following is event code 0x01 Valid Card 0x02 **PIN Error** 0x03 While requiring PIN code, it has to swipe card, not allows to input card number by keypad 0x04 Authorization mismatch 0x05 Holiday authorization mismatch 0x06 Valid date expired 0x07 Card number is not found 80x0 Primary card and secondary card matching failed 0x09 Authorization of Two card rule matching failed 0x0A Time attendance card 0x0B Blacklist trigger alarm 0x0C Deactivate alarm 0x0D The first primary card or secondary card or Two Card (rule) 0x0E Code-input error 0x0F Swiping card + code not unlock door 0x10 Patrol card unlock door 0x11 Patrol card can't unlock door 0x12 Patrol card's authorization mismatch, not to unlock door 0x13 Swiping card + code to unlock door 0x15 Blacklist 0x16 Swiping card within conditional unlock time schedule 0x17 Anti error 0x18 Without the function of using "any card" to unlock door 0x1D Exceed the maximum number of attempts, triggering alarm 0x1E Deactivate alarm 0x1F Unhandled data

In/Out: 0=Reader1(Reader Inside), 1=Reader2(Reader Outside) (eg. "0"

means

Reader Inside •)

0 : Invariable number "0"

Input : (eg. "0" means "Input card number by Keypad")

0=Input card number by Key-	1
pad	

=Input by Swiping card

- ID : Device ID number
- 6. Special Dump File: This function is reserved.

× Dun	npTool(¥2.0.5)									
None	HAMS eNit	വി								لماركار
	HAMS Database Path (MDB) 🗌 Merge to MDB									
	C:VProgram Files/HAMS-19/HAMS.mdb									
	Device Name		Device Type		Device No	IP/Com		Port	BaudRate	
•	940PM		RAC-940PM		2	172.16.35.43		4660		
	960PM		RAC-960PM		1	172.16.35.95		4660		
	960PMF		RAC-960PMF		1	172.16.35.96		4660		
	2000W.S		RAC-2000WS		2	COM3			19200	
	🔿 ComPort		~	Baudrate		~				
	• P	172.16.35.43			4660	Node	D 2			
	Device Type	RAC-940PM	~							
	Device Type	KAC-940FM	×							
	Swipe Card Record	l 📃 De	evice Parameter	Start Addre	ss(DEX.)	0 L	ength(1-8192)	1		
Sav	ing Path									
						Directory	Dump	Exit		
-Sp	ecial Dump File —									
	Bin File									
						File				
	Decode Bin	DeployDeviceID	00000003	Date				Card Len	10	
	Datale Dill	Deproyace Nicela			r Web File Format					

12-3 Dump Data -eNitor

It is mainly to dump swipe card records from device directly. Due to eNitor database is existence, operator need input SQL location, account and password and all devices information will display as below.

Operation Steps:

- 1. Input eNtior SQL server's information. After click [Connect], Dump tool will connect with eNtior database and list all device information.
 - SQL Server Location: SQL server's name or IP address.
 - Database Name: Please add AR_ in front of database name.
 - SQL Username: Database Name
 - SQL Password: Database Password
- 2. Select which device does you want to dump.
- 3. Tick check box of Swipe Card Record. Device Parameter is advanced function, kindly contact with engineers.
- 4. Click [Director] and select dump saving path.
- 5. Click [Dump] and starting to dump swipe card records.
- 6. Special Dump File: This function is reserved.

CumpTool(V2.0.5)	
None HAMS eNitor3	
SQL Server Location	SQL Usemanne
Database Name	SQL Password Show Password
	Connect
Device No Device Name Device Type	
○ ComPort Saudrate	▼
	660 Node ID 2
Device Type RAC-940PM	
Swipe Card Record 📃 Device Parameter Start Addres	s(DEX.) 0 Length(1-8192) 1
Saving Path	
	Directory Dump Exit
- Special Dump File	
Bin File	
	File
	Card Len 10
Decode Bin DeployDeviceID 000000003 Date	
eNitor	Web File Format

13. Help

13-1 Service

Point company name and service number, and double click on left-mouse key to modify the information. Once close the window, the modification is saved.

E Service		×
Company:	ABC	
Service:	1234567890	
💀 Service		
He Delvice		
Company:	ABC	
Hotline:	1234567890	

13-2 Version

Display current version

Chapter 6 : Appendix

Appendix A: Error Code

Return Value	Description
1125	Operation timeout during multi-thread polling
1126	An error occurred while releasing multithreaded program
1001	An error is present in the sent parameter, or device returned an error in the packets. Kindly refer to Return Code table in the appendix section
1002	Socket or communication port read/write error. An error occurred dur- ing asynchronous read/write.
1003	Data length too short, device returned an invalid data length.
1103	Length of packet is less then the expected length
1004	Invalid control handler received. Invalid hComm value,
1005	Error in the packet no. returned.
1006	Error of 16-bit Cyclic Redundancy Check (CRC-16) returned.
1106	16-bit Cyclic Redundancy (CRC-16) Checksum Error.
1007	Terminal sent an invalid command to device or device does not sup- port this function.
1008	An error occurred while performing read/write to slave device.
1009	Data length transmitted exceeded max. allowed length.
1010	No data was retrieved
4445	An error while reading device data or records
1025	Operation timed out during asynchronous read/write.
1026	Wait error during asynchronous read/write.
2225	Data was not retrieved during asynchronous read/write.

Appendix B: Trouble Shooter

After install HAMS but cannot log into HAMS.

- 1. Please check if you install HAMS by Administrator.
- 2. Click right key of mouse and select "Run as Administrator"
- 3. Please copy the error screen and send to our technology staff.

HAMS does not communication with device.

- 1. Please check software setting, if device ID, COM/IP address, port/ baud rate are same with hardware.
- 2. Please check hardware wirings.
- 3. If you are using TCP/IP machine, deice ID must be 1 in the software.
- 4. If you are using TCP/IP communication, please ping the IP first.
- 5. Device and software should in the same network.

After upload the authorization, but still display time zone error.

- 1. Please check time zone and time schedule.
- 2. Please check if time zone and time schedule are uploading to device.
- 3. Please check if the user has authorization to access the door.
- 4. Please check device ID/name, maybe the user access wrong door.

Upload speed is very slow

1. Please check if network or communication port is existence.

User cannot find records in the swipe card report.

- 1. Query condition is not correct.
- 2. Please check HAMS folder, HAMS_2015.mdb, if you can read events in PubEvent.

Appendix C : External Program (HCMS/HAMS-FACE)

Please open the software and set compatible HAMS/HTMS/HIMS database path first. Once the software database path is set, when HAMS/HTMS/HIMS software is opened, you will read "External Program" in the main function bar.

(Kindly refer to HCMS manual for data-base setting information.)

(How to use the face recognition settings, please refer to the HAMS-FACE software manual)



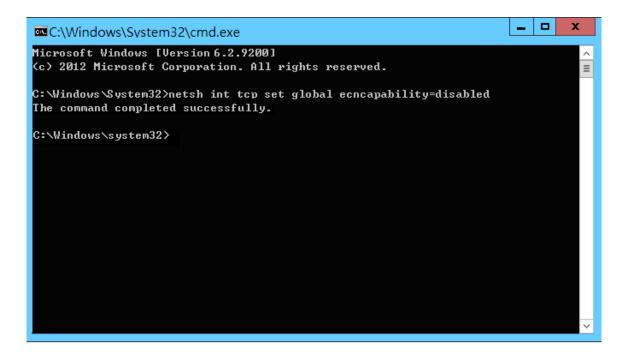
Login ADMIN Current opeartion: Authorization Setting Current Time 2014/3/11 下午 05:13:50

Appendix D: Troubleshooting when install Window Server 2012

When install HAMS in Window Server 2012, if you cannot read parameter or upload settings, please process follow steps.

- 1. Please go to Start-> execution and input C:\windows\system32\cmd.exe System will display Server windows 2012 version.
- 2. Input command : netsh int tcp set global ecncapability=disabled
- 3. Then go back to HAMS and set parameters and download authorizations to hardware again.

After that, system may work normal.



ONE YEAR LIMITED WARRANTY

This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence or modification of any part of the product. This warranty does not cover damage due to improper operation or maintenance, connection to improper equipment, or attempted repair by anyone other than .

In no event shall manufacturer's liability exceed the price paid for the product from direct, indirect, special, incidental, or consequential, damages resulting from the use of the product, its accompanying software, or it's documentation. Hundure makes no warranty or representation expressed, implied, or statutory, with respect to its products, contents of use of this documentation and all accompanying software, and specially disclaims its quality, performance, merchantability or fitness for any particular purpose. Hundure reserves the right to revise or update its product, software or documentation without obligation to notify any individual or entity.

TECHNICAL SUPPORT

For technical questions regarding your product. Please email to our service and support team at

overseas@hundure.com