BL2000-CIC-V6 Modular Elevator IC Card Control System

User Manual

Version: 2.0

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1 Elevator IC Card Control System Overview

1.1 System Overview

Elevator IC Card Control System consists of two parts, i.e. Client Terminal and Administration Terminal. The Client Terminal refers to the Elevator IC Card Controller which is installed inside of elevator's COP (Car Operating Panel), the Administration Terminal composes of Elevator IC Card Reader and Management System Software. The IC Card Control operation is applied when the elevator is in auto mode and IC Card control function is enabled. This system is normally used in residential community area, and through the access permission authorization to control the car call registration.

1.2 System Functions

- Elevator Access Permission Control: To configure owners access permission optionally.
- Time Limit and Count Limit of Usage Control: To control the time of usage and number of usage times freely.
- Programmable Accessible Floors for using IC Card Control: To configure any floors access permission with IC Card controller.
- Report Lost or Disabled Card: To register any specified IC cards which are lost or disabled.
- Cancel Lost or Disabled Cards: To recover any specified IC cards which have been previously registered as lost or disabled.
- Data Management: To view information and records of distributed IC cards; to view payment information and payment record.
- Controlled Data Management: To read the information from IC Card Controller such like information on lost or disabled IC cards, to view IC Card usages and to adjust the date/time.
- Anti-copy Function: Rolling code prevents from copying. Copy card is invalid.

1.3 System Usage Condition

IC Card Control is operative when the following conditions are fulfilled:

- Elevator is in automatic mode and without errors
- IC Card Control function is set to enable by Car Control Board in the COP
- Open IC card by Car Control Board in the COP

1.4 System Usage Procedures

- 1. Installation and commissioning of elevator IC card controller at car end;
- 2. Enable elevator IC card control and open/shielded IC card control function on one floor;
- 3. Set the all-in-one machine parameter FD-03;
- 4. Use the IC card management system to issue cards: 1) establish a community 2) establish an elevator 3) issue cards;
- 5. Swipe the card to take the elevator.

2 Usage Description for Products related to Elevator Cabin

2.1 Elevator IC Card Controller Installation

1. Terminal Connection Definition

In using, connect terminal JP1 of IC controller to terminal JP5 of cabin command board via flat cable.

2. Installation Layout Diagram

Device and installation are shown as following. Affix the reading area close to the sensing area.

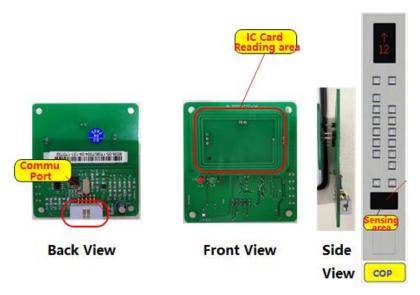
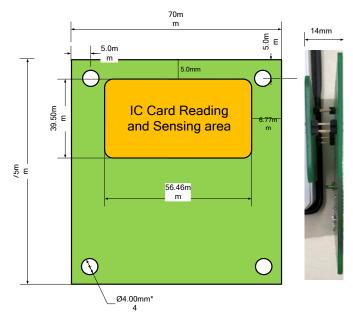


Figure 2.1.1 Photo of Controller Installation



Note: IC card sensing area is 10mm higher than the base board

Figure 2.1.2 Dimension of Product

2.2 Enabling IC Card Control and setting up of floor access with controlled or uncontrolled function

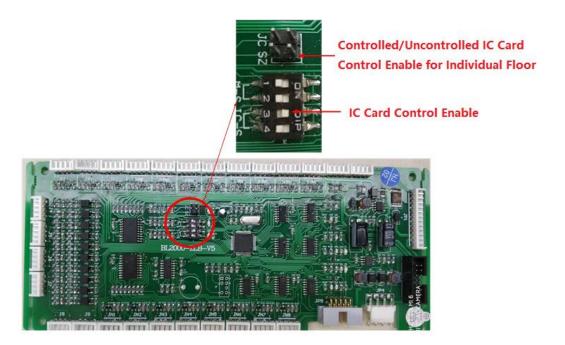


Figure 2.2.1 DIP Switch Enables IC Card and Jumper Sets Individual Floor

Controlled/Uncontrolled

The setting jumper SZ and DIP switches SW of modular cabin command board BL2000-ZLBare used to set IC Card Control function. When DIP switch 3 is on, enables IC card control function. When jumper SZ is shorted, enable to set IC card controlled or uncontrolled for individual floor.

2.2.1 COP IC Card Control Enable

- (1) When elevator is in auto mode without any error, the elevator IC Card Control is operative when IC Card Control function is enabled by setting DIP switch 3 of modular cabin command board, to ON. After IC card control is activated, swiping IC card then car call can register.
- (2) How to open or close the IC card on the cabin command board
 By default, the IC card has been enabled on the factory modular instruction board.
 After the DIP switch 3 of the modular instruction board is turned to ON, if the elevator is in the open IC card control state at this time, use the setting card to swipe the card three times continuously, wait for about 4 seconds for the buzzer to ring six times continuously and the light flashes twice, which means that the card swiping is successful. At this time, the elevator turns off the IC card control, and cannot ride the elevator by swiping the card, but returns to the normal way of pressing the button to ride the elevator:

After the DIP switch 3 of the modular instruction board is turned to ON, if the elevator is not open to IC card control at this time, use the setting card to swipe the card three times continuously, wait for about 4 seconds for the buzzer to ring three times

continuously and the light flashes once, which means that the card swiping is successful. At this time, the elevator opens the IC card control function, and the elevator needs to swipe the card to take the elevator;

When the DIP switch 3 of the modular instruction board is turned to OFF, the elevator will always turn off the IC card control function, and swiping the card three times continuously with the setting card will not enable the elevator to turn on the IC card control function.

2.2.2 Controlled/uncontrolled IC Card Control Function Enable for Individual Floor

There is a special floor in the elevator that does not need to swipe the card to take the elevator. It needs to set the shielding IC card control function for this special floor. How to set it is as follows.

Table 2.2.1 Instruction for DIP Switch Enables IC Card and Jumper Sets Individual Floor Controlled/Uncontrolled

Jumper SZ	r SZ DIP Sw		itch SW		Function	
SZ	SW-1	SW-2	SW-3	SW-4	Function	
ON	Х	Х	ON	Х	Individual Floor IC Card Controlled/Uncontrolled	

- 1. Disconnect power to cabin command board, set DIP switch SW and jumper SZ according to table above to activate Controlled/uncontrolled IC Card Control Function. Then connect the power, the buzzer will beep twice to enter this function setting. In this mode, the calling buttons of cabin command board will indicate setting status; door open button indicates Visitor function setting.
- 2. If the car calling button(s) of floor(s) is/are lightened, it means the respective floor(s) is/are under controlled by IC Card Control; if the calling button(s) of floor(s) is/are not lightened, it means the respective floor(s) is/aren't controlled by IC Card Control, that is, the particular floor(s) will not be restricted by the IC Card Control. Press the car calling button(s) to set controlled or uncontrolled floor(s).
- 3. If the door open button is on, it means visitor function is enabled. If the door open button is off, it means visitor function is disabled.
 - 4. By default, all floors are initially set as controlled by IC Card, no visitor function.
- 5. Disconnect the jumper SZ to exit the setting mode as well as to save the setting, all set buttons flash three times and then resume to normal operation.

Note:

- 1. By default, all floors are controlled by IC Card, if the homing floor or evacuation floor shall not be controlled, then user should do the setting before putting it into operation.
- 2. For system with secondary cabin command board, both two cabin command boards need to be set at the same time.

2.3 The Usage of IC Card Control Board

2.3.1 Elevator IC Card Parameter Settings

Before using IC card controller, users need to set Elevator identification and sector starting address on elevator main control board by an operator. The FD-03 parameter menu displayed on operator screen corresponds to the settings of Elevator identification and sector starting address. This menu should be set as decimal number, which converts from16-bit binary number. The higher 8 bits refer to sector starting address and the lower 8 bits refer to Elevator identification. The values of the initial sector and elevator identification are created when the card is issued in the elevator IC card management. Therefore, need to pay attention to the values of these two parameters when issuing the card to facilitate the calculation of FD-03.

Table 2.3.1 Elevator identification and Sector Starting Address Settings

FD-03 (decimalnumber:0-65535 == binary number:16bits)				
Higher 8 bits	Lower 8 bits			
Sector Starting Address	Elevator identification			
Range from (1-14)	Range from(1-99)			

Setting value: FD - 03 = Sector Starting Address * 256 + Elevator identification

If there no special requirement, all sector starting address will be default value of 1. Thus, FD-03=256+Elevator identification.

For example: Sector starting address is 1, Elevator identification is 3, FD-03=259;

Sector starting address is 8, Elevator identification is 25, FD-03=2073.

Note:

If the initial sector and elevator identification are both set to 1 when the card is issued in the elevator IC card management, the parameters of the all-in-one FD-03 will remain at the factory values and no settings are required.

2.3.2 Buzzer and LED Indicators of IC Card Control Board

IC Card Control Board is using buzzer, LED "L_G" to indicate operating, and digital displays SM2 and SM1 to show the card swiping operation and error codes.

Table 2.3.2 Setting card

Valid (Buzzer Sounds Times	WORK LED Flash Times	
Setting success	Sound twice	Flash once	
Setting fail		No sound	No flash
Сору	Continuously swipe 5 times to activate copy protection	Sound 1 times	Flash once
protection	Continuously swipe 5 times to inactivate copy protection	Sound 6 times	Flash twice
Turn on or off the IC card with the modular cabin	Continuously swipe 3 times to open IC card	Sound 3 times	Flash once
command board	Continuously swipe 3 times to close IC card	Sound 6 times	Flash twice

Table 2.3.3 Public card

Valid Card Swiping Type	Buzzer Sounds Times	WORK LED Flash Times
Swipe success	Sound once	Flash once
System identification mismatch	Sound 5 times	Flash twice
Overtime	Sound 5 times	Flash once

Table 2.3.4 User card

Valid Card Swiping Type	Buzzer Sounds Times	WORK LED Flash Times
Swipe success	Sound once	Flash once
Invalid address	Sound 4 times	Flash twice
Community identification mismatch	Sound 4 times	Flash once
Overtime	Sound 5 times	Flash once
Overcount	Sound 5 times	Flash twice
Copy card	Sound twice	Flash once
Set the card to close the IC card function and swipe the user card	Sound 6 times	Flash twice
Loss reporting card	Sound 6 times	Flash twice

3 Installation and Description for Management Centre Related Products

Before using the IC card to swipe the card to take the elevator, you need to use the elevator IC card management system to issue the card. In the IC card management system, the card types are divided into setting cards, public cards, and user cards. Swiping the setting card is to set the parameters of the IC card controller. When using the IC card controller for the first time to swipe the card to take the elevator, you need to swipe the setting card first; the public card is used to open all floors of the elevator. To grant permission for taking the elevator, that is, by swiping the public card and manually pressing any elevator floor, you can register successfully; the user card opens the permission for taking the elevator to the specified floor. If you select the permission for one floor when issuing the user card, the single floor selected when the card is issued will be automatically registered when you swipe the user card. If you select permission for multiple floors, you need to swipe the user card and manually press the corresponding floor before you can register. Regarding the number of cards, there are no special requirements. Just set one card and issue it. User cards and public cards will be issued according to actual needs.

Regarding the elevator IC card management system, it is currently divided into web version and stand-alone version. Which version should the customer use? Please refer to the corresponding instructions.

3.1 Introduction to the process of using the web version

It is the first time to use the elevator IC card management system to issue cards. The card issuance process is mainly divided into: first logging in to the system, establishing a community, then setting up an elevator, and finally issuing the card.

3.1.1 Login to the elevator IC card management system

The computer network is normal. Open the browser (Google Chrome is recommended) and search for https://ic.sylgsoft.com. The following interface will appear. Enter your account number and password to log in.



Figure 3.1 IC card management system login interface

After successfully logging in, you will see the content on the home page, as shown in Figure 3.2. The home page introduces operating instructions, which you can refer to when issuing cards.



Figure 3.2 IC card management system homepage interface

3.1.2 Establishment of community

(1) Click on the community interface and click Add;



Figure 3.3 Community account management interface

(2)In the pop-up page, add the cell name, cell identity, initial sector and remarks, and finally click OK. The name of the newly created cell will appear in the cell list. Editing and deletion of the cell are supported, and multiple cells are supported at the same time; among them, the cell label The identification consists of numbers, and the requirements are different from other community identifications. The initial sector range is 1-14, and the default is 1. The initial sector and the elevator identification mentioned in the subsequent chapters are very important and are related to the setting of the all-in-one machine parameter FD-03 (FD-03 = initial sector * 256 + elevator identification), it is recommended that there are no special requirements. If the initial sector and elevator identification are both set to 1, then the all-in-one machine parameter FD-03 remains the factory value and does not need to be set. If the initial sector or elevator identification is a value other than 1, the all-in-one machine parameter FD-03 needs to be set; remarks are optional.

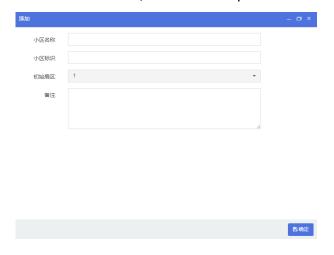


Figure 3.4 Community adding interface

Note that after logging into the system, if the account has management rights for multiple communities, you need to click the triangle mark after the current community at the top of the page to switch communities.



Figure 3.5 Switch community management interface

3.1.3 Establishment of elevator

(1) Click on the elevator, click Add, and add the elevator.



Figure 3.6 Elevator adding interface

(2) Confirm whether the community name is correct. If you find that it is not the community that needs to be issued a card, click the triangle number after the current community at the top of the page to switch communities; add the elevator name, elevator logo, select whether to pass through the door, total floor and remarks, and finally click OK, among which, whether the door is connected to the total floor is filled in according to the actual situation. The elevator identification consists of numbers, ranging from 1-99. The elevator identification and the initial sector mentioned in the previous chapter are very important and are related to the setting of the all-in-one machine parameter FD-03 (FD-03 = initial sector * 256 + elevator identification), it is recommended that there are no special requirements. If the initial sector and elevator identification are both set to 1, then the all-in-one machine parameter FD-03 remains the factory value and does not need to be set. If the initial sector or elevator identification is a value other than 1, the all-in-one machine parameter FD-03 needs to be set.



Figure 3.7 Elevator filling interface

3.1.4 Card issuance operation

(1) To issue a card, connect the USB Reader to the computer.



Figure 3.8 USB reader connects to computer interface

(2) Click the "Connect Card USB reader" button in the upper right corner of the page.



Figure 3.9 Connect Card USB reader interface

(3) The browser pops up a list of serial ports you want to connect to, select the paired COM port in the list. Click "Connect". Note: When the "Connect Card Issuer" button in the upper right corner of the page flashes, it means the connection has been disconnected and needs to be reconnected.



Figure 3.10 Port connection interface

(4) Place the IC card on the USB reader, and the system will automatically read the IC card information. After the reading is successful, the IC card information window pops up on the page. Complete the IC card information according to the actual situation, and then click the "Write Card" button. After successfully writing the card, remove the IC card from the card issuer. Note: If you do not remove the IC card, the system will continue to read the IC card information and pop up the window again. In addition, confirm whether the community name is correct. If it is found that it is not the community where the card needs to be issued, click the triangle number mark after the current community at the top of the page to switch communities.

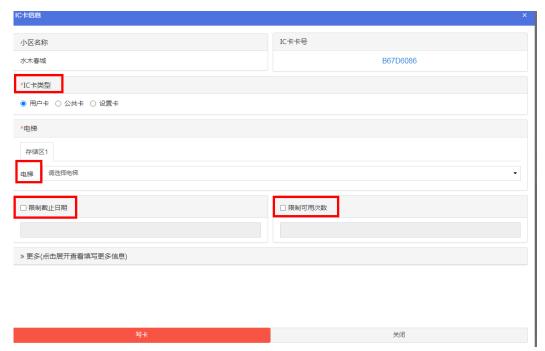


Figure 3.11 Card issuance interface

There is a status bar "More (click to expand to view and fill in more information)" in the IC card information window. After clicking, it is shown in the figure below. It supports one card to swipe multiple elevators, batch issuance of cards, and supports filling in user name, address and contact number. The above information can be selected and filled in according to the actual situation.



Figure 3.12 The status bar "More" screen

IC card types are divided into user cards, public cards, and setting cards; when using the IC card controller for the first time to swipe the card to ride the elevator, you need to swipe the system logo to set the card. For the IC card type, click Set Card, and finally click Write Card.



Figure 3.13 Setting card (system identification) interface

When issuing a public card, select public card as the IC card type, support time limit, check the box according to your needs, and finally click Write Card.



Figure 3.14 Public card interface

The user card needs to select the elevator and floor. You can select one floor or multiple floors. When selecting a floor, the floor will be automatically registered after swiping the card. When selecting multiple floors, passengers need to manually select the floor after swiping the card. The number and time limits are supported. Select according to needs, and finally click to write the card.



Figure 3.15 USER card interface

3.1.5 Report lost card

(1) Click on the IC card in the directory on the left, find the IC card that needs to be reported lost through the filtering function above the table, and click the "Report Lost" button behind the IC card information, as shown in the figure below.



Figure 3.16 Report loss IC card interface

(2) Place a new card on the IC card reader and wait for the card to be read. After the card is read successfully, the card number information will be displayed. Finally, click Write Card, as shown in the figure below. Place the card in the card swiping area of the IC card controller and swipe the card once to complete the loss reporting operation.



Figure 3.17 Lost card issuance interface

3.1.6 Restore card

(1) Click on the IC card in the directory on the left, use the filter function above the table to find the IC card that needs to be applied for restoration, and click the "Restore" button behind the IC card information, as shown in the figure below.



Figure 3.18 Restore IC card interface

(2) Place a new card on the IC card reader and wait for the card to be read. After the card is read successfully, the card number information will be displayed. Finally, click Write Card, as shown in the figure below. Place the card in the card swiping area of the IC card controller and swipe the card once, and the recovery operation is completed.



Figure 3.19 Restore the card issuance interface

3.1.7 One user card supports multiple elevator card swiping

It supports one user card to write the floor permissions of multiple elevators, that is, one user card can swipe multiple elevators to ride, and supports up to 6 elevators. In addition, for example, there are two elevators, unit 1 in building 4, and unit 2 in building 4. One user card is required to support the 2nd floor and building 4 of unit 1 in building 4. The 3rd floor of Unit 2, so when issuing a card, select the IC card type as user card, and select whether there is a time limit based on your needs. Select Unit 1 of Building 4 in memory 1, select Floor 2, then click on the more status bar, click Memory 2 to select Unit 2 of Building 4, select Floor 3, and finally click Issue Card.



Figure 3.20 Memory card issuance interface

3.1.8 Write cards in batches

Multiple cards are required for the same floor in the same elevator in the same community, and cards can be issued in batches. Place the card on the card writer, the card information will pop up on the software, and check the batch writing function. The IC card information window will not close after the card writing is successful. After replacing the IC, the IC card number will change, and the permission information will remain unchanged in the current window. You can directly click "Write Card" to write the information into the card.



Figure 3.21 Batch card writing interface

3.1.9 Export IC card information

After logging in to the system, select "IC Card" in the left menu bar, and select to export the EXCEL table in the right window. The table contains IC card data information.



Figure 3.22 Export IC card information

3.1.10 Operation log

After logging in to the system, select "Operation Log" in the left menu bar, and the operation log list will appear in the right window.



Figure 3.23 Operation log interface

3.1.11 Support different accounts to manage different communities

The administrator adds multiple new accounts and then binds the new accounts to the community. The new accounts can manage the community. Click Community Account Management, click Add under the account list; add an account, nickname, and password, and click OK; the newly created account will appear in the account list, click Account and Community, and finally click the Bind Community button (this function is only available for some accounts).



Figure 3.24 Community display interface

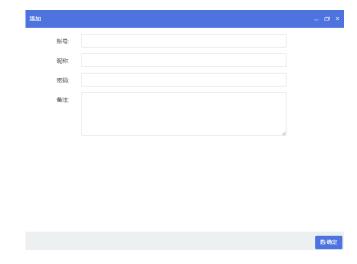


Figure 3.25 Community display interface



Figure 3.26 Community display interface

3.1.12 Reset password

If you forget your password, you can use your mobile phone number to receive a verification code to reset it (note that if your mobile phone number is not filled in in the account, you will not be able to reset it. To set a password, please contact the account administrator to complete the mobile phone number). Click "Forgot Password" on the login page, and a password reset window will pop up. Enter your mobile phone number and click "Send Verification Code." After your phone receives the verification code, enter the verification code and new password, and click the "OK" button below the pop-up window. As shown below.



Figure 3.27 Password reset interface

3.2 Introduction to the use process of the stand-alone version

3.2.1 Installation of elevator IC card management system software

- (1) Elevator IC card management system software download address:http://iecs.com.cn/soft/iccard/index.html
- (2) After downloading, unzip it, click the icon in the installation file directory to open the main interface of the program, and the following activation screen will be displayed in the inactive state;

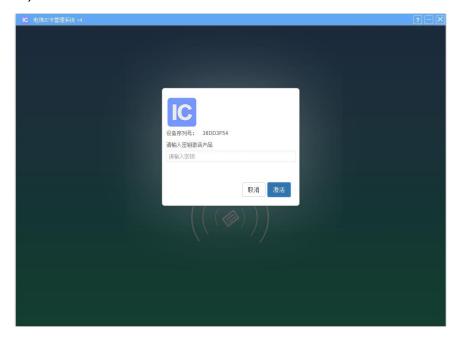


Figure 3.28 Main interface not activated

(3)Send the 8-bit Device Serial Code to After sales engineer will reply with an 8-bit Secret Key. Fill in secret key then click 'Activate' to enter the program. Username and password are required.



Figure 3.29 Activation interface

3.2.2 Installation of elevator IC USB reader

Plug the device into the USB port of the PC and it will be automatically recognized, eliminating the need for driver installation.



Figure 3.30 Elevator IC USB reader

3.2.3 Initial configuration

(1) Super Administrator Login



First time for super administrator to login:

Username: admin

Password: admin

After login, click 【Change Password】 at the bottom left of the page can change the administrator password.

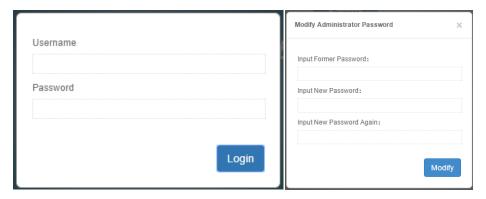


Figure 3.31 Super administrator login and password change interface

(2) Ordinary administrator (operator) login

After the super administrator logs in, click the [User Configuration] button in the lower left corner to enter the user management dialog box. You can add, delete, and modify employee usernames and passwords, and click [Save] after completion.

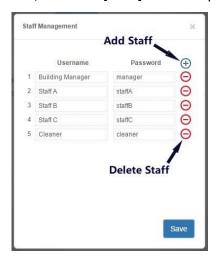


Figure 3.32 Ordinary administrator (operator) login interface

(3)System configuration

After the super administrator logs in, click the [System Configuration] button in the lower left corner to enter the configuration dialog box. in:

"System Title" is the title displayed in the upper left corner of the system platform window;

"System LOGO" is the system display picture displayed in the upper left corner of the window. The initial configuration is the text "Elevator IC Card Management System". It can be modified by selecting the picture file to upload;

"Initial sector" is the starting sector configuration for reading and writing IC cards in this system, and the initial configuration is 1;

"Language" is the language selection for this system, and the initial configuration is Chinese.

The above modifications will take effect after clicking the [Save and Restart] button.

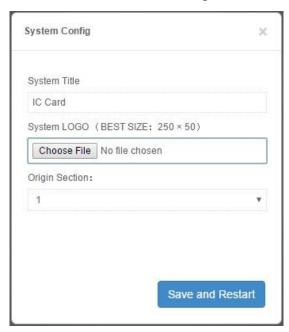


Figure 3.33 System configuration interface

- (4) Owner and resident information configuration
- ①Community management: Right-click on the {Community List} menu above the left column and select "Add Community" to pop up the community configuration dialog box, fill in the "community name" and "community identification", where the "community identification" is a number greater than 1, and each community cannot be repeated. It can be automatically generated by clicking the [Generate] button; "User / public card permission control method" is the restriction method for card swiping permissions, with two options: time limit and frequency limit.



Figure 3.34 Add community interface

Right-click {Community Name} on the left column and select "Delete" from the menu to delete the community information; select "Edit" from the menu to modify the community name; double-click {Community Name} on the left column to modify the community name; select "Community Configuration" to enter the community management interface and add a community.

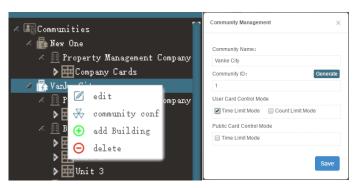


Figure 3.35 Community management interface

②Building management: Right-click on the {community name} menu on the left column and select "Add Building" to add a building in the community and fill in the building name; the building name can be filled in as "property", etc., to manage the cards held by the property staff; right-click on the left column {building name} menu and select "Delete" to delete the building information; select "Edit" on the menu to modify the building name.



Figure 3.36 Building management interface

(3) Unit management: Right-click on the menu on the left column {building name} and select "Add Unit" to add a unit in the building, fill in the unit name, and press Enter to save; right-click on the menu on the left column {unit name} and select "Delete" to delete the unit information; select "Edit" on the menu to modify the unit name; select "Elevator Configuration" on the menu to enter the elevator configuration dialog box: click the [+] button to add an elevator controller. After selecting the controller name, you can click the red delete button in the upper right corner to delete the controller. After selecting an elevator controller: fill in or modify the "controller number". The content should be a number greater than 1. It cannot be repeated for each elevator. You can click the [Generate] button to automatically generate it. Fill in or modify the "Controller Name", such as "Elevator #1" or "Elevator A", etc. Fill in the "total number of floor stations", the maximum number of floors for non-through doors is 64, and the maximum number for through doors is 32 floors. Select whether it is a "through door" elevator. After completing the above content, you can fill in the display name of each floor station. For example, the display name of the "18" floor is changed to "17A".

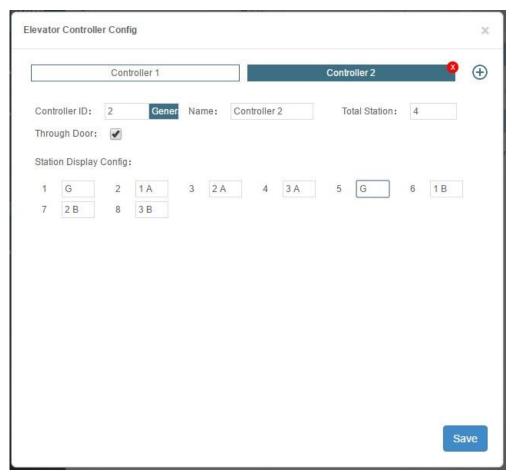


Figure 3.37 Unit management interface

3.2.4 Card Information Setting

(1)Search for IC card information in system

Click an item from any class in the left column: all the cards information under this item class could be found. For example, click a building name, all IC cards hold by the residents who live in this building, will be displayed in the right column. Click a household name, then only this household's IC card will be displayed. Keyword search from top of window: fill in Owner and Mobile, choose whether to tick Arrearage, then cards information of all the residents who meets this keyword conditions, will be displayed. The above two searching methods can be used together.

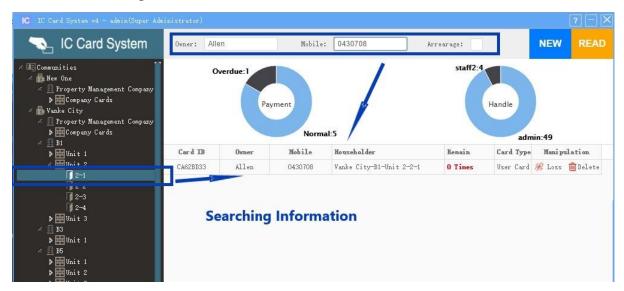


Figure 3.38 Search and Inquire Card Information Page

(2) Report Lost Card/Lost Card Recover and Delete Card

After requested card is found, its information is listed in the right column. Click 【Loss to report this card as a lost card. Click 【Reco】 to recover this card from lost and cancel the lost card report. Click 【Delete】 to delete this card registration and information.

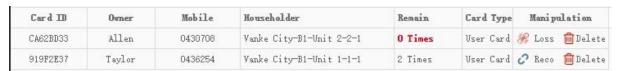


Figure 3.39 Lost Card Report /Lost Card Recover and Delete Card Page

(3)Connect to Serial Communication Device (IC card read/write device)

Connect IC card read/write device through serial communication port before issue new card, read card and write card. Follow instructions below: check connection state at the bottom left corner. If it indicates 'off-line', click 【Serial Ports 】 and select the port that IC

card read/write device connects to, for example 'COM3'. The connection state changes to related serial port number after connection succeed. Click 【Disconnect】 to disconnect communication if need.



Figure 3.40 Serial Communication Port Connection

(4)Read Card

Make sure serial communication is successfully connected, put a card into the slot of card read/write device and click 【READ】 at the upper right corner of system window, then card information can be read by the device. If a 'Card Not Found' message prompts, please check the card is in the correct position or if the card is damaged. If an 'Unregistered Card!' message prompts, which means this card is an unwritten new card or the card has been rewritten by other devices. After a card is correctly read meanwhile the system has already stored this card's information, all details of this card will be displayed and can be edited by operations.

(5)Issue New Card

Make sure serial communication is successfully connected, select a household (door) and click it in the left column, put a new card into the slot of device, then click 【NEW】 at the upper right corner of system window. The IC Card Manage window will show up in the right side of system window. Fill in and edit the information window with card information accordingly, then click 【WRITE】 at the bottom to save it.

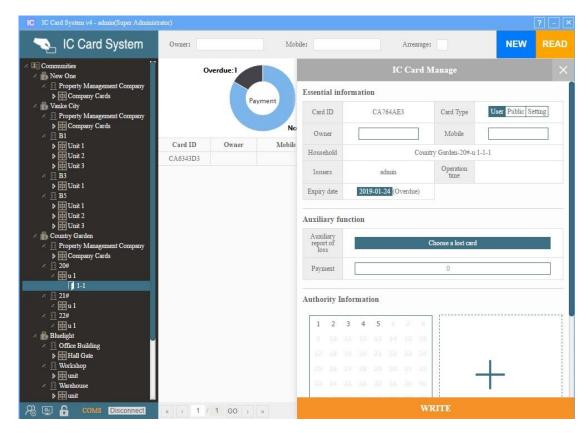


Figure 3.41 Read Card and Issue New Card Page

(6)Write Card

When applying read card operation or simply click to select a card from display list, the IC Card Manage window will show up in the right side of system window.

(1) Select a 'Card Type' from three options:

User: choose from time limit or count limit, limited access to specific elevators and floors (maximum 6 elevators), featured with payment, lost-card auxiliary function and other operations.

Public: no count limit, choose to use times limit.

Setting: no time limit or count limit, can update setting types: Default, Report lose/Shield by address, Report lose/Shield totally (all addresses), Recover.

- ②Fill in Owner (card holder) name and Mobile number.
- ③Set Expiry date (one at most) or Remainder times (not used often) as need.
- 4 For User card to fill in Payment amount, do not fill in if not paid.
- 5 Using 'Auxiliary report of loss' function, click 'Choose a lost card' if the current owner's unit has lost card record, then write this card to recover from a lost card.

6 For User card to update 'Authority Information': click 'Add a new elevator authority' to add an elevator and select floors to give card accessibility. Move the mouse arrow to an elevator station box, click the circle on the upper left corner of box to select all stations, click the red cross mark on the upper right corner of box to delete this elevator from card. It can add up to 6 elevators.

7After filling in this window, click 【WRITE】 to write information to the card. System will indicate 'Write Success' when finish.

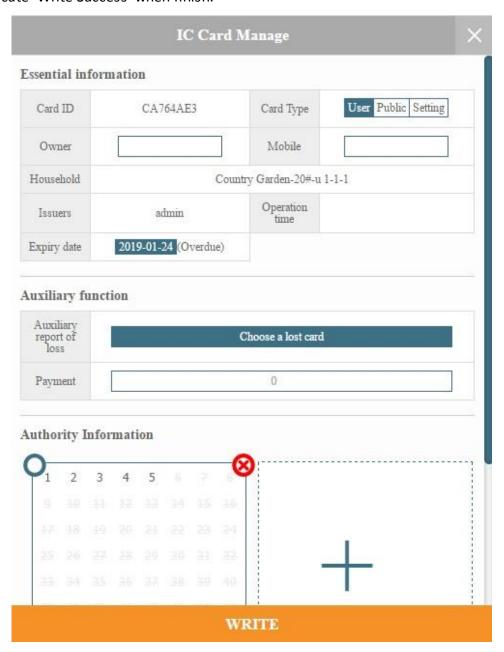


Figure 3.42 Write Card Page

3.2.5 Data Management

(1)Data Statistic

IC cards overdue statistic, administrator IC card handle history.



Figure 3.43 Data Statistic Page

(2)Data Backup

Click 【Data Backup 】 at the bottom right corner of system window, choose a Disk as backup address to store backup data (a removable storage device such as USB drive is recommended, please keep it safe).

If system does not backup for more than one week, it will give a reminder after login.

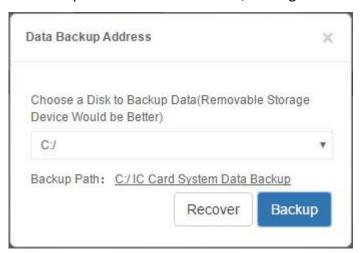


Figure 3.44 Data Backup Page

4 Mobile phone (NFC) swiping card to take the elevator

Our IC system supports mobile phones (with NFC function) to swipe cards and take the elevator. The specific steps are as follows.

4.1 Mi phones

step 1: Turn on the NFC function of the phone.



Figure 4.1 Open NFC interface

Step 2: Open an APP wallet that comes with your mobile phone, and click the door card key.



Figure 4.2 Click the door card key interface

Step 3: Create a blank card. Click Add after the custom blank card. The phone starts to create a blank card. You need to wait patiently for a few seconds.



Figure 4.3 Add blank card interface

Step 4: After the card data is written in, the user-defined card interface appears. You can name the card and select a personalized card face, and then click Finish to create a blank card.



Figure 4.4 Add blank card success interface

Step 5: The computer logs in to the elevator IC card management system and plugs in the card writer. After the card writer is successfully connected with the IC card management system, the NFC sensing area of the mobile phone is closely attached to the card writer and the card is issued (the card issuing process is consistent with the IC card process). It is recommended that you click Read Card on the IC card management system to see if you can read the blank card. If you can't read it, please confirm again whether the NFC sensing area of the mobile phone is correct, There should be no metal objects on the card writer. The NFC sensing area of the mobile phone should be close to the card writer.



Figure 4.5 Interface for writing blank cards to mobile phones

4.2 Huawei mobile phone

Step 1: Open the wallet APP and click the key.



Figure 4.6 Key interface

Step 2: Click the access card and create a blank card.



Figure 4.7 Create blank card interface





Figure 4.8 Create blank card interface

Step 4: Press this prompt to enter the card writing interface, place the card on the card writer, and write the card. (The card issuing process is consistent with the IC card issuing process).



Figure 4.9 Blank card creation success interface