

HOTEL LOCK

HL100





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1. System Overview

1.1. System components

1.1.1. The door locks



1.1.2. General Lock Features

When a guest occupies a room, their complete privacy is insured by extracting a deadbolt. The deadbolt can only be retracted from outside the room with the (metal) Emergency Key (for locks with cylinders), a keycard with authorized deadbolt override,

Both the deadbolt and latch bolt can be retracted by use of a keycard authorized for deadbolt override. If no deadbolt override is assigned to the card, the indicator on the outside escutcheon, just above the card insertion slot, displays a yellow light when the card is presented

1.1.2.1. Deadbolt override

A keycard can be authorized to override the deadbolt. Certain User Groups can be pre-defined to always have Deadbolt override. For Guest Keys it is also possible to set Deadbolt override as a tick off item in the Common Door list box. This means that the card is able to override the Privacy function (unlock when door is dead bolted).

The lock can always be opened by pressing the inner handle even if the deadbolt is extracted. This serves as an emergency exit

A new guest card automatically locks out the keycard of the previous guest. This is accomplished by assigning a start time to the card. When the card is issued, the system writes the present time onto the card.

Employee keycards work in parallel with the guest keycards. The employee keycards also are valid only for a specified amount of time. However, it is usually for a longer time than a guest keycard. Employee keycards are normally issued for access to one or several sections of rooms, depending on the hotel's needs, but keycards for bellboys can easily be encoded to allow access to individual rooms, like guest keycards. Employee access keycards do not override guest keycards and therefore do not affect a guest's access

1.1.2.2. Cylinder for Mechanical Override (Optional)

Most locksets may be equipped with a mechanical cylinder operated by the metal Emergency key (EMK). This cylinder will withdraw both latch and deadbolt when operated, and represents a dual independent emergency opening system, totally separated from the electronic lock controller.

1.1.2.3. Common Doors

Common Doors are typically perimeter doors, garage, health club, pool, VIP floors etc. This access is assigned automatically when the keycards are issued based on the settings in the System. Up to 32 of these Common Doors can be specified in the BIS Software.

Access to Common Doors is given in addition to doors that are specifically selected when the keycard is issued and up to 32 Common Doors can automatically assigned to a keycard when it is issued. For example, all Guest keycards might automatically include access through exterior entrances and parking

1.1.2.4. System Events

The BIS system keeps a constant log of every computer transaction. The log is recorded to the hard disk. The log may be recalled from computer memory at any time by running a system event report. Reports may include every computer entry or may be limited to a given room or a given user. Logged data are time of event, name of operator and details about the command issued.

1.1.2.5. Lock Modes

Locks can be set to operate in 2 different modes.

Normal Mode—the door is locked and unlocks when a valid keycard is withdrawn.

Passage Mode—the door will alternate between locked and unlocked whenever a valid keycard is presented

1.1.2.6. Time-control

All keycards include a start and expiration date

1.2. RFID card encoder

It is used for reading and writing cards



RW-69

1.3. Hand held unit

The Hand held unit brings information from BIS database to the locks when the system is started for the first time (configuration and initialization) and brings information from the lock to BIS when you want to see the information of the lock.



RD-08

1.4. BIS Software

The software can be installed on PC that meets following requirements:

1.4.1. The requirements for the PCs OS:

Windows 7, 8, 10, 11

Windows sever 2008, 2012, 2016

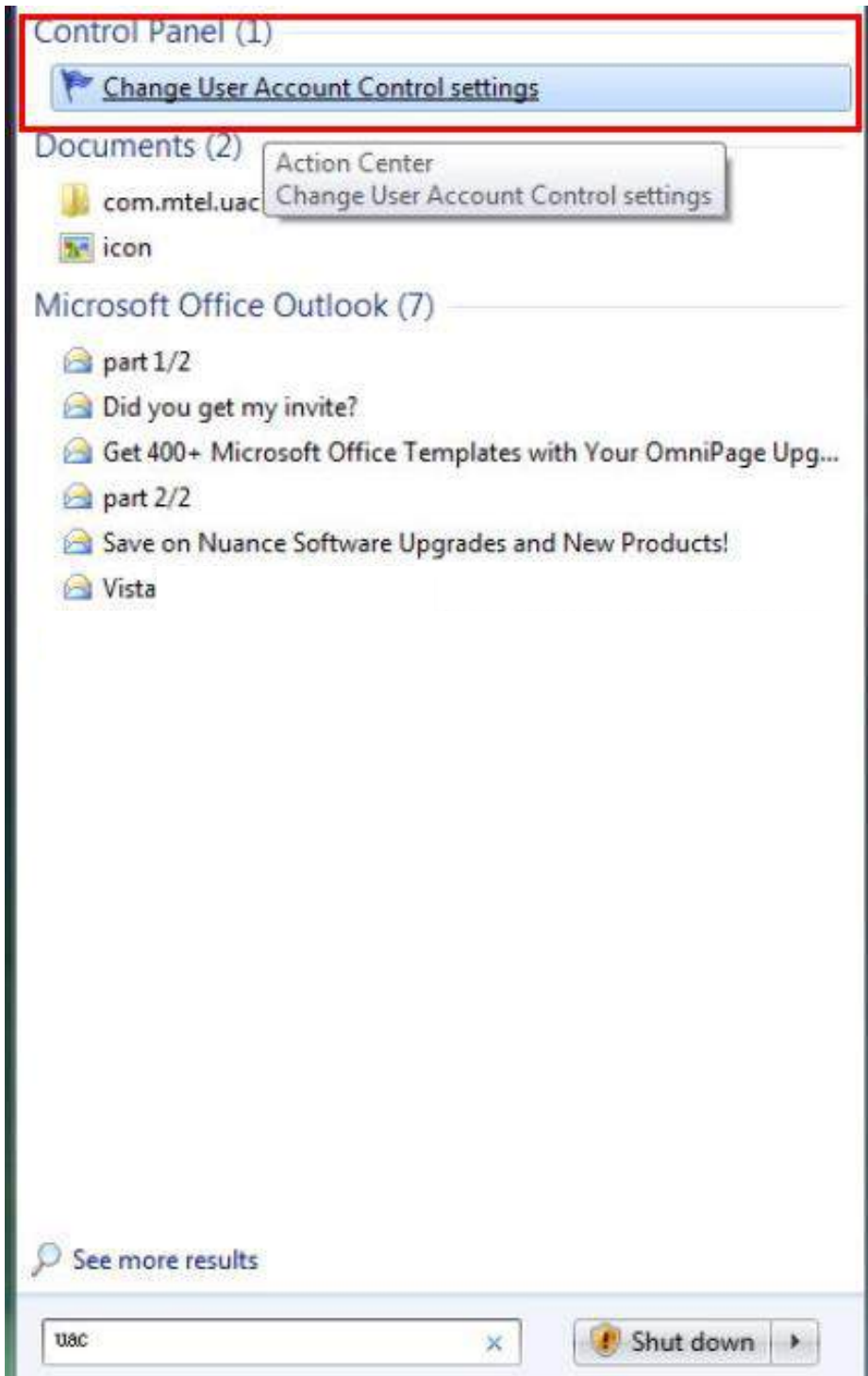
2. Before software installation

Closing UAC is necessary before installing eSSL locking system, otherwise you will get an error while running the software, and then you cannot use the software. Please see below to close in Win 7 and Win 8.

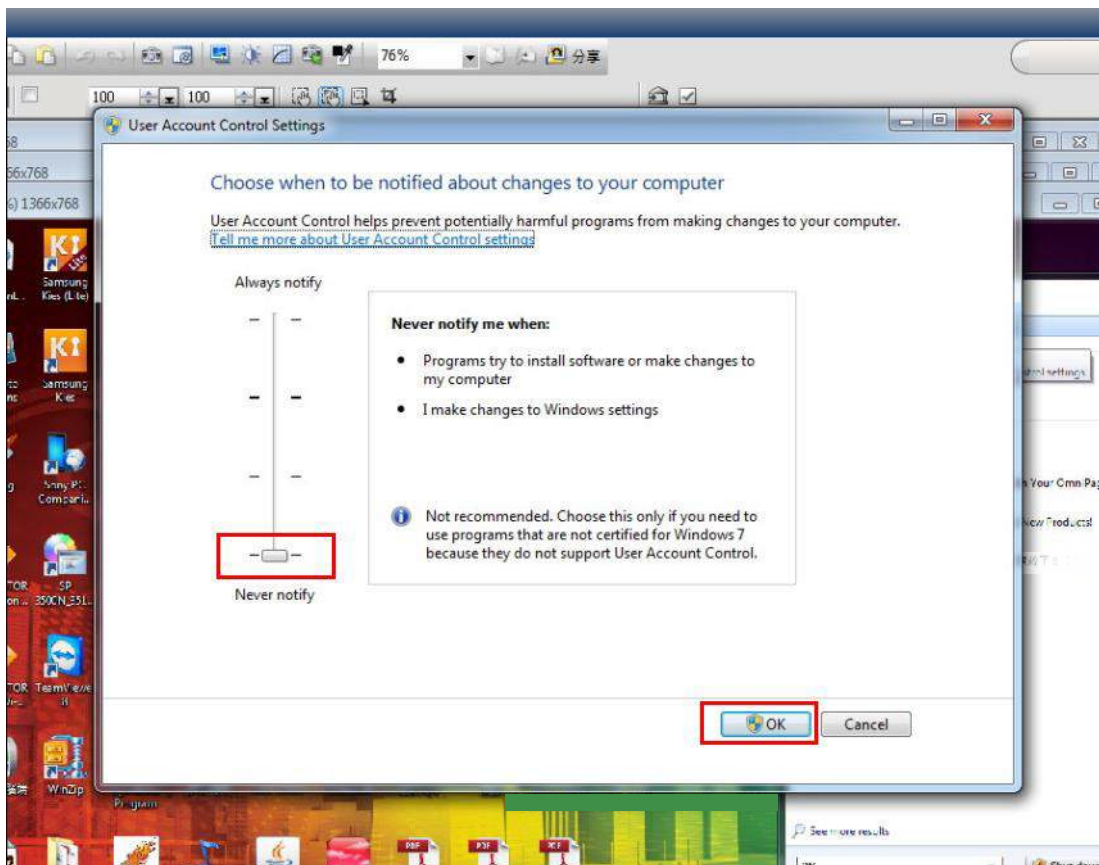
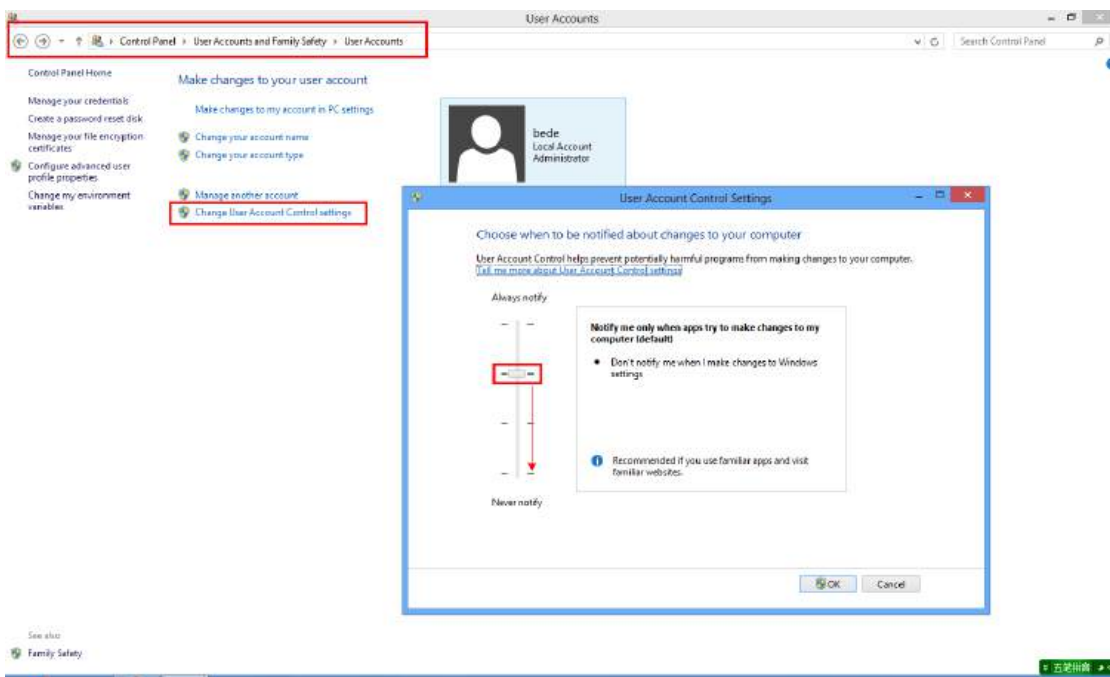


2.1. In Win 7

Press "Start" in the Win 7, you see the screen as below, and then type "UAC"




You see “Change User Account control Settings”, click it

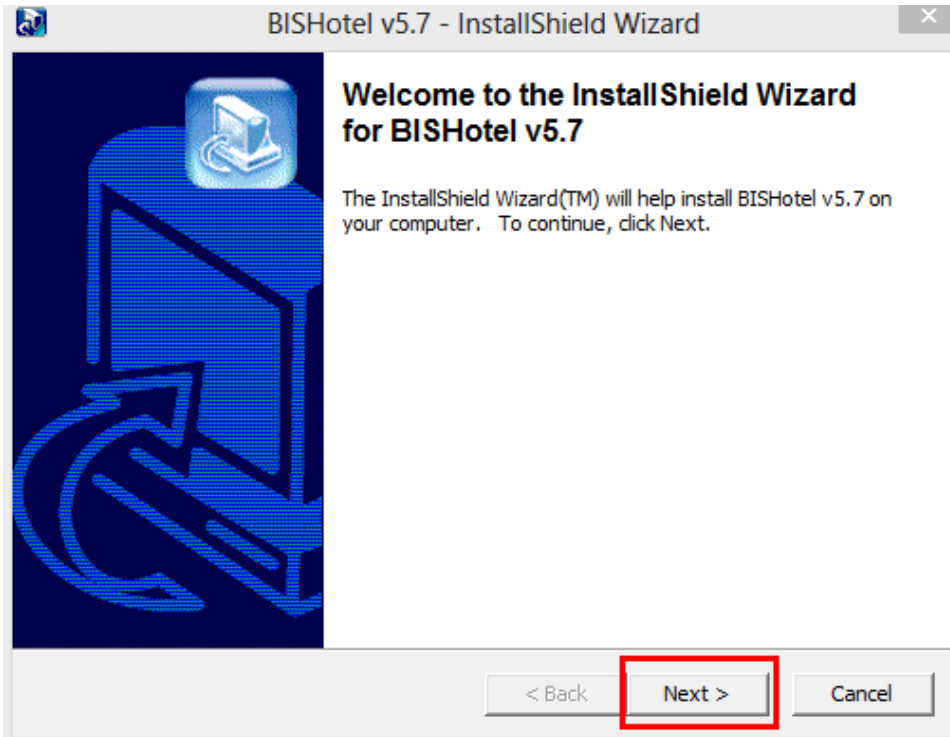


2.2. Win 8

Choose “Never notify”, and press “OK”, **restart your computer.**

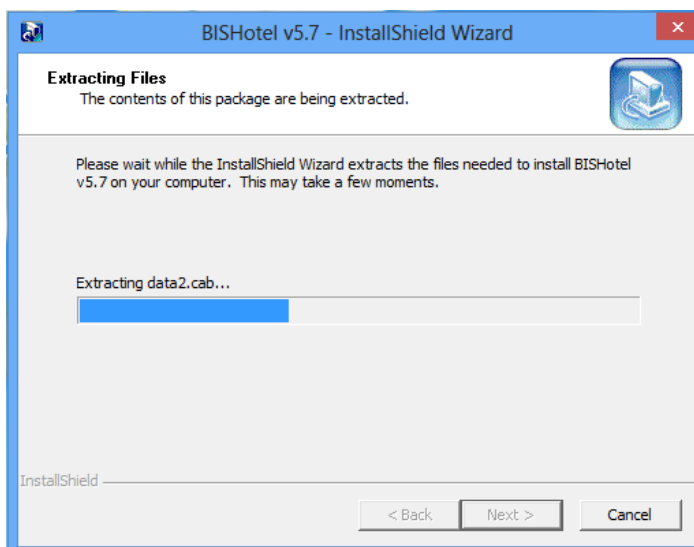
3. Software installations

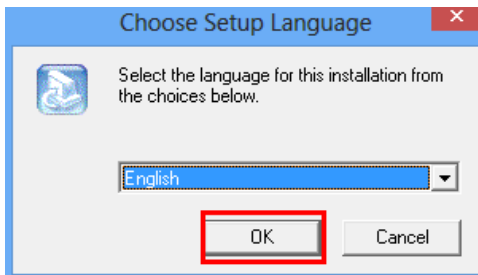
Find out eSSL installation “exe” file and  double click.



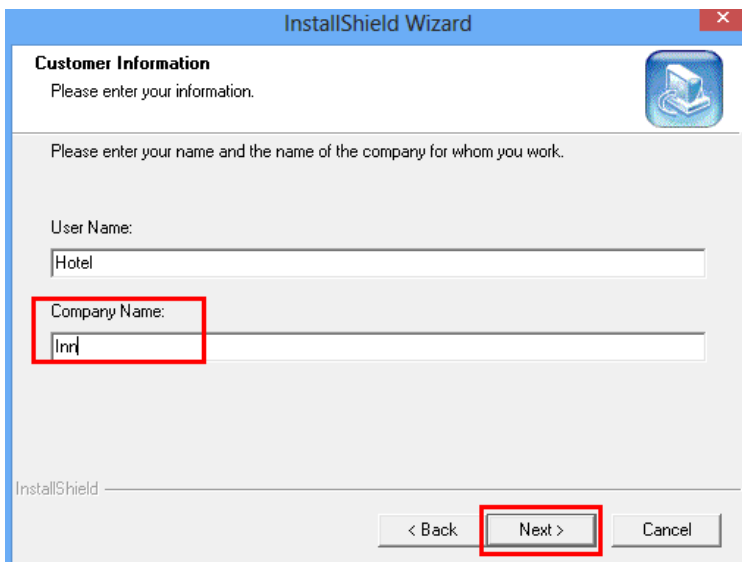
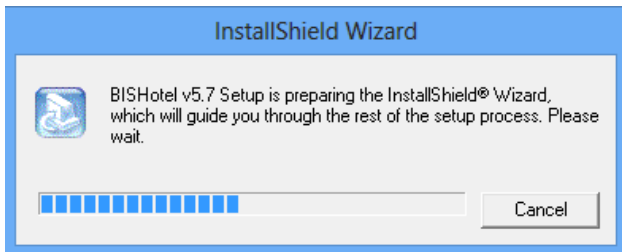
Double click the file and prepare to install

Click **Next**



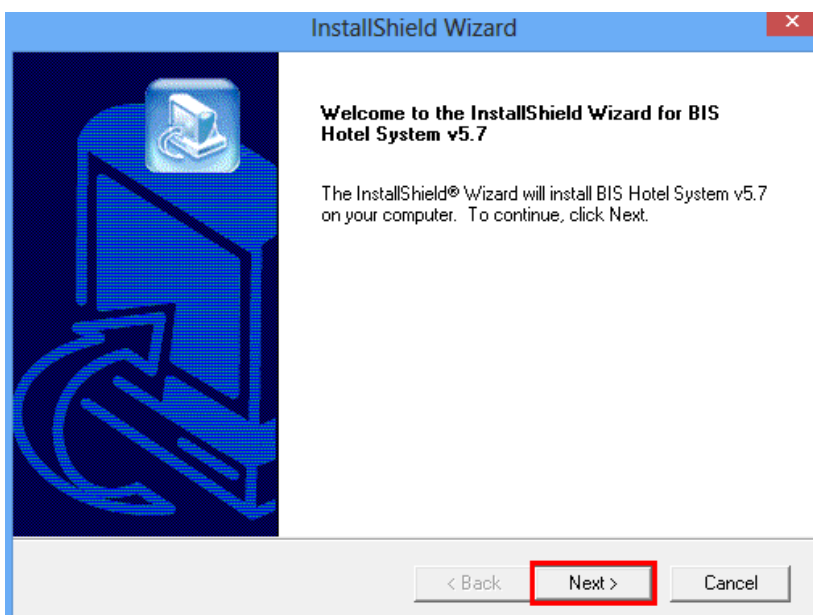


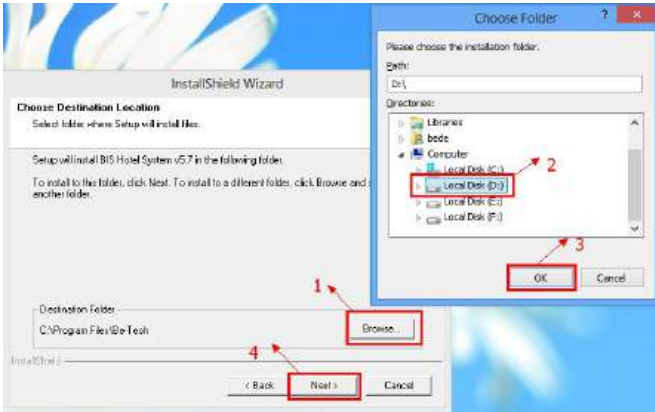
Choose language of the software



Enter the use name and company name.

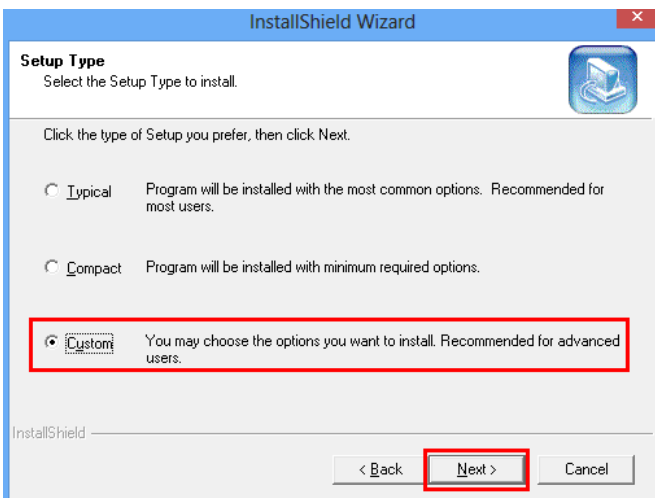
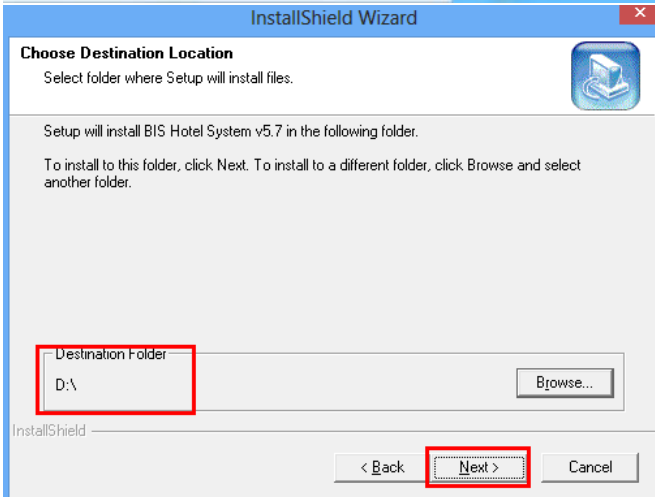
Click "Next"



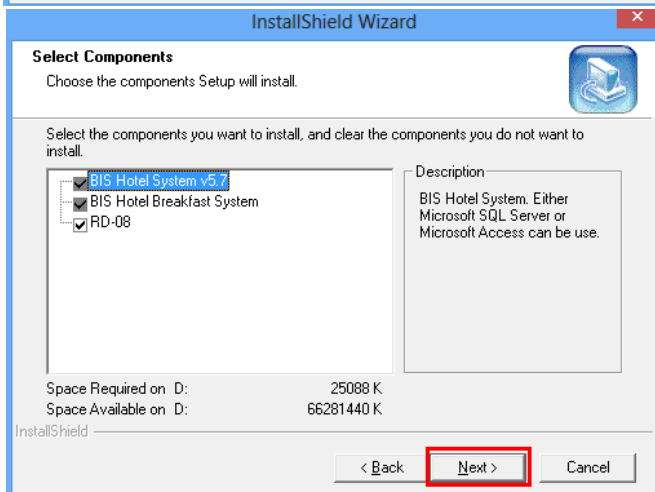


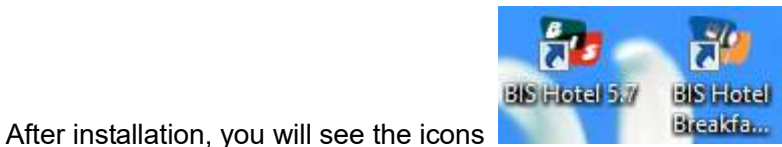
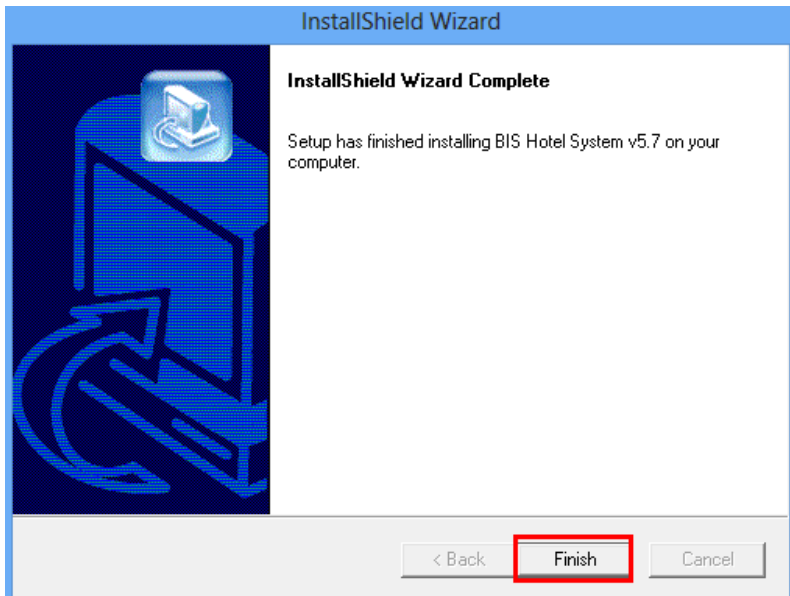
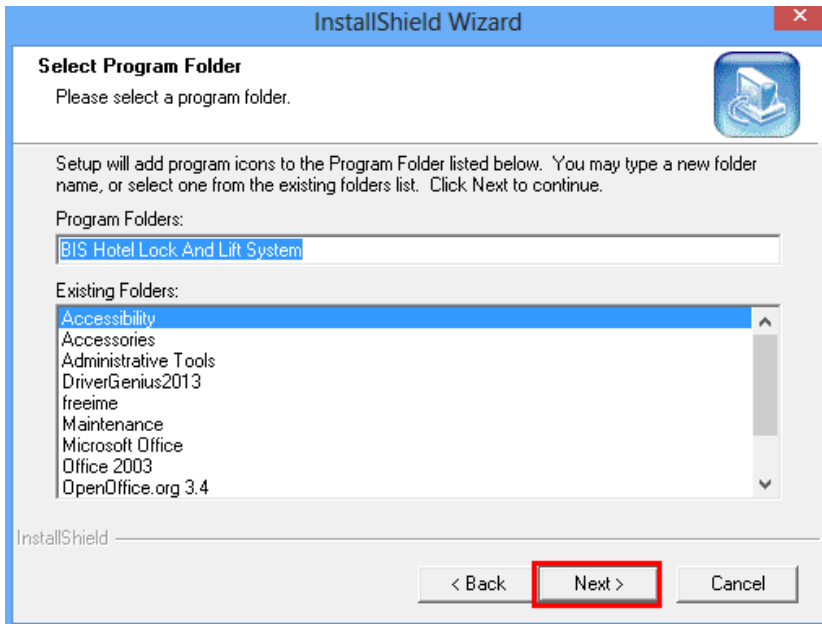
Note:

Please install the software locating in other local disk except C: otherwise that would be some little problem when you run the software. The problem is caused by the security level, not by BIS software.

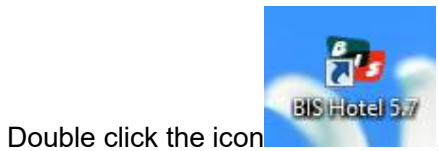


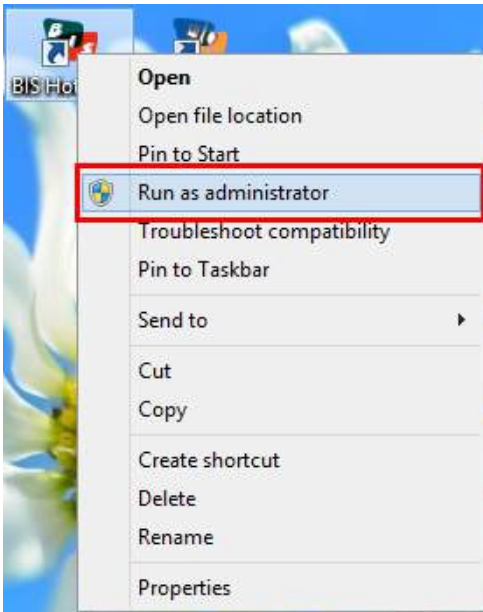
**Choose "Custom"
And
Click "Next"**



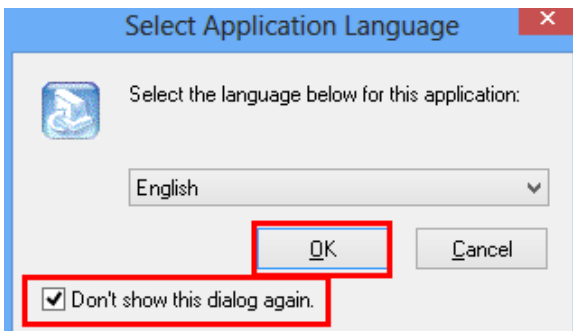


4. Load software



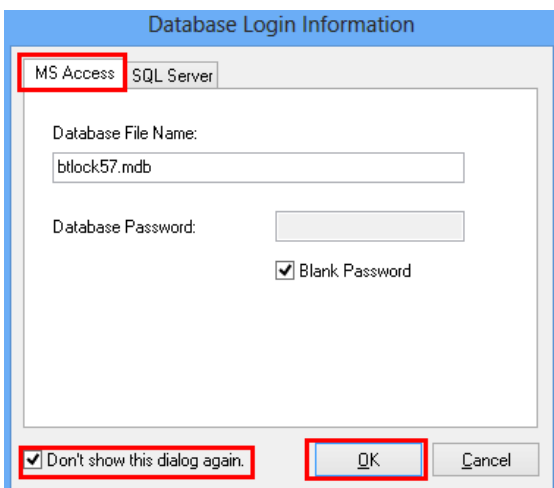


If you can't run the software, please right click "BIS Hotel 5.7" and select "Run as administrator"

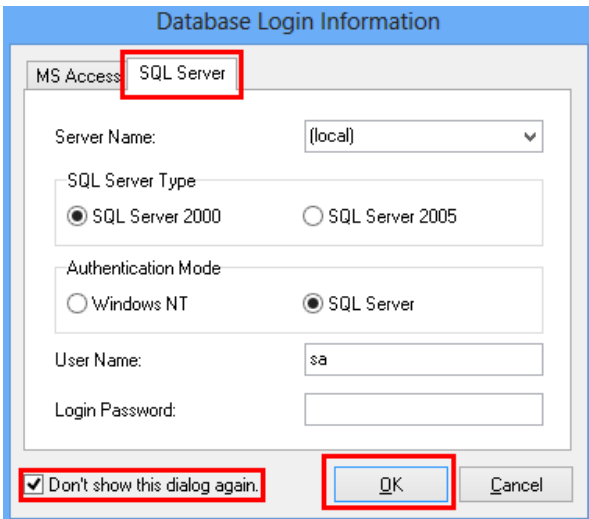


Select the application language.

The dialogue will not pop up if select "Don't show this dialog again"

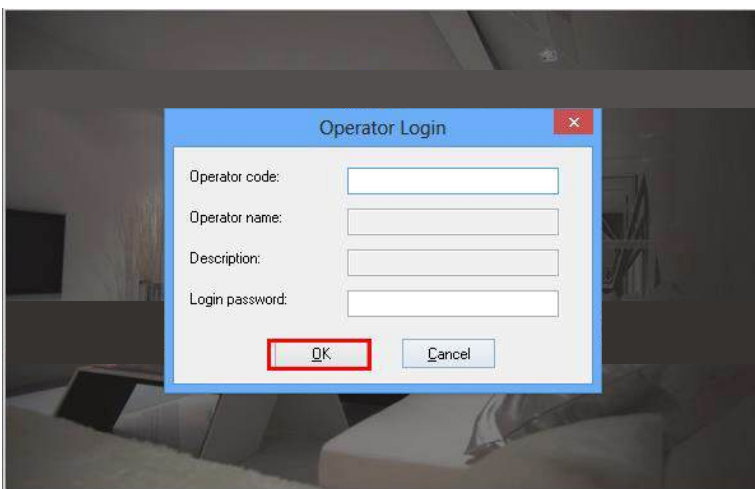


There are two databases available for eSSL locking system, "Microsoft Access" and "SQL Server", **MS ACCESS is for standalone computer to issue card, which is contained after installing the software.**



Before using SQL servers, you have to install SQL database first.

SQL database is for multi-computers to issue cards, regarding to how to run SQL, please contact us for more information.



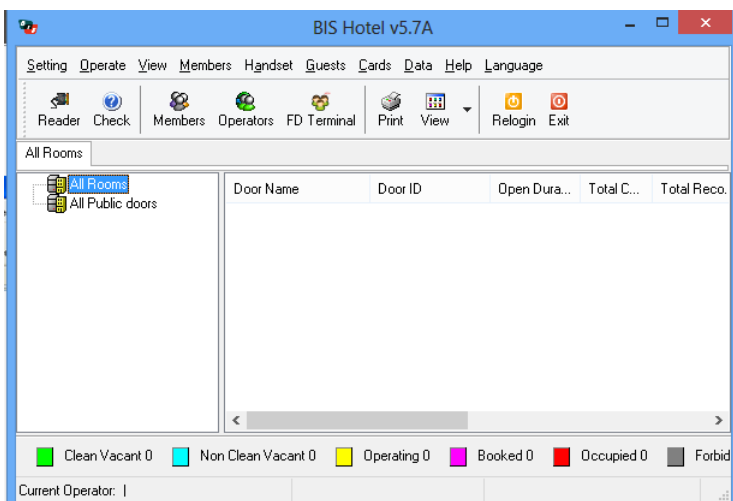
Click "OK", you will see the screen shows as below

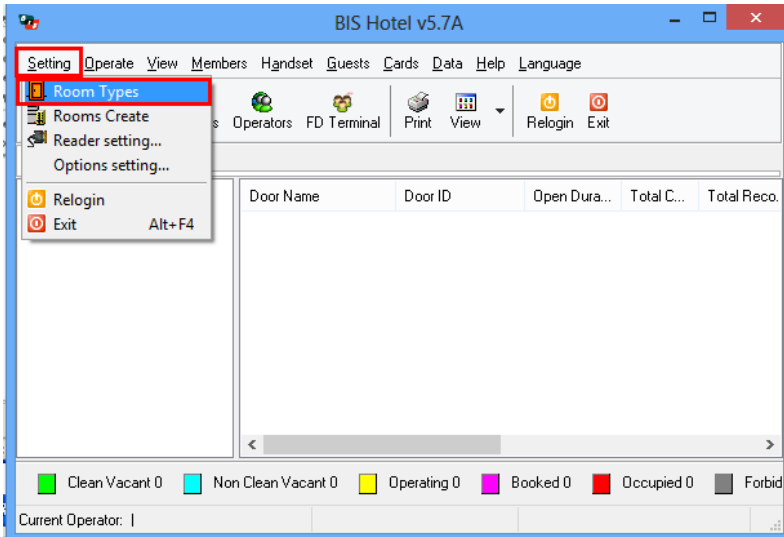
If you did not setup the operator, then you can continue as clicking "OK", you will see as below

5. Before programming a lock

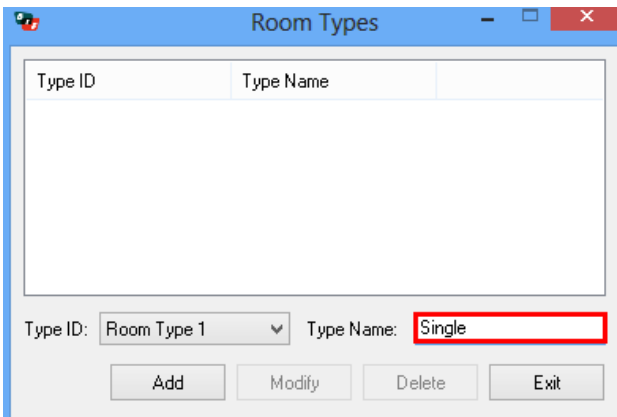
Before programming a lock, make sure all of the information is ready, such as room types, room numbers, time sections, emergency cards, staff cards are completed.

5.1. Room type

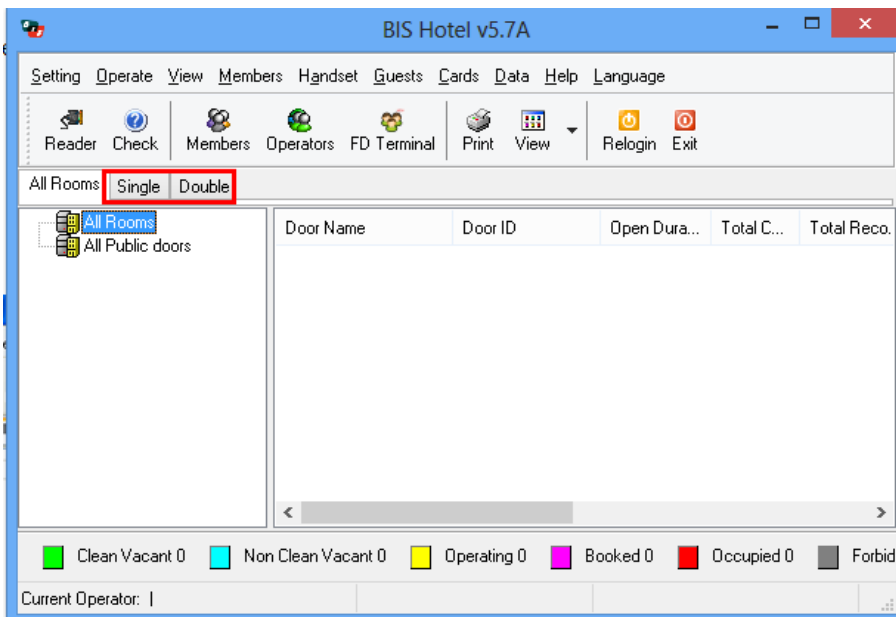




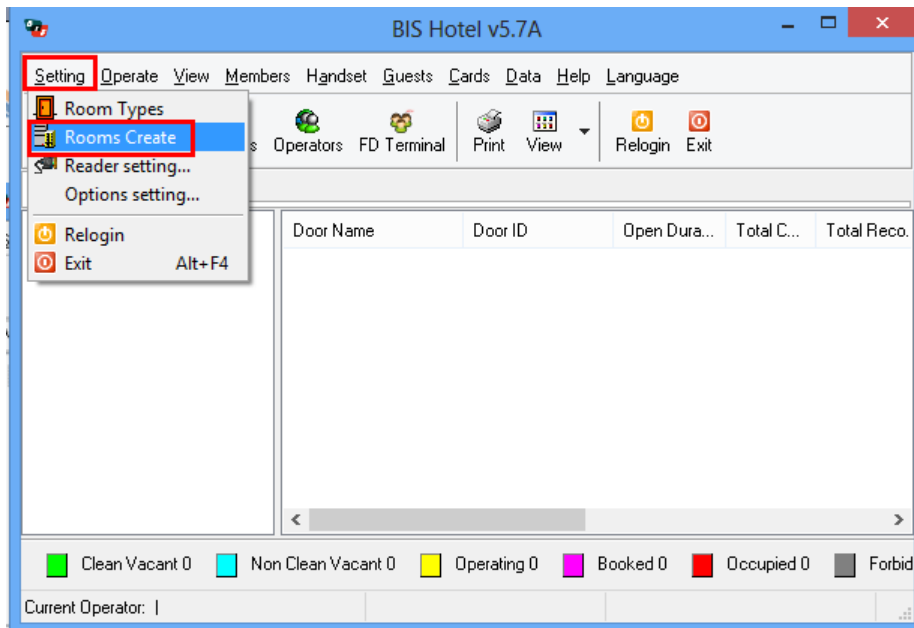
Choose the “Type ID” and enter “Type Name”, and click “Add”



After adding all the “Room Types”, you will see the “Room Types” showing on the software.



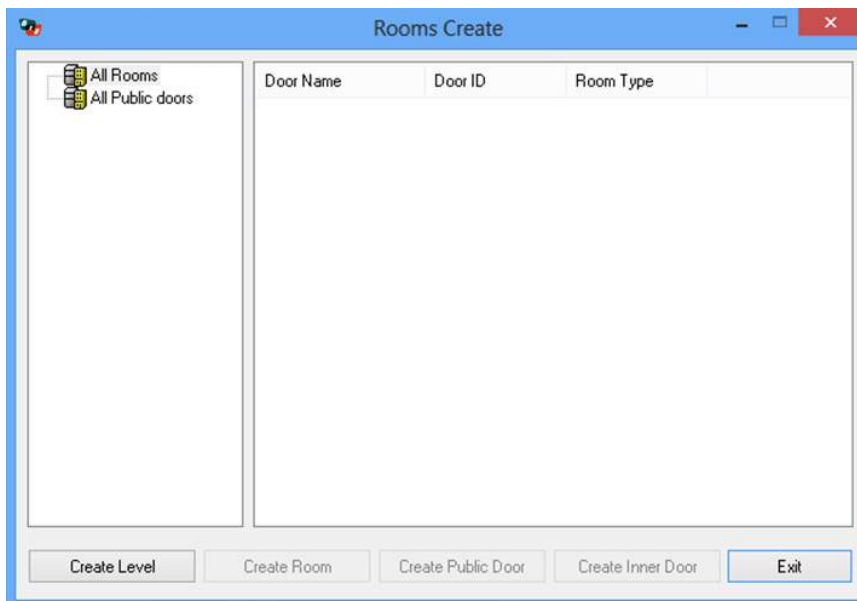
5.2. Create rooms




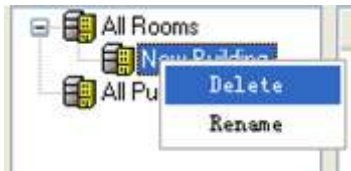
5.2.1. Create guest room

There are two types of room in the “Rooms Create”, one is “All Rooms” which is normally for guest room or some special rooms that allows specified person to getting in; the other is “All Public Doors” which allows all guests and hotel staffs to get in, please find out the “MJM instruction” for further instructions.

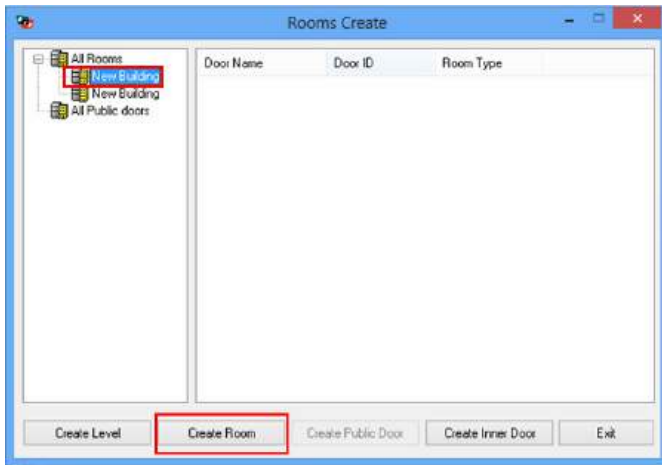
“All rooms” is normally for setting guest room.




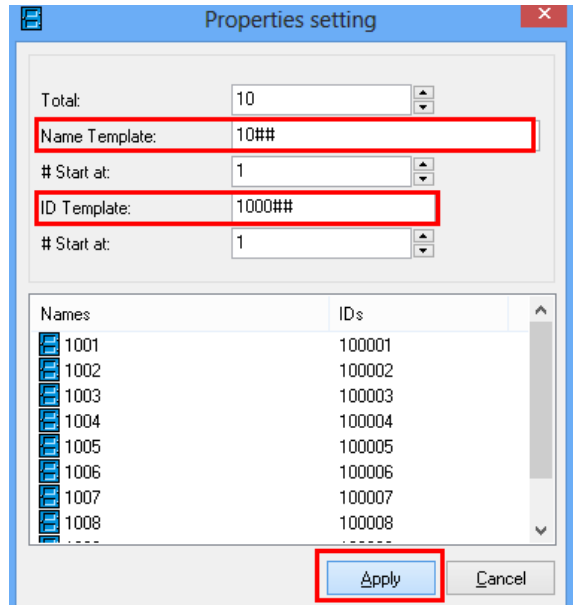
Left click “All Rooms” to change the bottom color as blue , and then click “Create Level”, the “New Building” is created. If you want to create more buildings, return to left click “All Rooms” to change bottom color as blue and click “create level”. Right click “New Buildings” to delete or rename.



, but "All Room" is only can be renamed, can't be deleted.

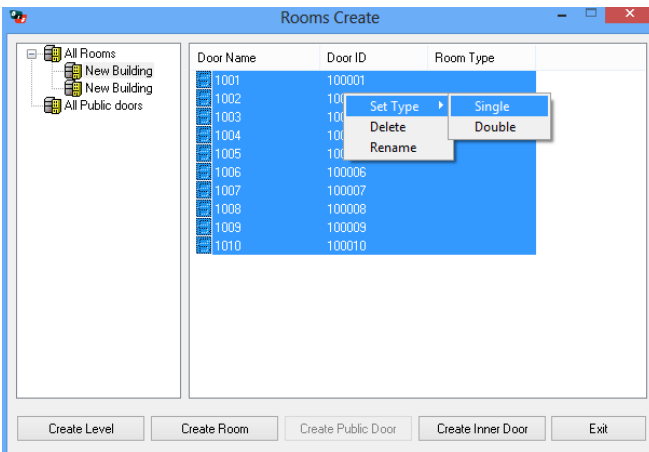


Left Click "New Building" to make the bottom color as blue , and then click "create room"

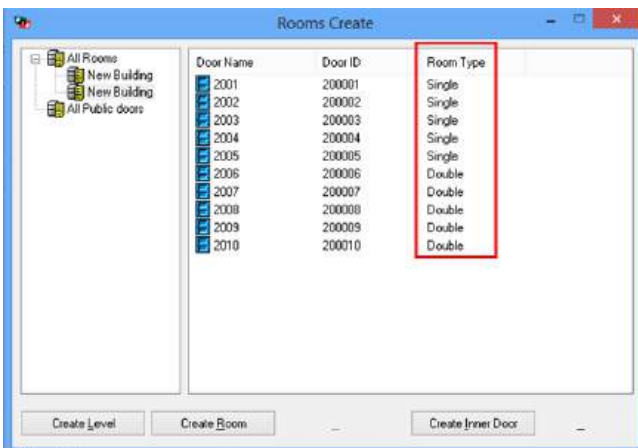


You can change "Name Template" and "ID Template"

Eg: every floor own 10 rooms , then we should set the total number to 10. The door name set to "10##", the door ID set to "1000##", both of their start number is "1". Click the **Apply** button to finish the operation. Follow the above steps to add all the rooms of each floor.

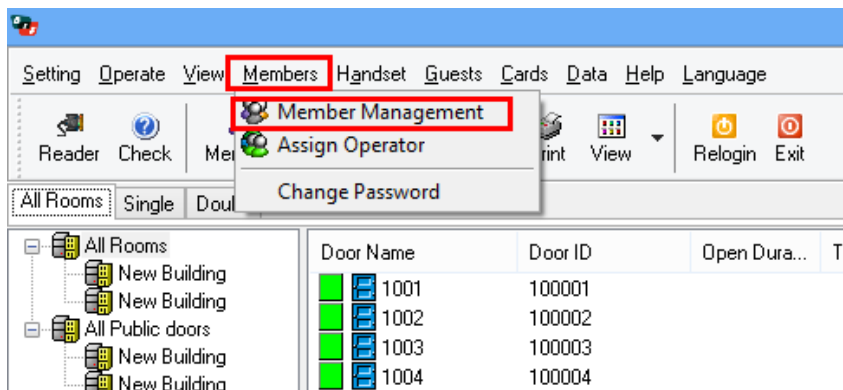
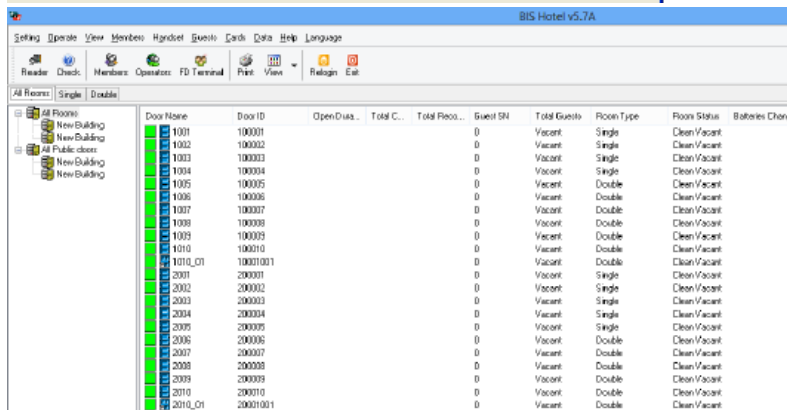
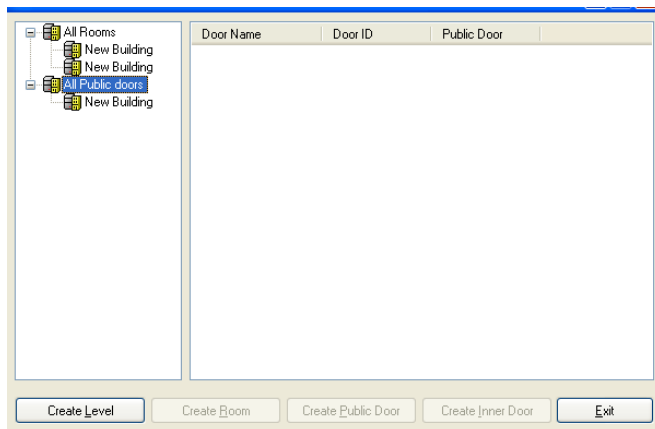
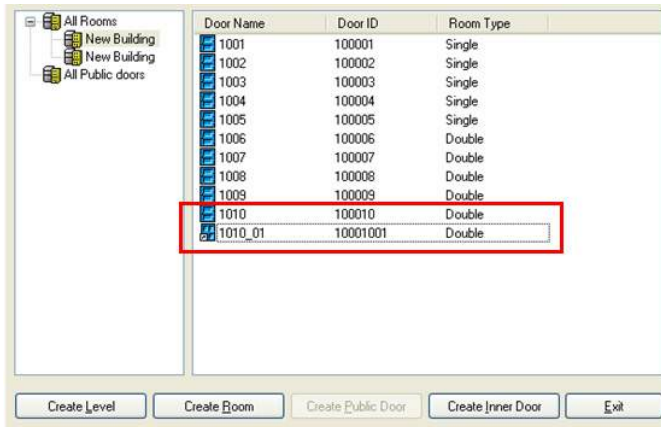


Choose the room and right click, setup the room type. You can select all rooms or one by one.



5.2.2. Create inner door

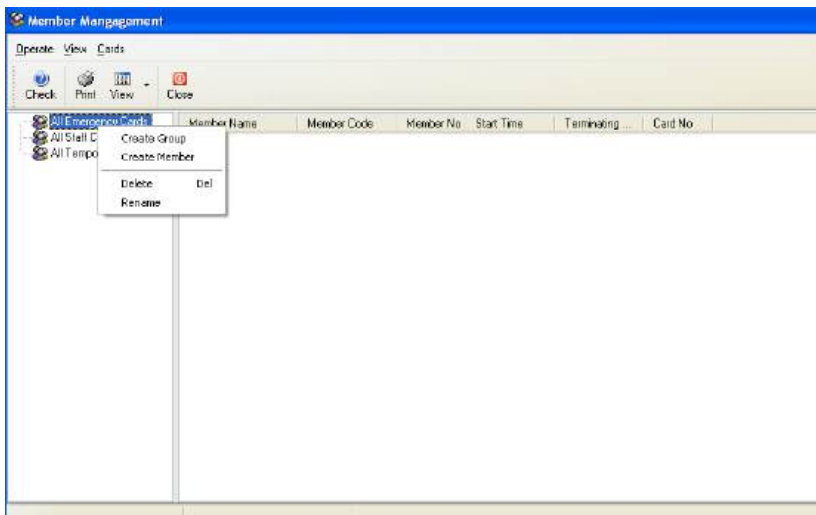
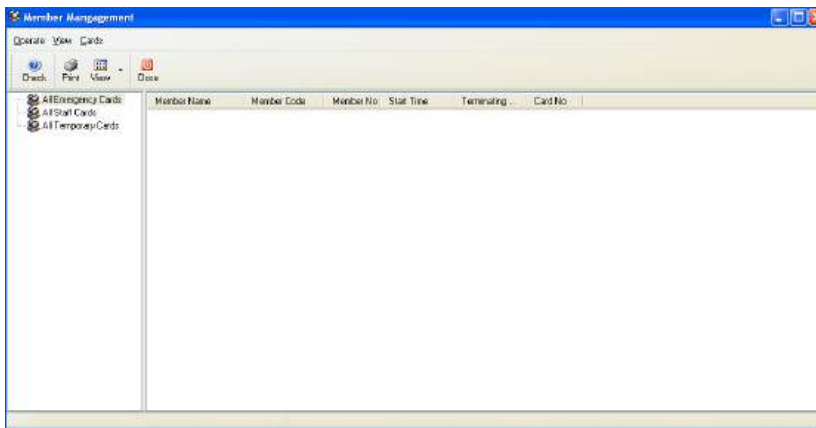
The inner door function is normally for some big room (or suite) which has an inner room. Choose the room which has the inner room and click to make the bottom color as blue, and then click “create inner room”



5.3. Create Members

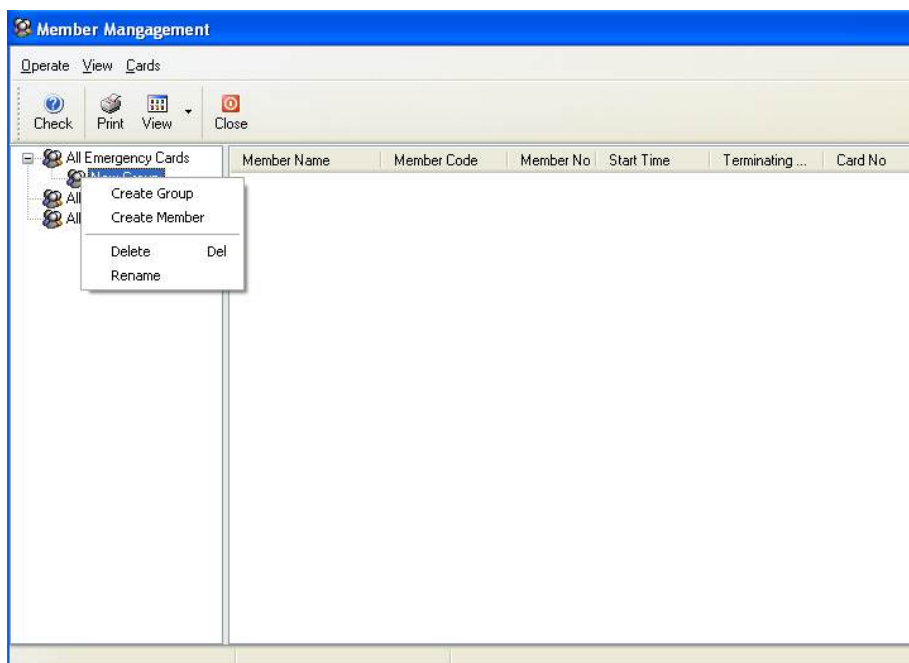
Click “Members”, choose “Member Management”

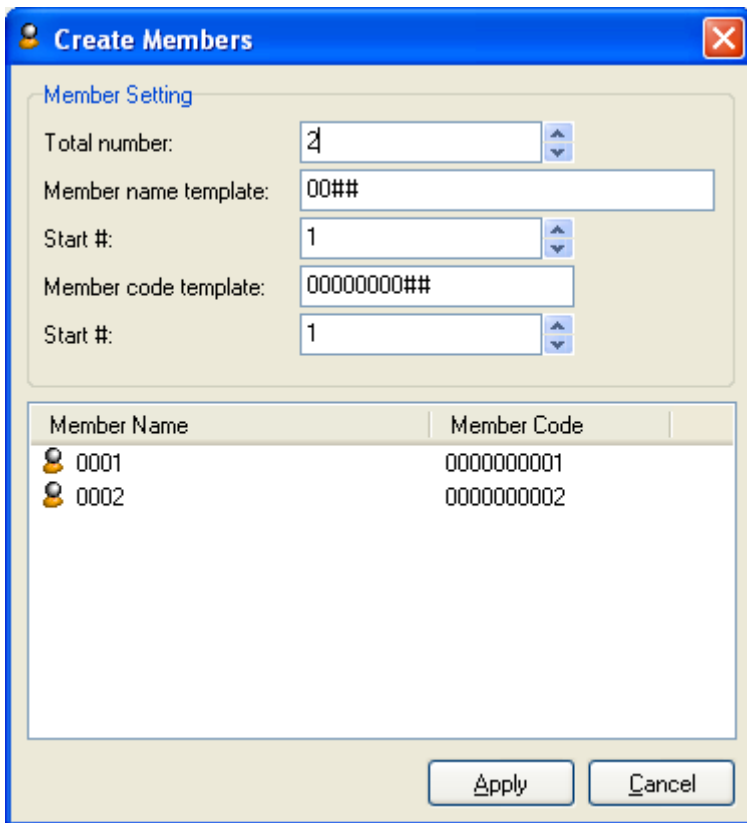
There are three items in “member Management”: All Emergency cards, all staff cards, and all temporary card



5.3.1. Create Emergency cards (Master key)

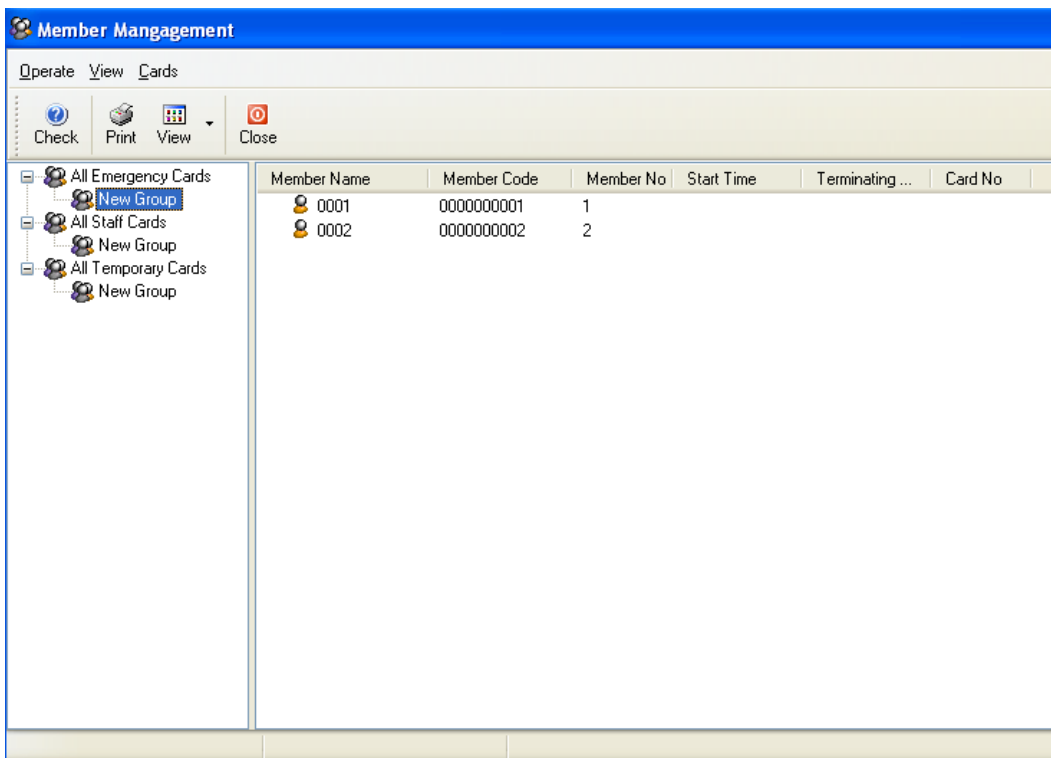
Right Click “All Emergency Cards”, you will see the options, and then click “Create Group”, “new group” is created. The cards in this group can open locks freely, without any limitations.





Create the members of “All Emergency Cards”

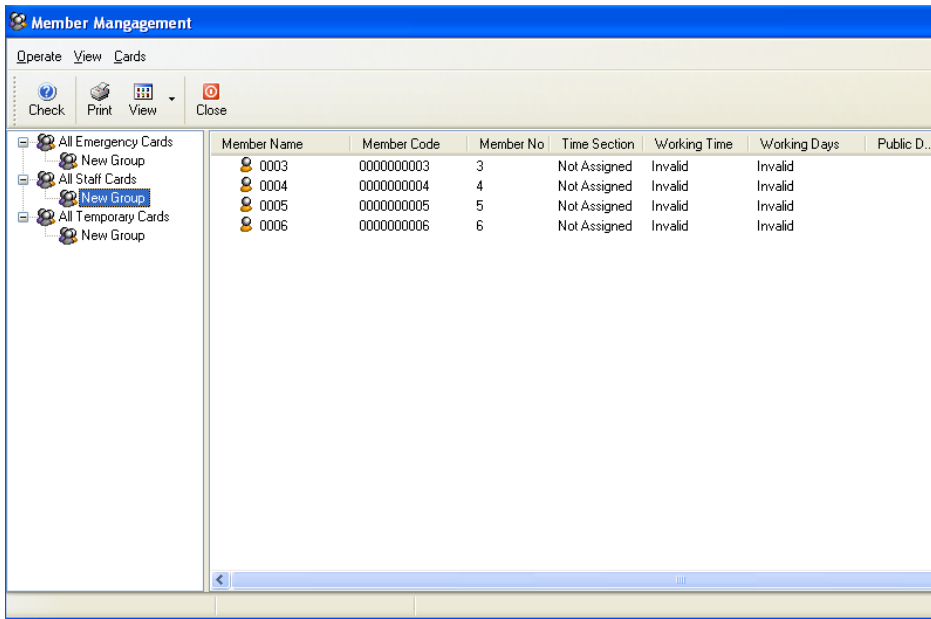
A window will turn up, it requires you to fill in the member information. After all the information has been registered, click the **Apply** button to finish the procedure and click the **Cancel** button to return to the system. Follow the above steps to add all the members into the system.



Notice:

Every Member code template is unique and it is a sign of member. So before the adding, please assign the code template to every member by a plan.

5.3.2. Staff card



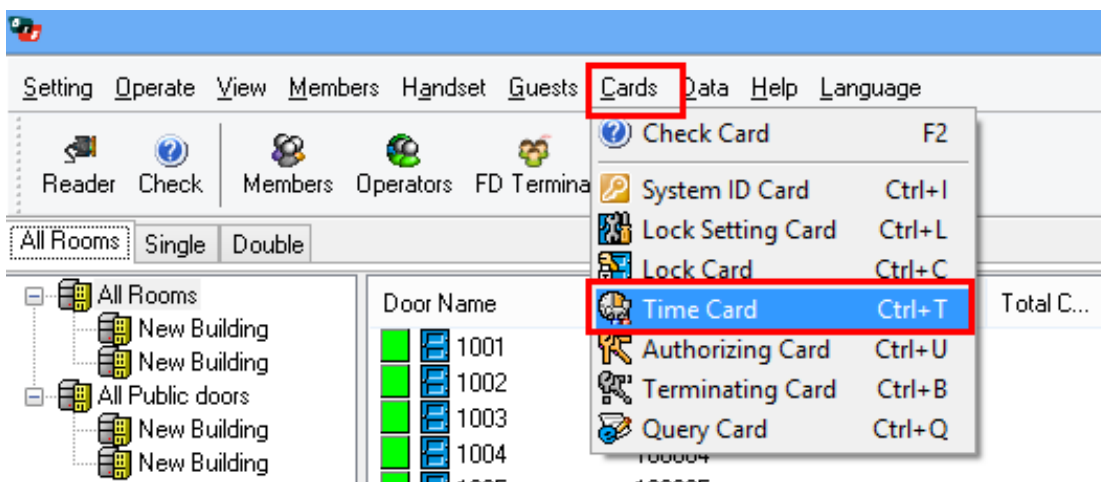
Staff cards are normally for the employees in the hotel, like housekeeping, it is controlled by time and Door numbers.

Only 50 groups of staff card number can be recognized by door lock.

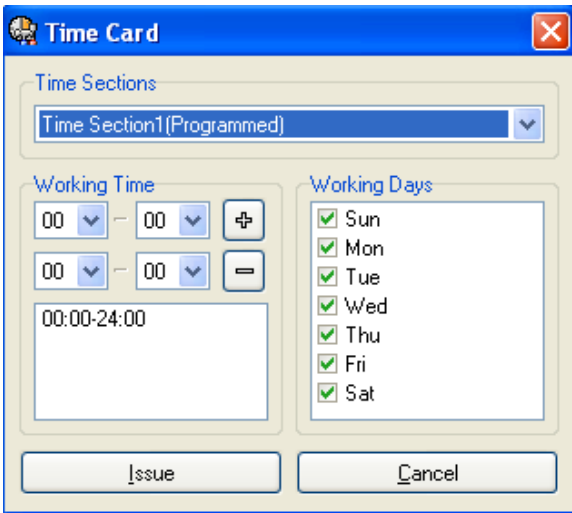
5.4. Time card

Time section is use to analyze the work time. Only the corresponding work time could be accepted to open the lock. At this case, we divide the Sunshine hotel work time into six sections like this:

Morning shift	Middle shift	Night shift	Morning shift	Middle shift	Night shift
8:00-16:00	16:00-00:00	00:00-8:00	8:00-16:00	16:00-00:00	00:00-8:00
Monday to Friday	Monday to Friday	Monday to Friday	Sat Sun	Sat Sun	Sat Sun

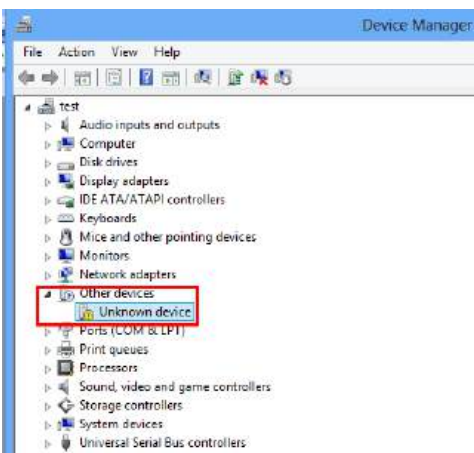
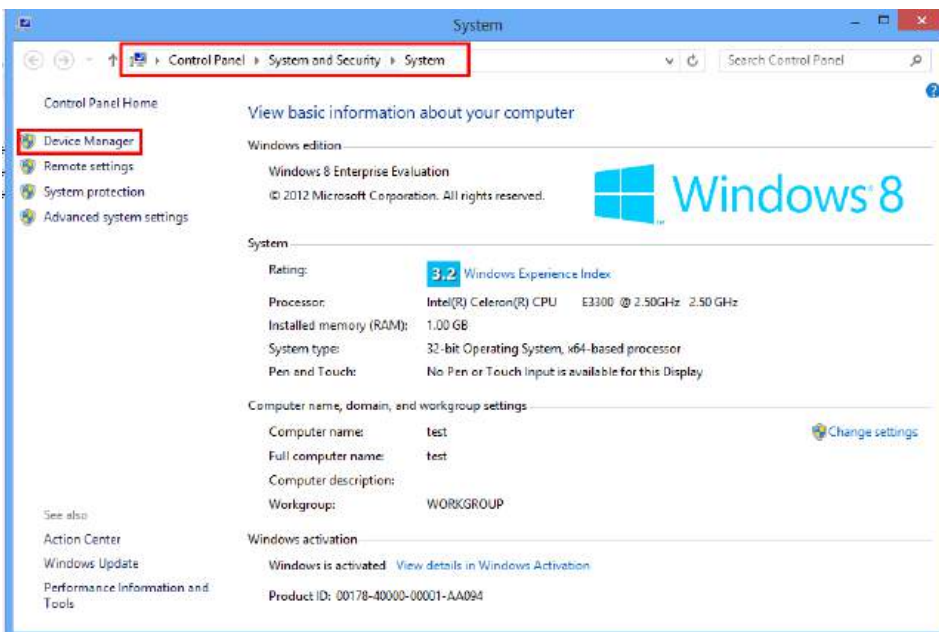


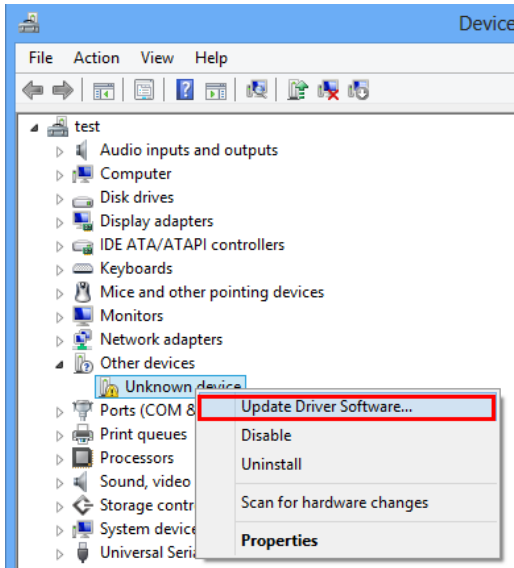
Time card menu pop up, Time Section1 is defaulted as 24 hours. Press the **Issue** button to make a time card for lock's time setting. You can set other Time Sections and choose working time 16:00-24:00, click + ,the day select the Monday to Friday, make all the left time sections like the above procedures



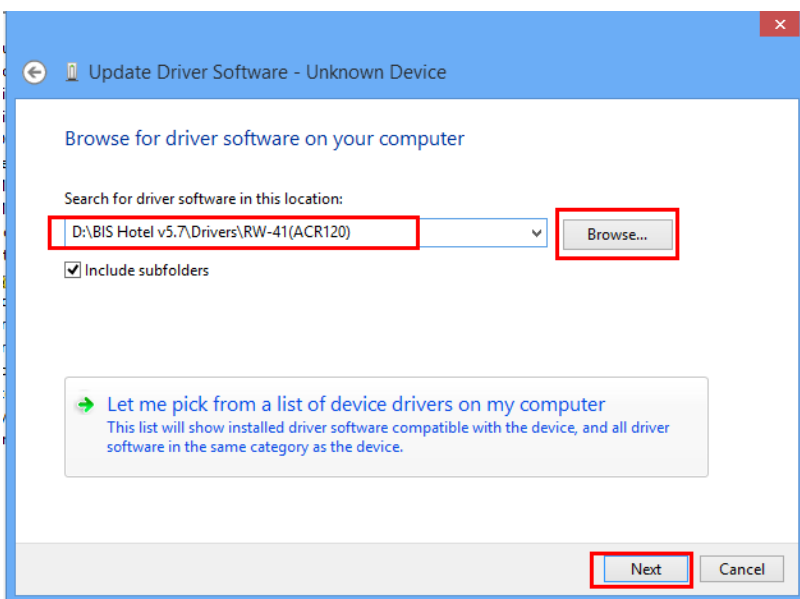
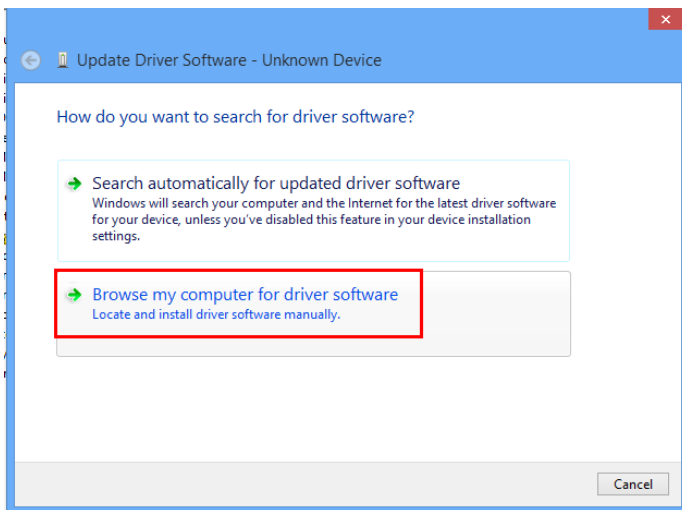
5.5. Encoder driver installation

Insert the encoder, there will be a window popping up “found new hardware”, you need to install the driver, if there is nothing popping up, you need to find out device manager to fix the driver installations.

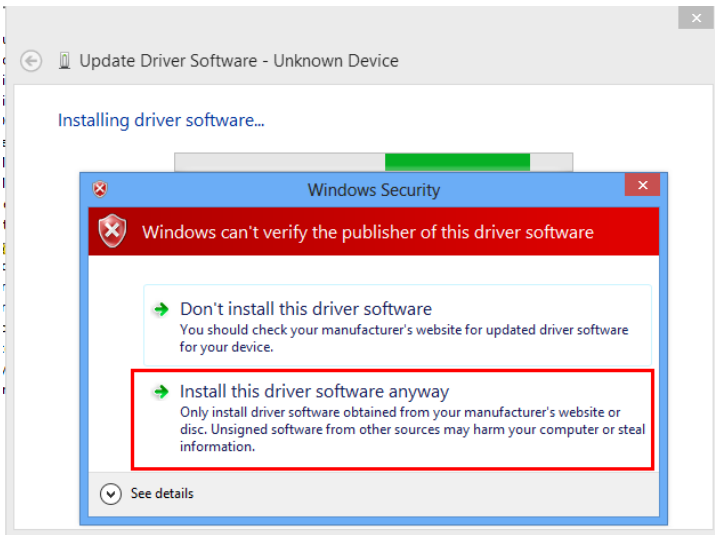




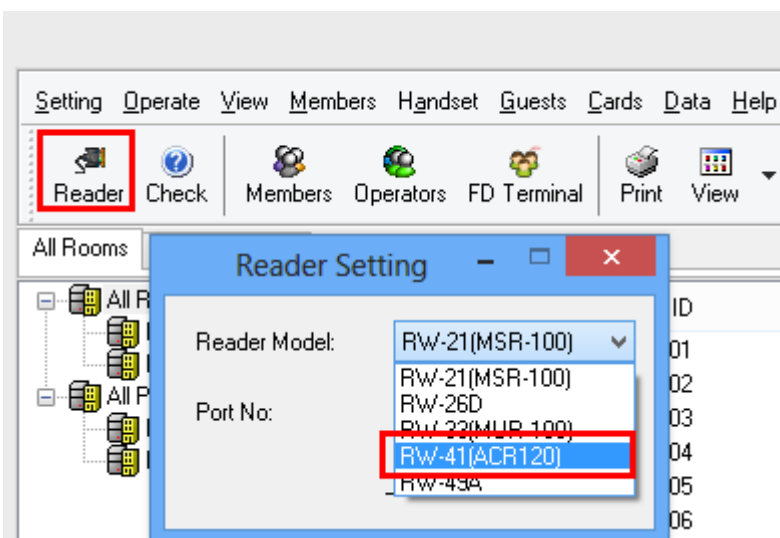
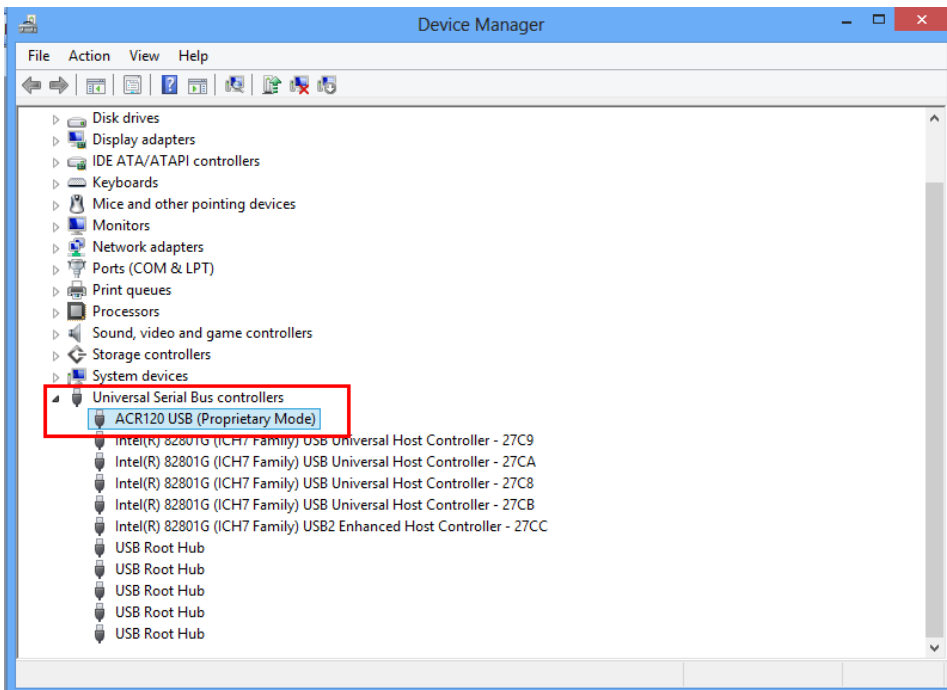
Right click



Follow the guidance to find out the **RW-41** folder.



After a while, driver installs complete, you will see the encoder details in the Device Manager



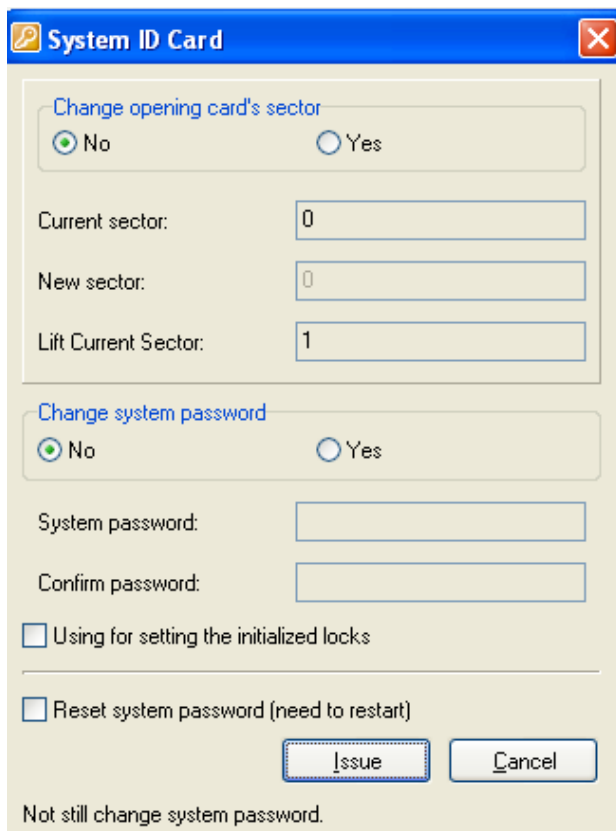
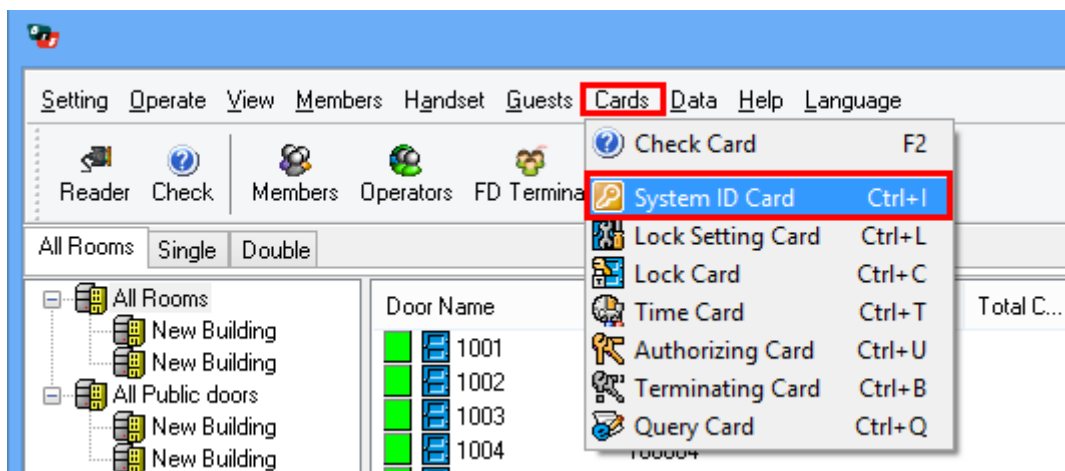
5.6. Encoder selection

6. Main steps to program a lock (With Cards)

Making a lock accept key cards, there are four key points are required.

1. System ID card
2. Lock setting card
3. Time card
4. Authorizing card

6.1. System ID card (S50)



- **Sector**

What we use for our locking system are 0.1.2 sectors, normally defaulted sector is "0" which is for locking system, "1" is for lift control system, and "2" is spare sector.

- **Using for setting the initialized locks**

It needs to be selected as the lock is reset or the lock is newly installed.

- **Reset system password (need to restart)**

The system returns to password.

System ID Card

Change opening card's sector
 No Yes

Current sector: 0
 New sector: 0
 Lift Current Sector: 1

Change system password
 No Yes

System password: xxxxxx
 Confirm password: xxxxxx

Using for setting the initialized locks

Reset system password (need to restart)

Issue Cancel

Not still change system password.

Enter 6 digits system password (numbers only), and click using for setting the initialized locks, and then click "issue".

Note:

1. If you just test something of the lock, please do not change the system ID, otherwise the cards cannot be used anymore in new software.
2. Issuing a system ID card with changing password is normally for the hotel that has been completed already.
3. The previous cards without changing system ID cannot be used to open the doors in the same hotel after new system ID is set.

Card Information

Card Information

Card Type: System ID Card
 Card No: Not Issued
 Issuer ID: Unknown Issuer ID
 Issued Time: 2011-03-25 14:31:18

OK Cancel

Click "OK"

Information

System ID Card issued, please take out the smart card.

OK

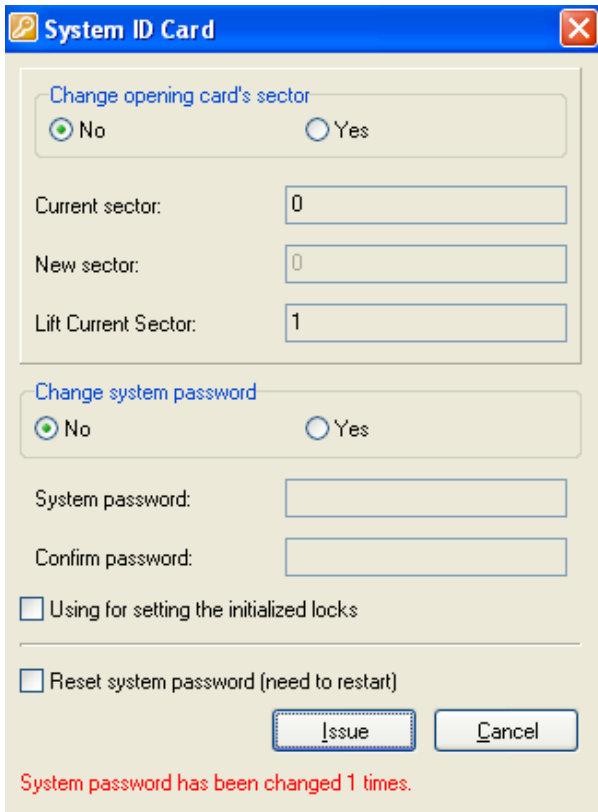
Click "OK"

Information

The handset must update system password, because the system password changed.

OK

Click 'OK"



If you already changed the password, you will see red words saying “system password has been changed 1 times”, it means you have already changed the password for 1 time

Note: After the SID been changed 1 time. Do not change SID anymore!

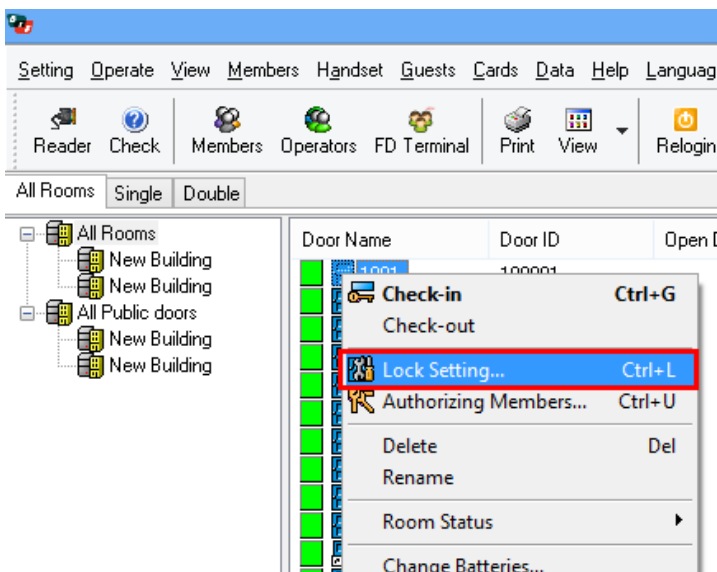
Explanation of System password: Software, key card, lock, and hand held, their original system password has been set; we call it “essl password/default password”. (However, clients no need to know what the original password is).

Why we need to change the system password?

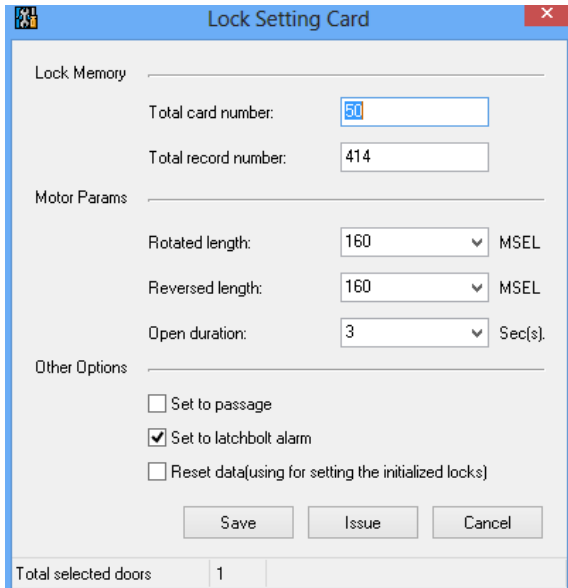
Due to there are so many clients all over the world, all locks are with “ essl password”, they are not safe that we can open all doors as if we keep a general card, we have to issue a new system ID card to change the system ID, then new system is no more “essl password”. The system ID is changed, and all relative components must be matched with system ID so that the whole system is working.

6.2. Lock setting card (S50)

Lock setting card is used for setup lock’s information, such as lock number, lock memory, motor parameter.



Select one room, right click and find out “lock setting”



● **Lock memory**

It is used for setting up staff card and access records' amount. Total card number is for staff card amount, the defaulted value is 50.

● **Motor parameter**

It is for setup mortise parameters, no need to change them.

● **Set to passage**

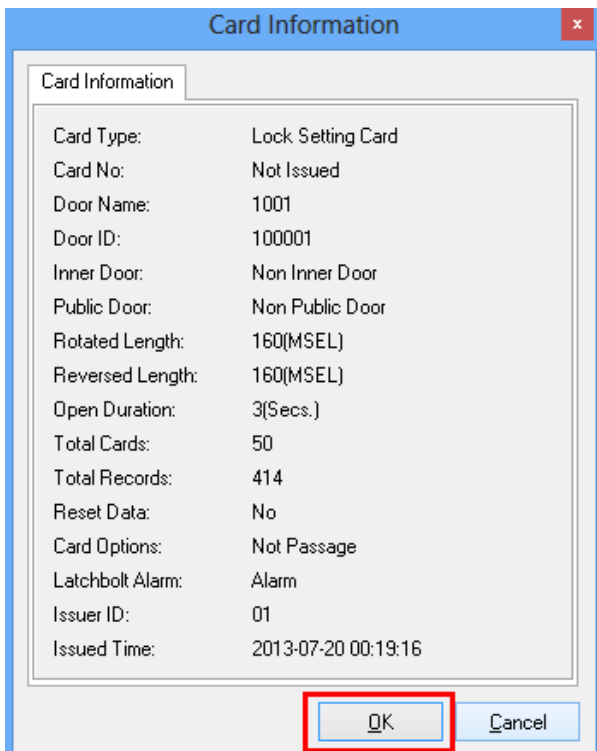
Passage means the lock won't lock automatically after unlocking.

● **Set to latch bolt alarm**

Latch bolt alarm is for avoiding door does not close well. If latch is hanged, lock will sound "Be, Be....."

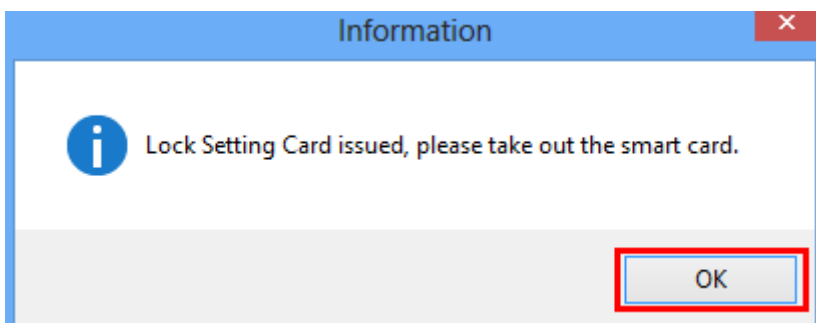
● **Reset data (using for setting initializing locks)**

Reset previous records and data, such as access records, guest SN, staff card amount.....



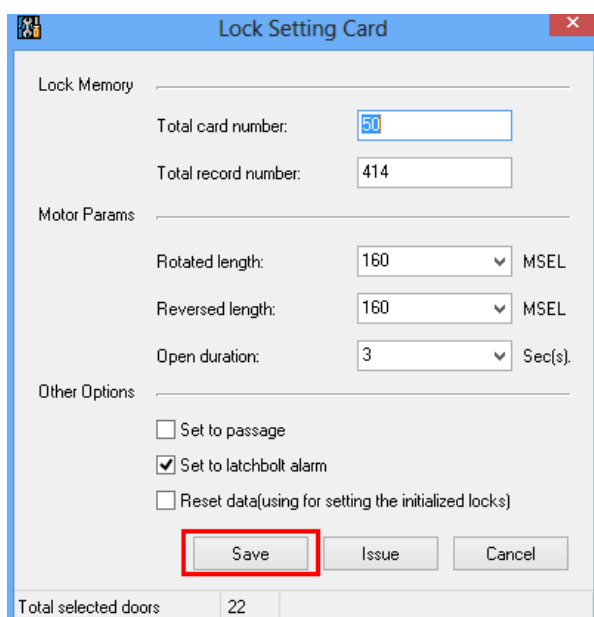
You can see all information before you issue the card

Click "OK" to issue card.



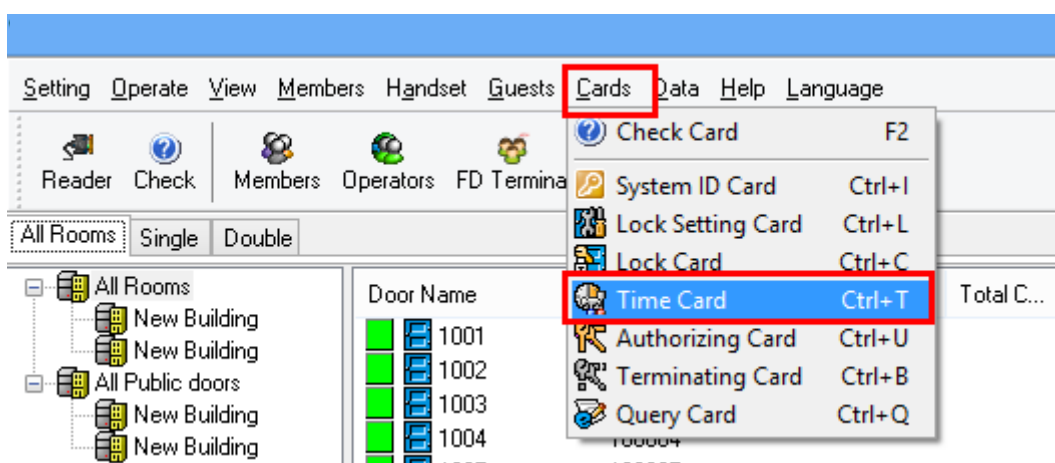
Scan the lock with lock setting card, green light and 1 beep from the lock means lock ID is set to the lock.

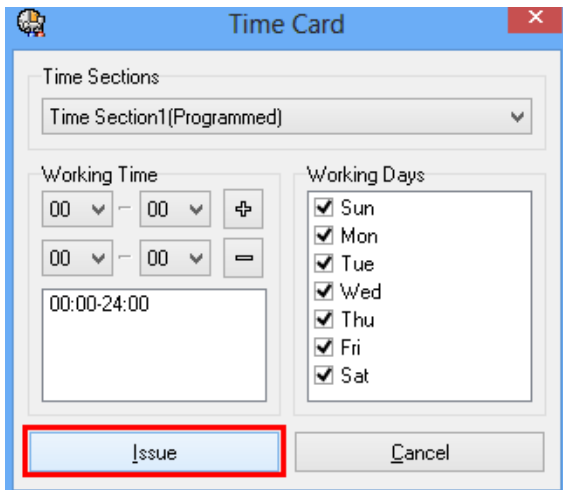
Note: If you have 100 rooms, you have to issue 100 times lock setting card, because every door with different room NO, we have to issue different cards to set up different rooms. However, 100 times is not meaning 100 cards, you can issue the lock setting cards with only 1 card. For example, you already issued the lock setting card for room 000001, and then take the card to scan the door, 1 beep, green light, setting is OK, and at this time the room is 000001. To setup room 000002, we can use a new card or the 000001 lock setting card, after issuing, the door ID would be changed as 000002, at this time the lock setting card is 000002. And then scan the door, 1 beep, green light, setting is OK, and the door ID is 000002. Even though the previous ID is 000001, after scanning the ID 000002 and the door will change into ID 000002



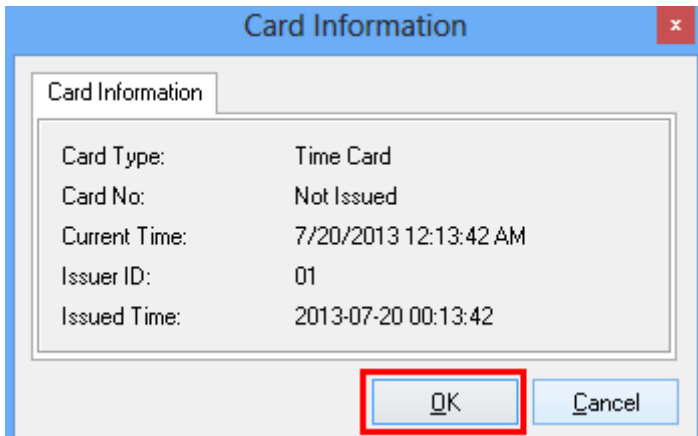
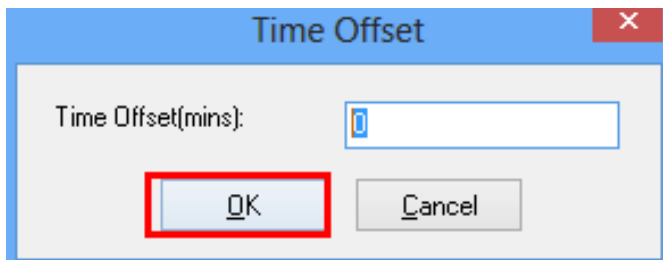
If you use handset, you can select all rooms and click "locking setting card", and then click "Save", you will see all rooms have been set.

6.3. Setup lock's time with Time card (S70)



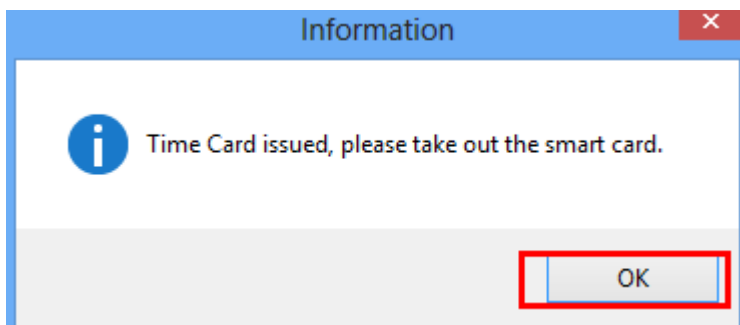


Time offset is the time you would spend to get to the room after issuing Time card.



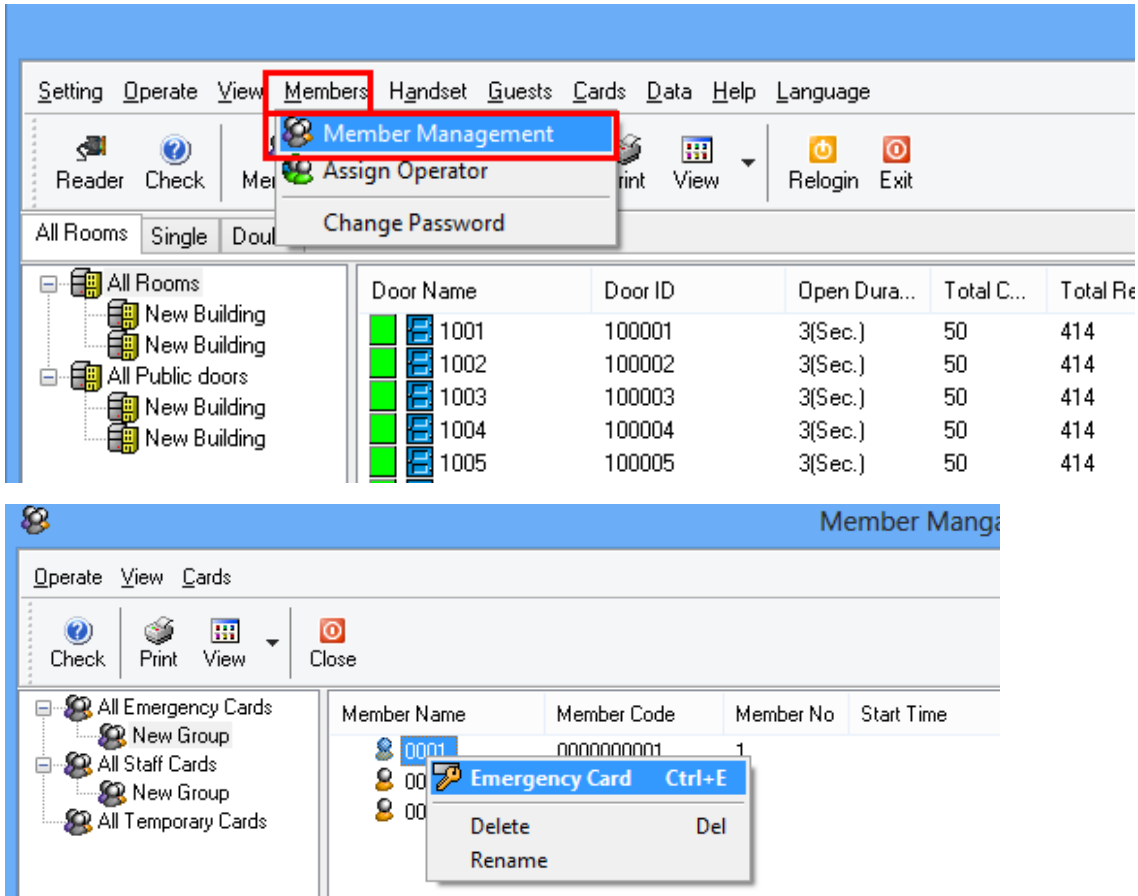
Note: The time in the card will not update. You need to scan all of the locks within 10 minutes, otherwise, you need to re-issue time card.

Green light and 1 beep from the lock mean Time is set to the lock.

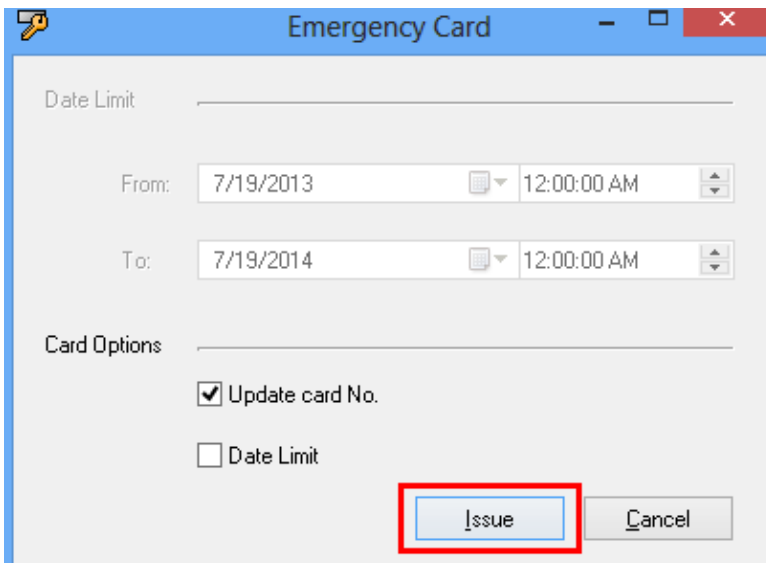


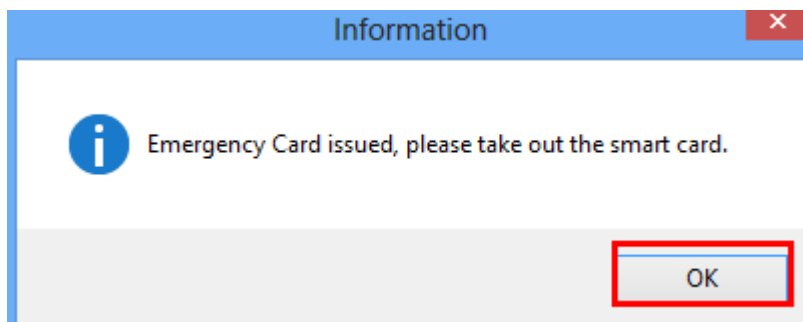
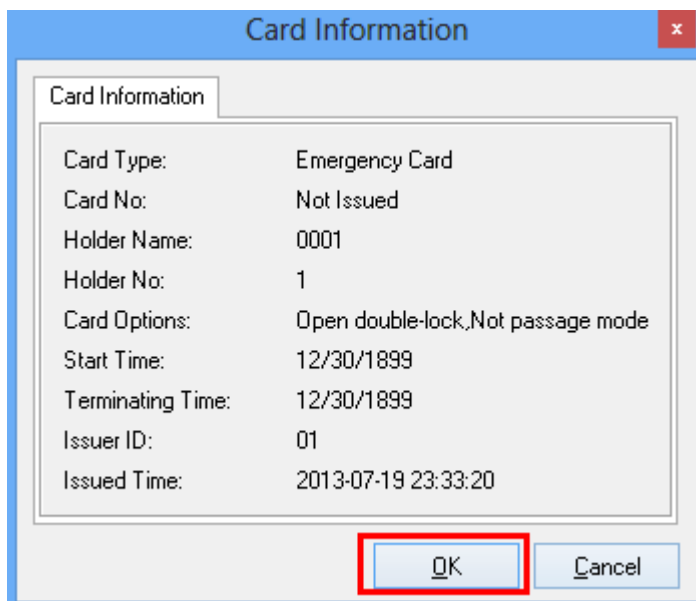
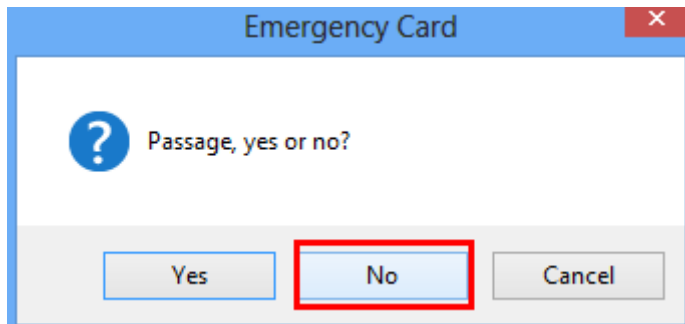
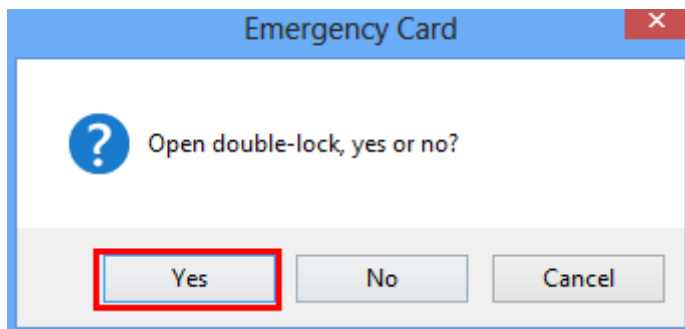
6.4. Emergency cards (S50)

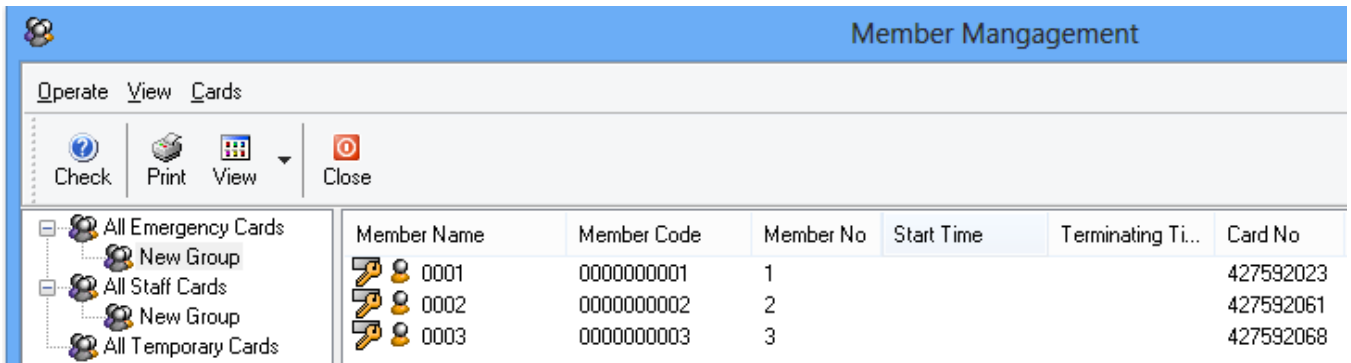
Emergency cards: it can open the door without any limitations.



Update card No.: if the software is newly installed without any data, so the option is chosen as default. After issuing, there will be a card NO.







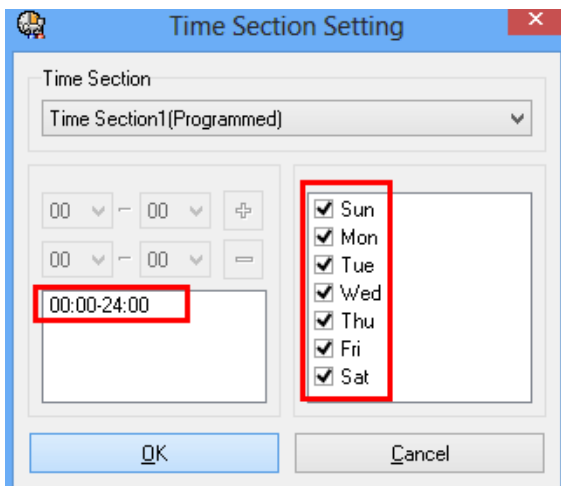
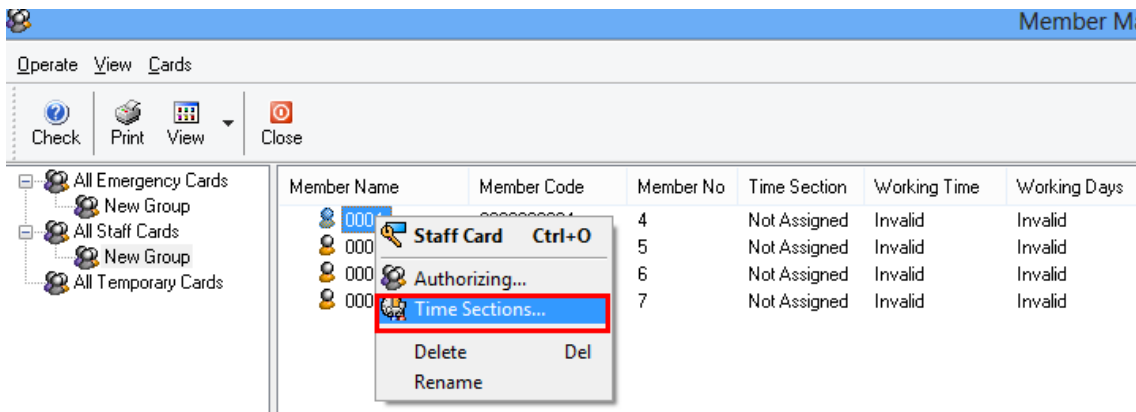
After issuing the cards, these cards are able to open door

6.5. Staff card (S50)

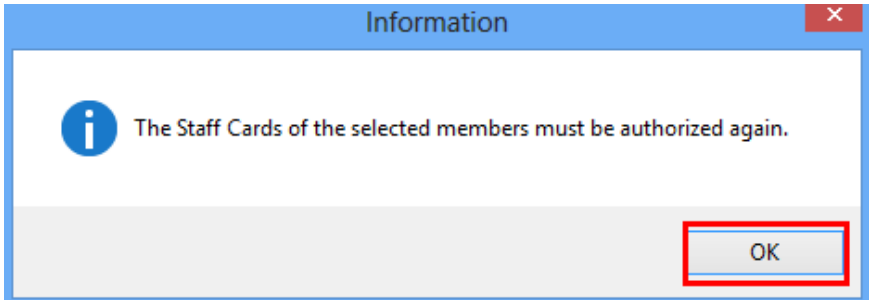
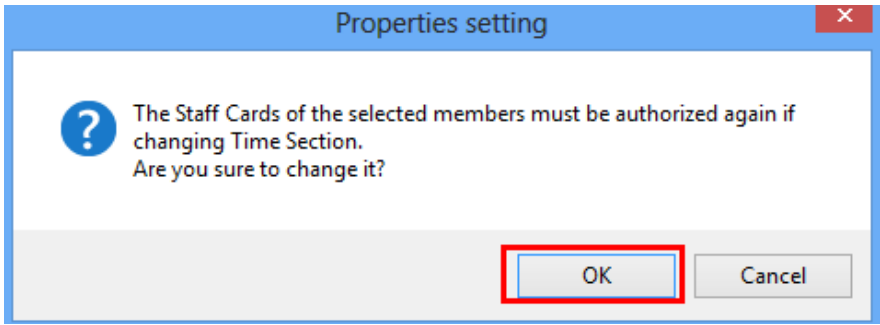
Staff card is normally for housekeeping. To setup staff card successfully, you have to setup the **time section, and authorizing information.**

6.5.1. Setup Time section for staff cards

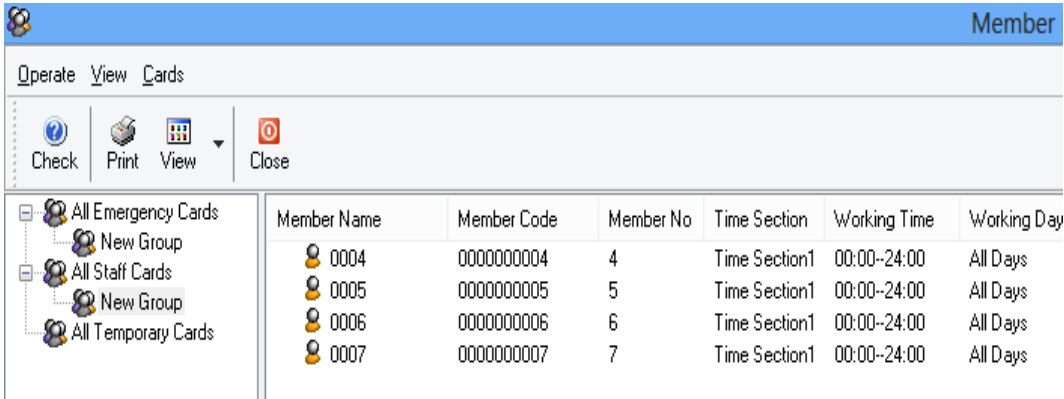
Right "Click"



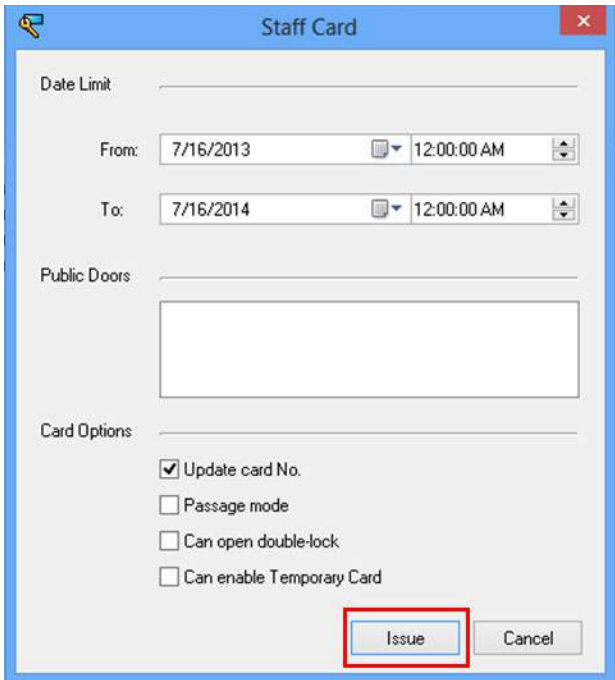
This time section is already set in time card.

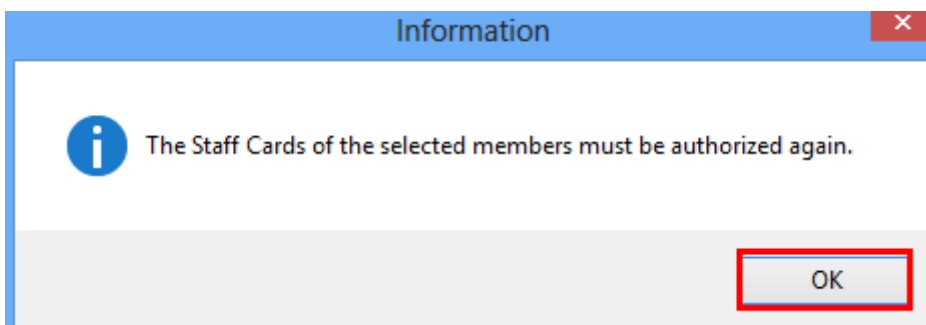
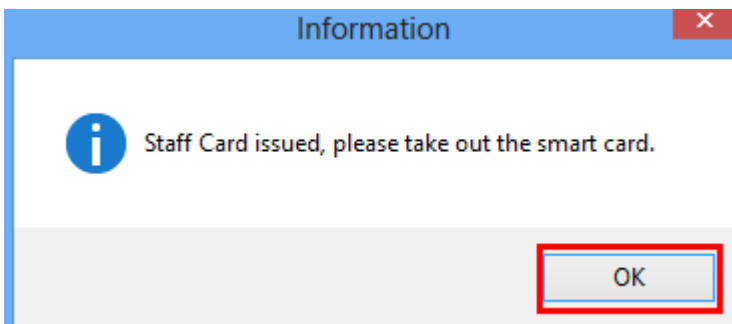
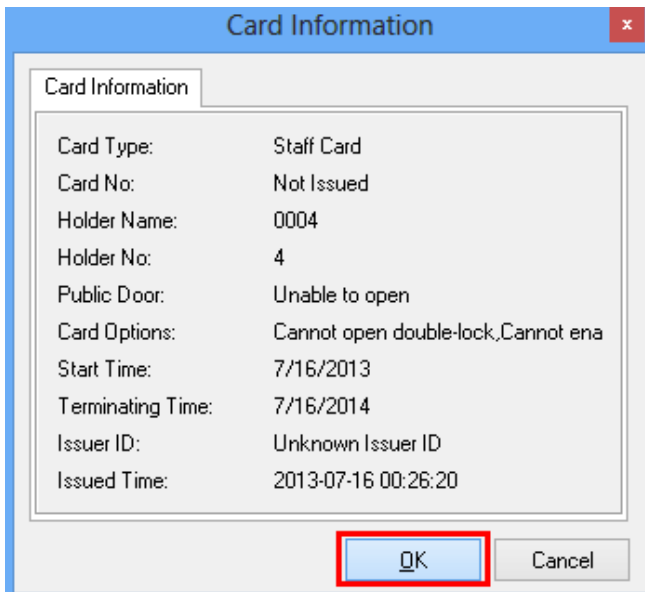
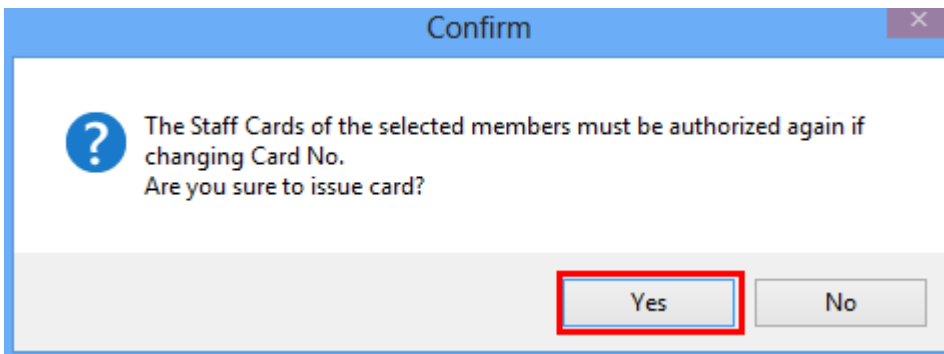


You can select all staffs to setup the time section if they are in a same work section.



6.5.2. Issue “Staff card”,

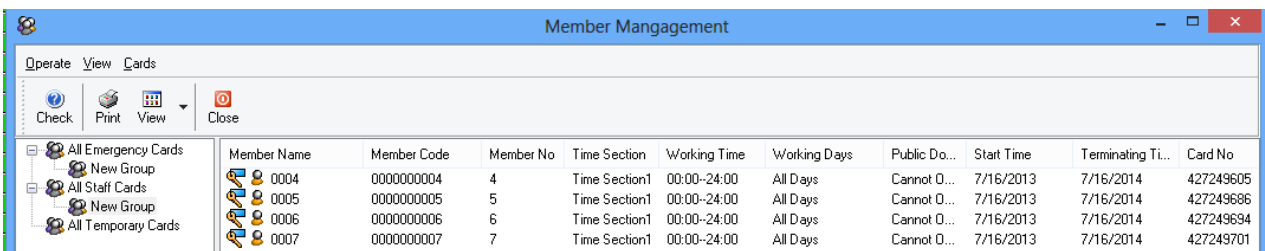
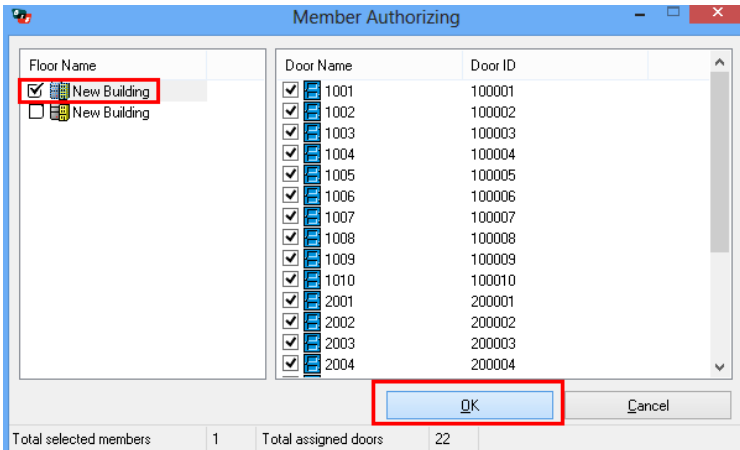




However, card can't open the door right now; even you already issued the card.

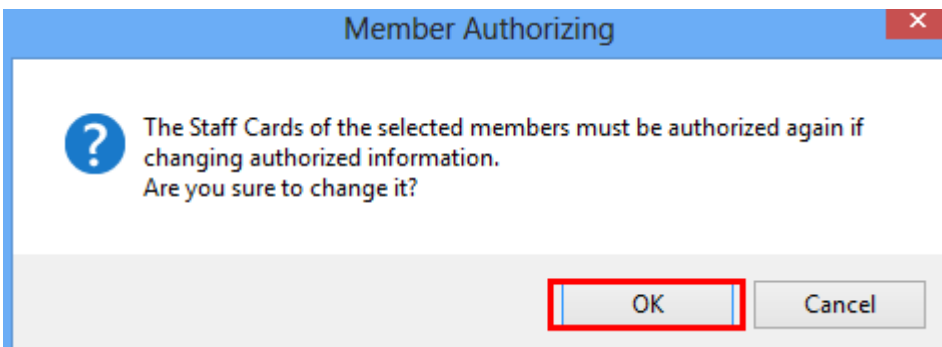
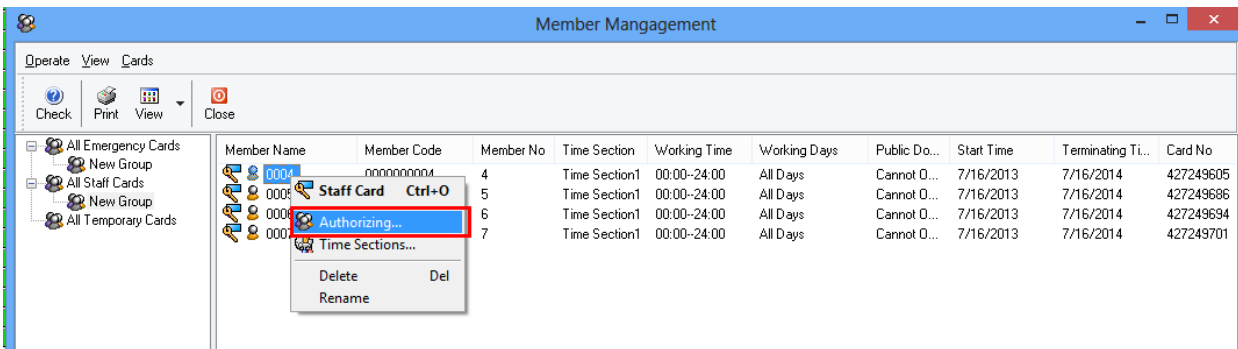
6.5.3. Authoring staffs

Right click and choose “Authoring.....”

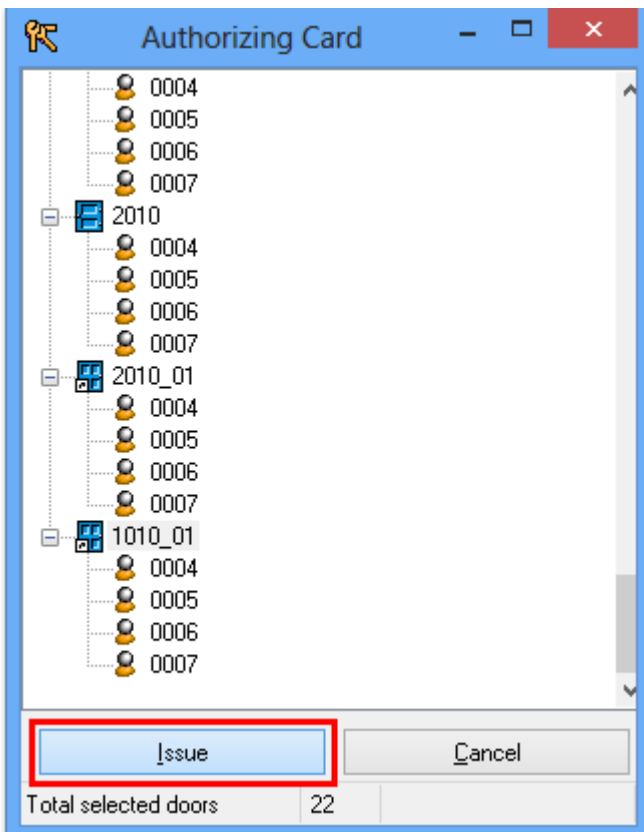


If you want to authorize staff 1 to open new building 1, just click new building

If you want to authorize staff 1 to open some of the rooms, so you need to select the door name as you want on the right.



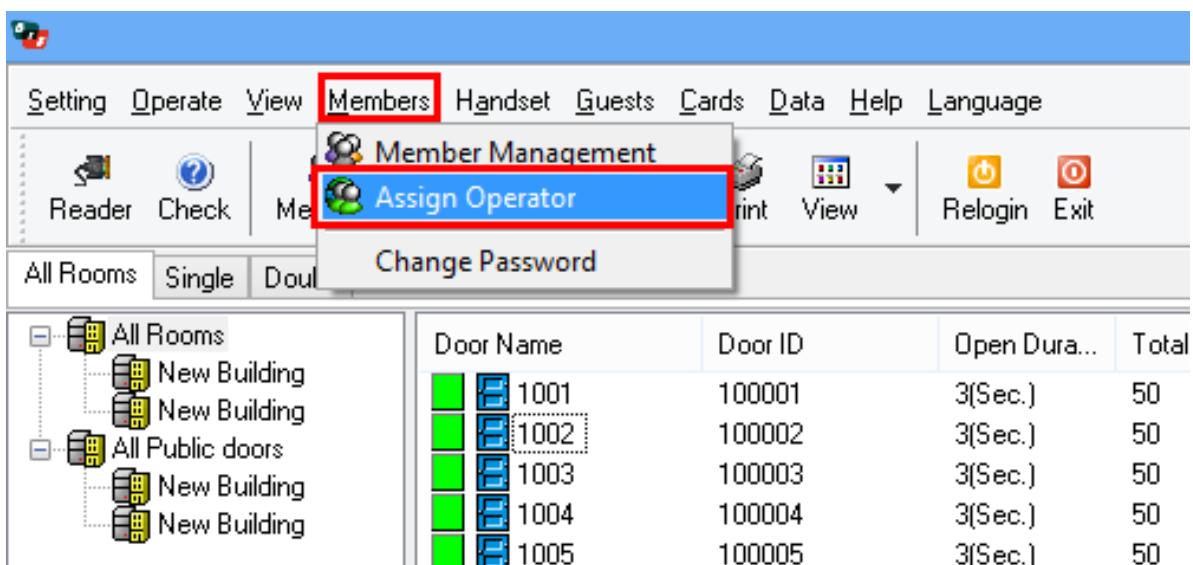
Then, go back to “All rooms”, choose all rooms and right click, find out “authorizing members” and click, you will see the members under the rooms, it means the one can open the room.

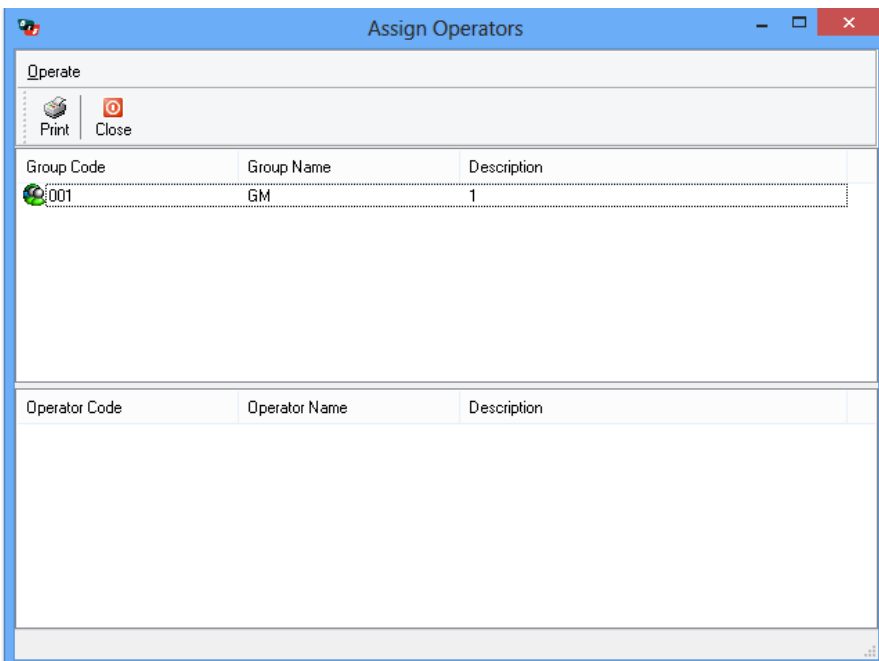
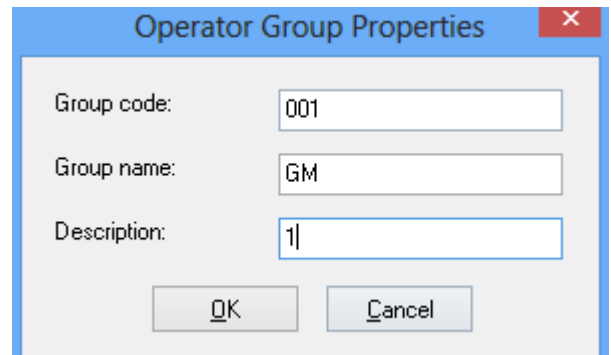
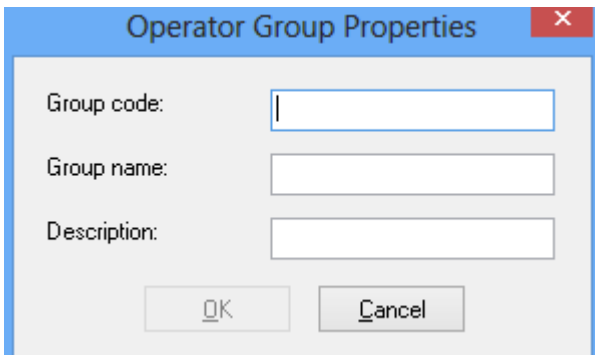
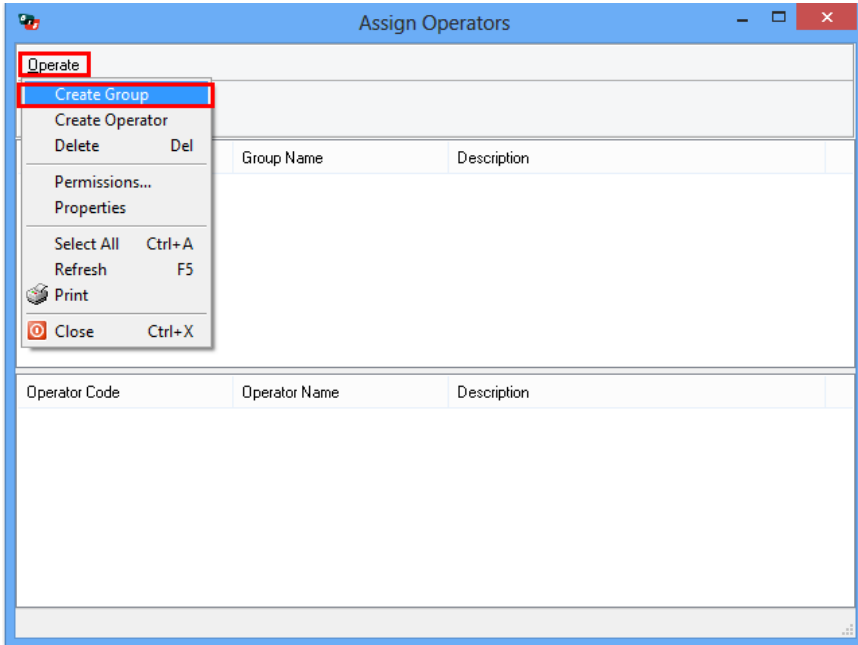


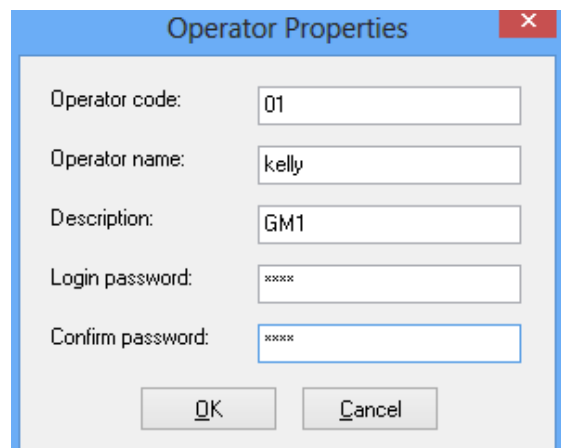
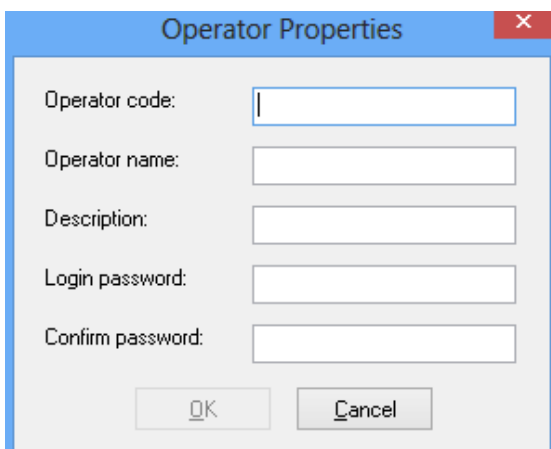
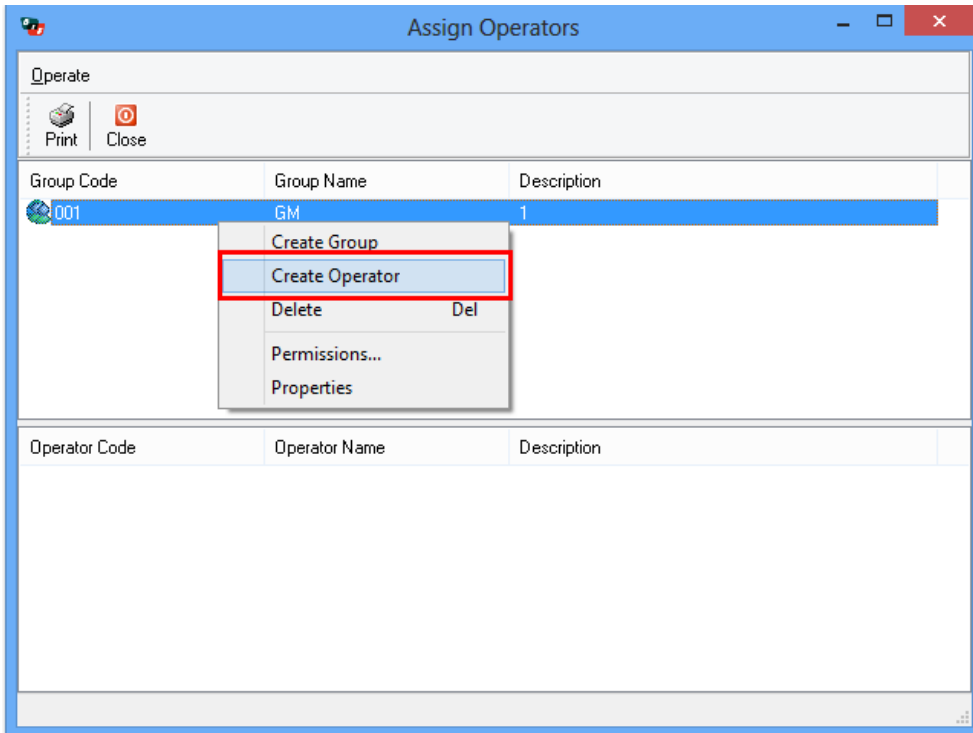
Click "Issue", and take the card to scan the door, after that staff cards are able to open the door.

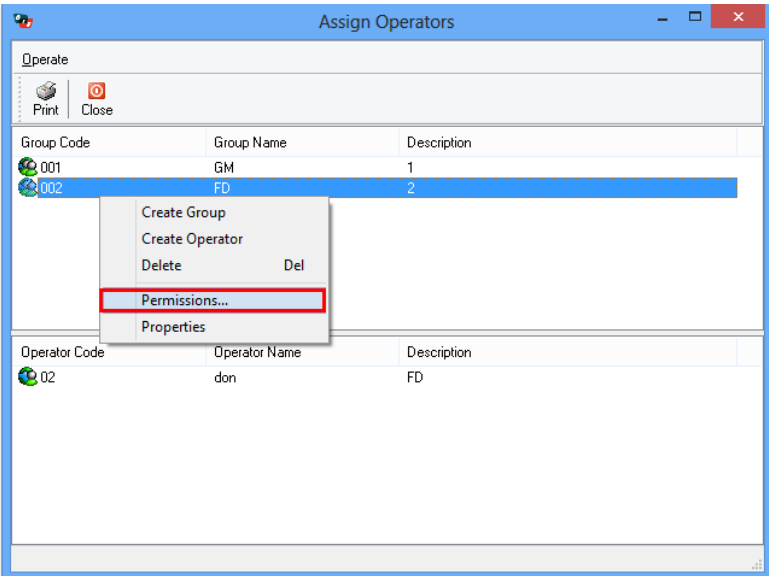
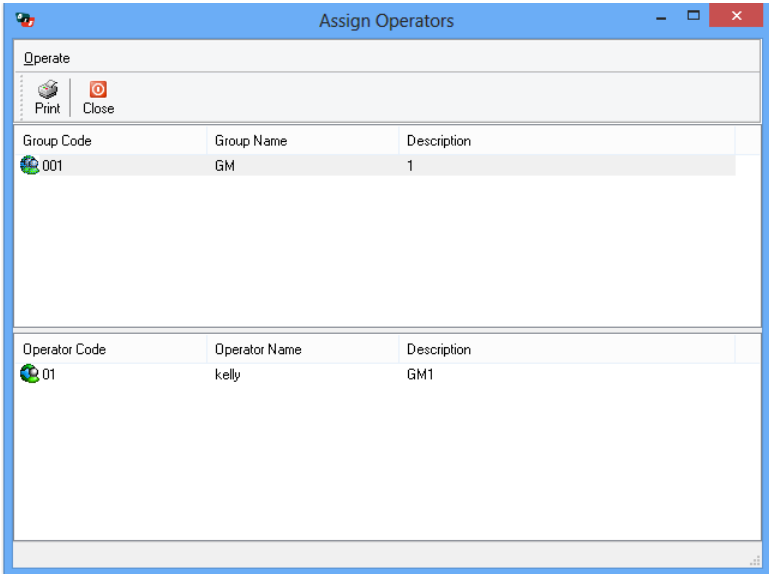
6.7. Assign member (Operator log in)

You can setup operator's permission

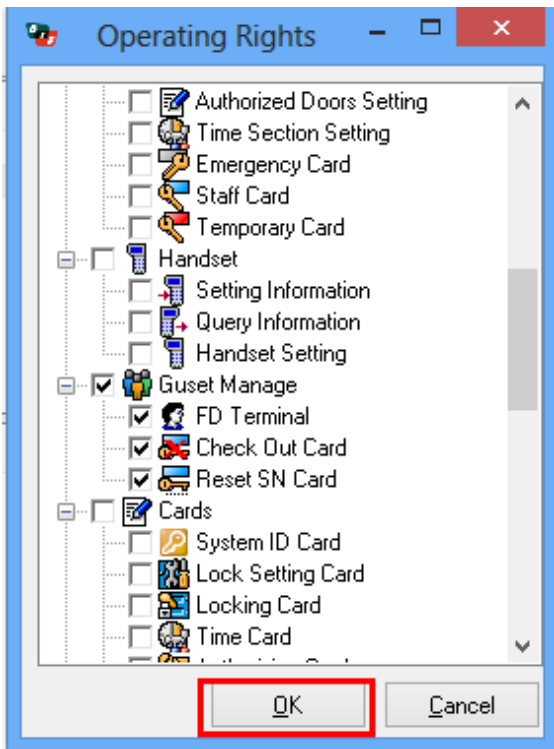




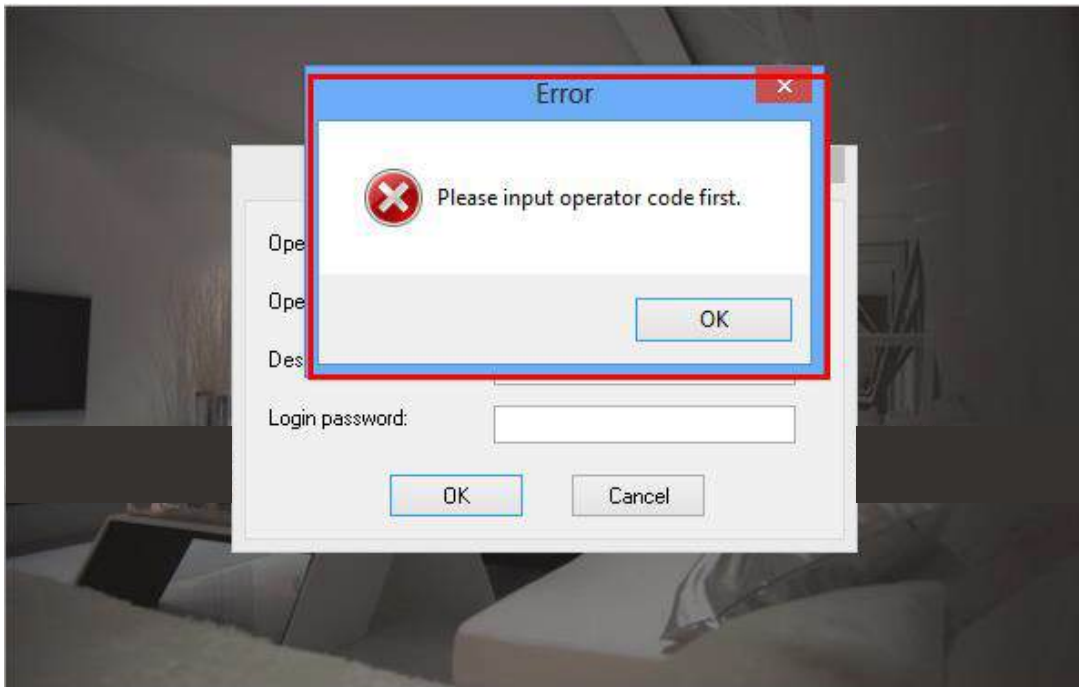




Set the permissions of operator.

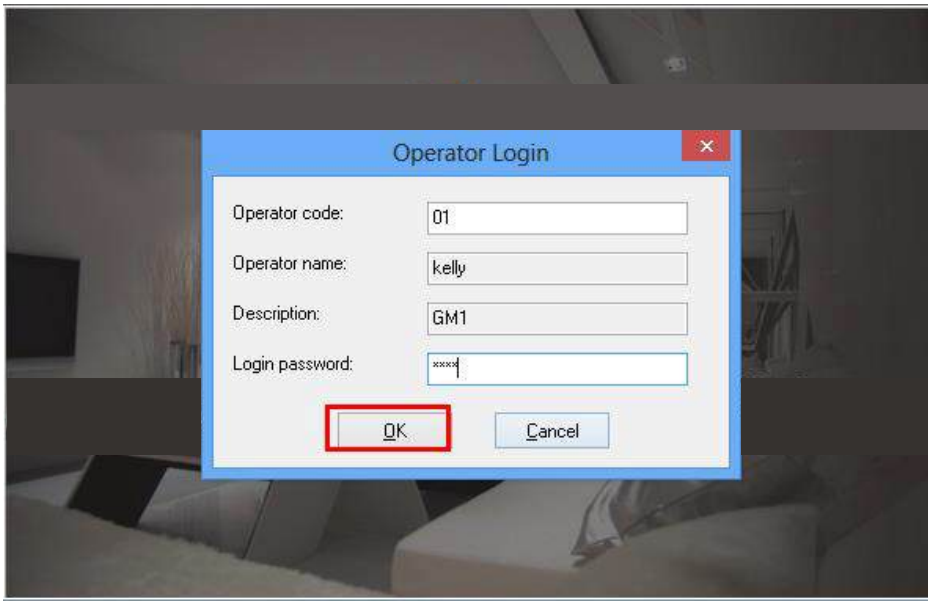


According to customer's requirement, you can set the permissions of the user.



After setup the operators, you have to enter operator code and login password to access software

- No permission



You can operate all of the options in the software.

BIS Hotel v5.7A

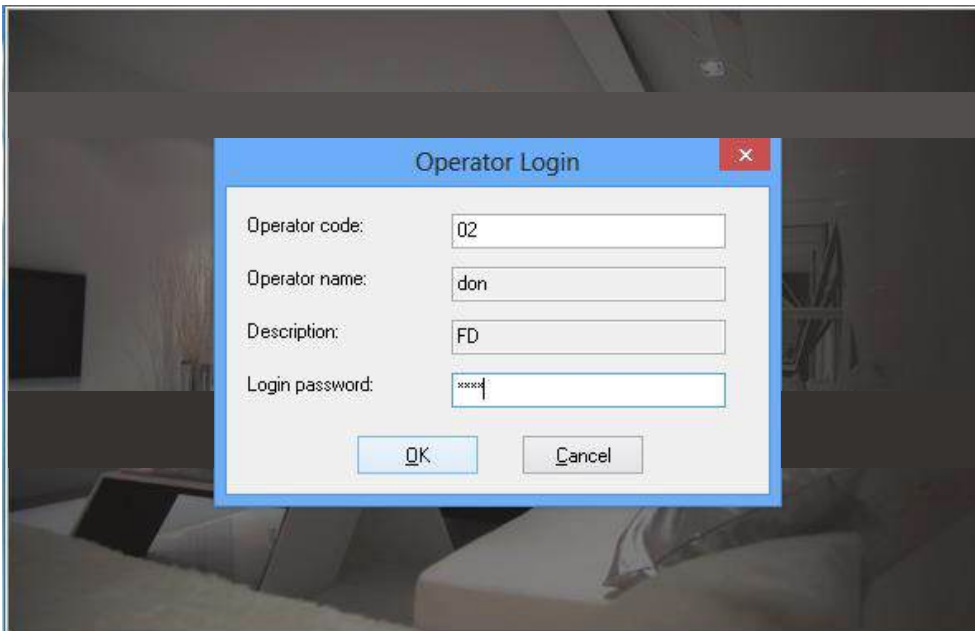
Setting Operate View Members Handset Guests Cards Data Help Language

Reader Check Members Operators FD Terminal Print View Relogin Exit

All Rooms Single Double

Door Name	Door ID	Open Dur...	Total C...	Total Rea...	Guest SN	Total Guests	Room Type	Room Status
1001	100001	3(Sec)	50	414	0	Vacant	Single	Clean Vacant
1002	100002	3(Sec)	50	414	0	Vacant	Single	Clean Vacant
1003	100003	3(Sec)	50	414	0	Vacant	Single	Clean Vacant
1004	100004	3(Sec)	50	414	0	Vacant	Single	Clean Vacant
1005	100005	3(Sec)	50	414	0	Vacant	Double	Clean Vacant
1006	100006	3(Sec)	50	414	0	Vacant	Double	Clean Vacant
1007	100007	3(Sec)	50	414	0	Vacant	Double	Clean Vacant
1008	100008	3(Sec)	50	414	0	Vacant	Double	Clean Vacant
1009	100009	3(Sec)	50	414	0	Vacant	Double	Clean Vacant
1010	100010	3(Sec)	50	414	0	Vacant	Double	Clean Vacant
1010_01	10001001	3(Sec)	50	414	0	Vacant	Double	Clean Vacant
2001	200001	3(Sec)	50	414	0	Vacant	Single	Clean Vacant
2002	200002	3(Sec)	50	414	0	Vacant	Single	Clean Vacant
2003	200003	3(Sec)	50	414	0	Vacant	Single	Clean Vacant
2004	200004	3(Sec)	50	414	0	Vacant	Single	Clean Vacant
2005	200005	3(Sec)	50	414	0	Vacant	Single	Clean Vacant
2006	200006	3(Sec)	50	414	0	Vacant	Double	Clean Vacant
2007	200007	3(Sec)	50	414	0	Vacant	Double	Clean Vacant
2008	200008	3(Sec)	50	414	0	Vacant	Double	Clean Vacant
2009	200009	3(Sec)	50	414	0	Vacant	Double	Clean Vacant
2010	200010	3(Sec)	50	414	0	Vacant	Double	Clean Vacant
2010_01	20001001	3(Sec)	50	414	0	Vacant	Double	Clean Vacant

● With permissions



When you enter the operator that with permissions, so you will see there would be some options you can't run.

BIS Hotel v5.7A

Setting Operate View Members Handset Guests Cards Data Help Language

Reader Check Members Operators FD Terminal Print View Relogin Exit

All Rooms Single Double

Door Name	Door ID	Open Dura...	Total C...	Total Reco...	Guest SN	Total Guests	Room Type	Room Status
1001	100001	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
1002	100002	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
1003	100003	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
1004	100004	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
1005	100005	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
1006	100006	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
1007	100007	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
1008	100008	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
1009	100009	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
1010	100010	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
1010_01	10001001	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
2001	200001	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
2002	200002	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
2003	200003	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
2004	200004	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
2005	200005	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
2006	200006	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
2007	200007	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
2008	200008	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
2009	200009	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
2010	200010	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
2010_01	20001001	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant

7. Issue guest card

BIS Hotel v5.7A

Setting Operate View Members Handset Guests Cards Data Help Language

Reader Check Members Operators FD Terminal Print View Relogin Exit

All Rooms Single Double

Door Name	Door ID	Open Dura...	Total C...	Total Reco...	Guest SN	Total Guests	Room Type	Room Status
1001	100001	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
1002	100002	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
1003	100003	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
1004	100004	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
1005	100005	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
1006	100006	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
1007	100007	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
1008	100008	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
1009	100009	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
1010	100010	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
1010_01	10001001	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
2001	200001	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
2002	200002	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
2003	200003	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
2004	200004	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
2005	200005	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant
2006	200006	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
2007	200007	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
2008	200008	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
2009	200009	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
2010	200010	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant
2010_01	20001001	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant

Make sure System ID, lock setting, Time, authorizing are done, double click the room number in the software, you will see guest card screen as below

Guest Card

Selected Rooms

Door Name	Door ID	Guest SN	Total Guests	Room Status
<input checked="" type="checkbox"/> 1001	100001	0	Vacant	Clean Vacant

Guest Index: Guest1

Card Information

Staying Days: 1

Arrival Time: 7/20/2013 12:29:08 AM

Departure Time: 7/20/2013 12:00:00 PM

Public Doors:

Holder Details

Guest ID:

Guest Name:

Nationality:

Date of Birth: 12/30/1899

ID Document Name:

Contact Address:

Zip Code:

Telephone No.:

Remark:

Sex: None Married

Place of Birth:

ID Document No.:

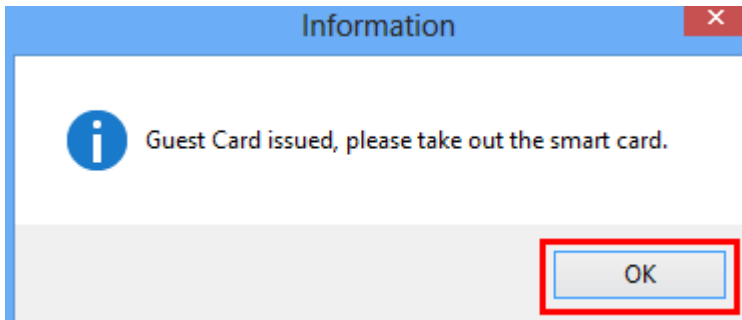
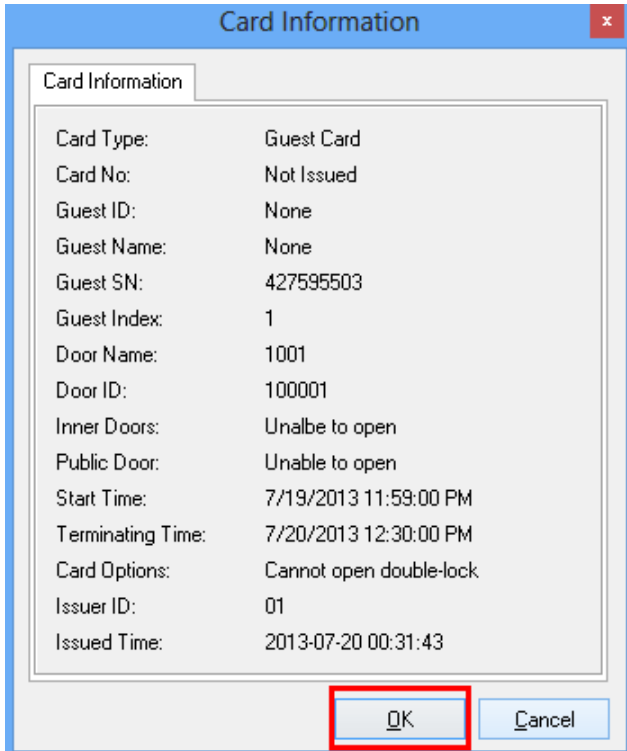
E-Mail:

Fax No.:

>> Check-in Extend Check-out **Issue** Modify Confirm Cancel

Total selected room(s) 1 Total guest(s) 1 Operator

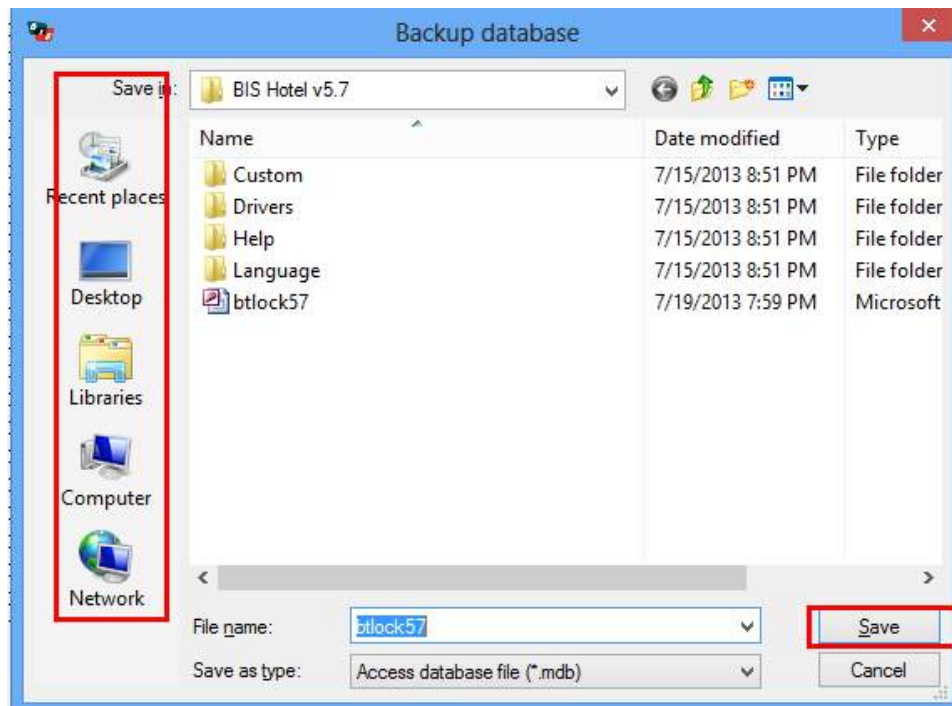
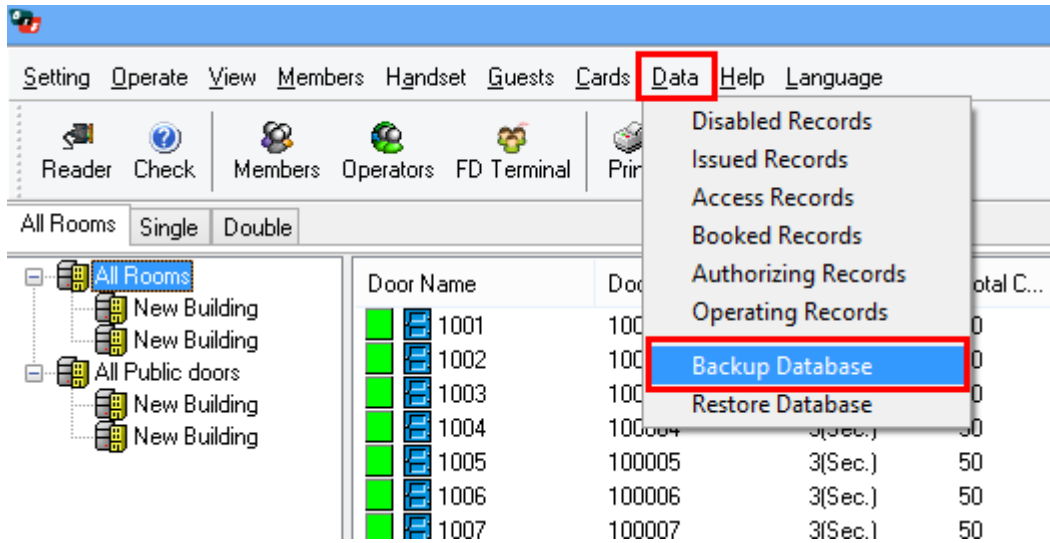
You can set the valid time of the guest, and click "Issue",



Guest card is done, then take this card to the corresponding room, try to open the lock. Green light and 1 beep, motor run from the lock, so you can push the handle.

8. Back up database

When all of setup is done in the software, backup the database is necessary.

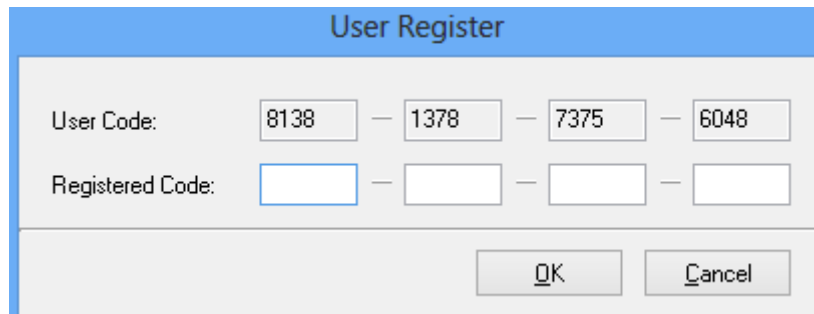


It is necessary to back up the database to another place, such as another computer or USB storage, in case that the computer is broken, you can get the back up in other place.

9. Software registration

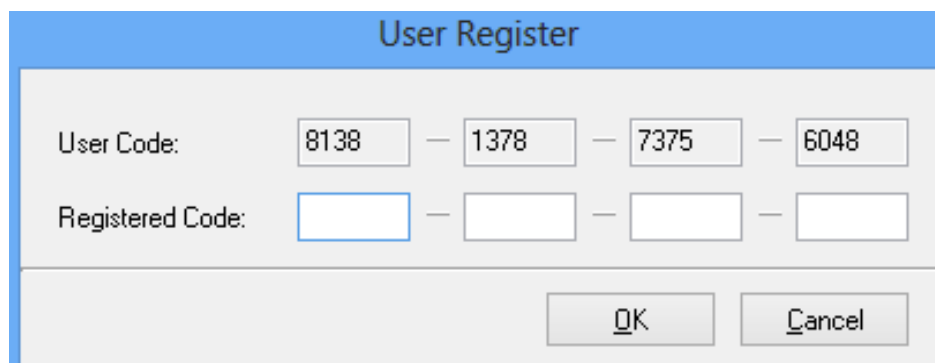
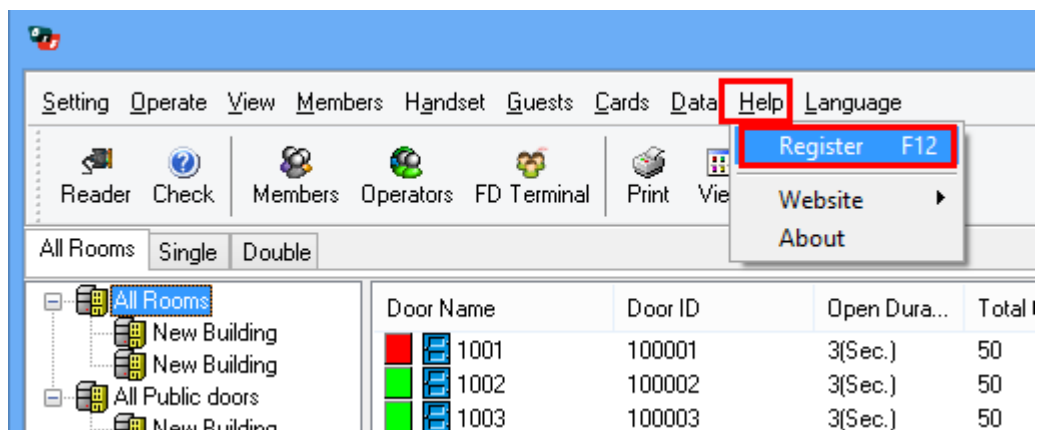
Normally, there will be user register in 30 days after you install the software. In that case, you need to have the software registered; so please send this user code to essl for a registered code. Otherwise, you can't use the software anymore out of 30 days.

Note: The user code will be changed when close it and re-start. Different user code is required different registered code.



The 'User Register' dialog box has a blue title bar. It contains two rows of input fields. The first row is labeled 'User Code:' and contains four text boxes with the values '8138', '1378', '7375', and '6048'. The second row is labeled 'Registered Code:' and contains four empty text boxes. At the bottom right, there are two buttons: 'OK' and 'Cancel'.

If you want to have the software registered after software installed, you can click "Help" and "Register", then you will see the "User register"



This is a duplicate of the 'User Register' dialog box shown above. It features a blue title bar, 'User Code' and 'Registered Code' input fields, and 'OK' and 'Cancel' buttons.

10. Hand held Unit



Blue wire for PC, black one for lock



10.1. Hand held Unit profile

10.1.1. Function

Hand held unit is used for setting lock, and audit trail the information, it will make you more convenient to setup the lock, if you have hand held, and you no need to issue lock setting card, authorizing card, and time card.

10.1.2. Before Using

First, before using hand held, make sure SID card, all the rooms and members have been setup.

Second, our handheld is available for Win XP/VISTA/7/8/10 , window server 2012

10.1.3. How to open and shut down

Turn on : Press " * " about 3 seconds. After one "beep", the LCD shows entry window meaning that handheld is on.

Turn off : Press " * " about 3 seconds. After one "beep", the handset is off.

10.1.4. Manu of the hand held

When open the handheld, there is a Welcome logo, press **OK** key and then enter the handheld password and press "**OK**" key to log in(if you didn't set any handheld log in password just press **OK** key)

→always choose **non encrypted mode** → OK → choose **wired mode** , you will see 9 options:

- **Communicate with PC**
- **Setup system password**
- **Set lock (setup lock's info)**
- **Audit trail (download lock's information)**
- **Check door lock clock (check lock's time)**
- **Set door lock clock (adjust lock's time)**
- **Check door lock state (check battery status)**
- **One click unlock (unlock by handheld) (optional feature)**
- **Set handheld PW (set handheld log in password)**

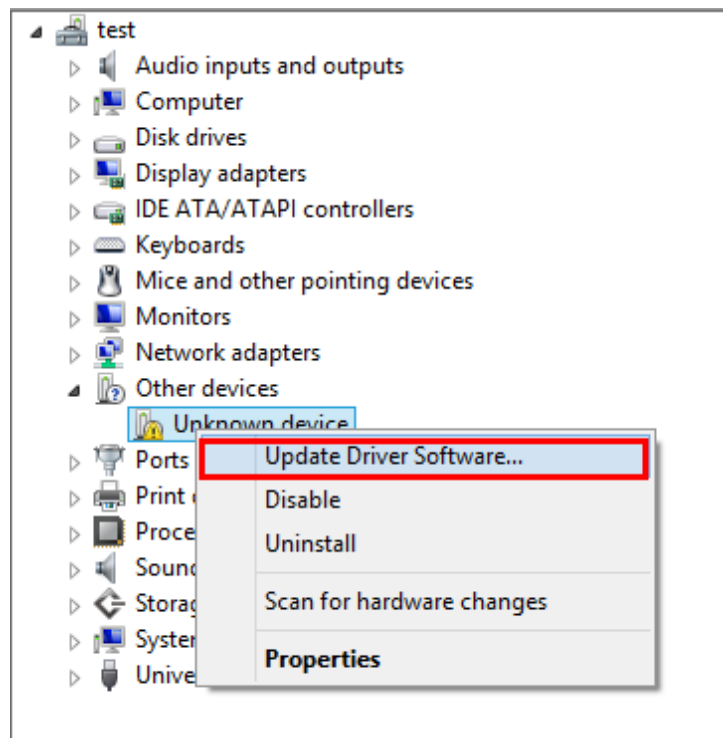
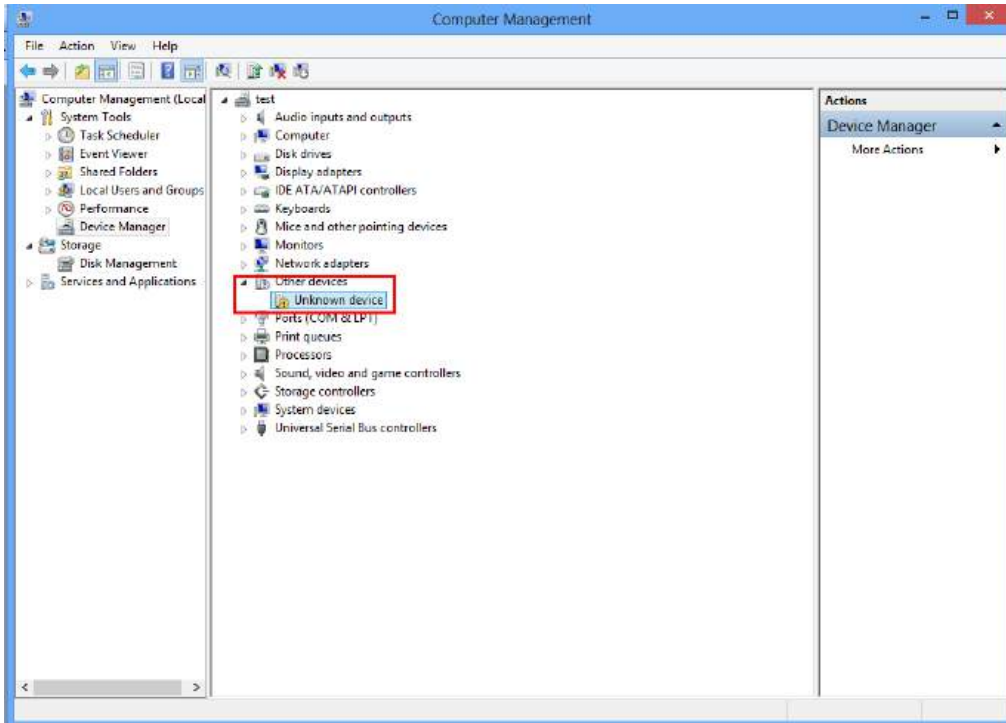
10.1.5. Hand held operating steps for programming door lock

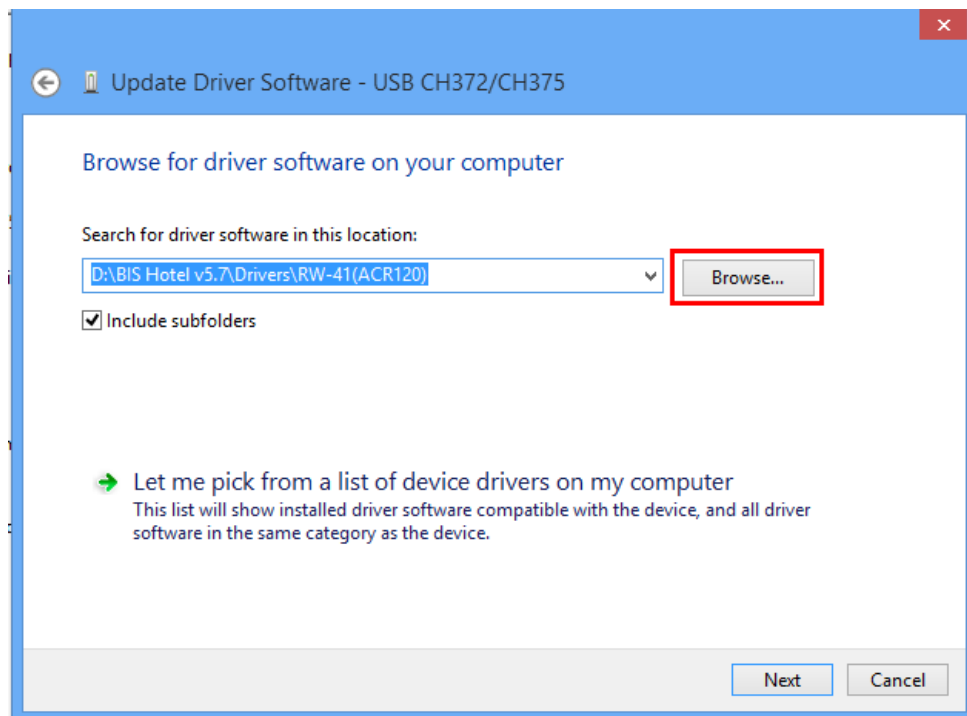
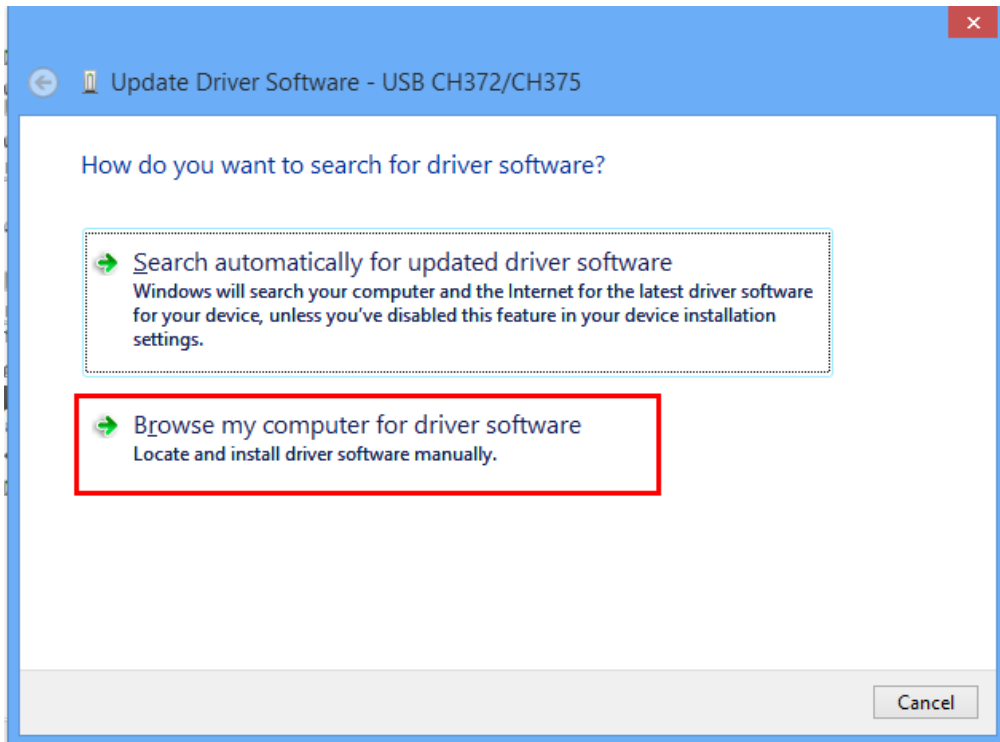
Driver installation---handset settings---Setting information

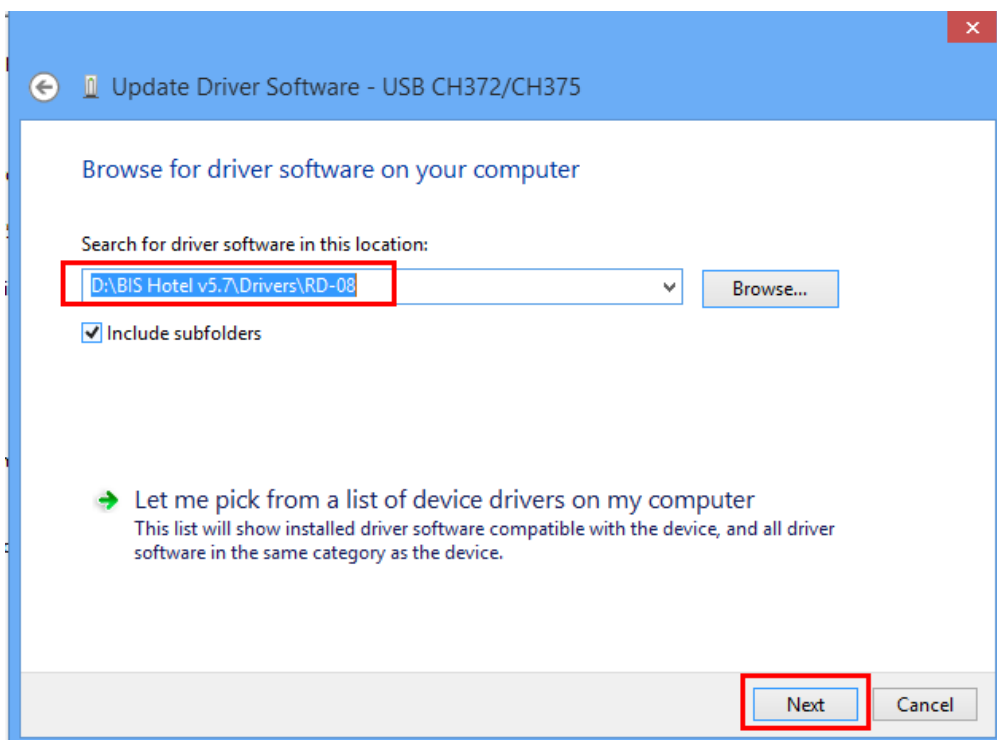
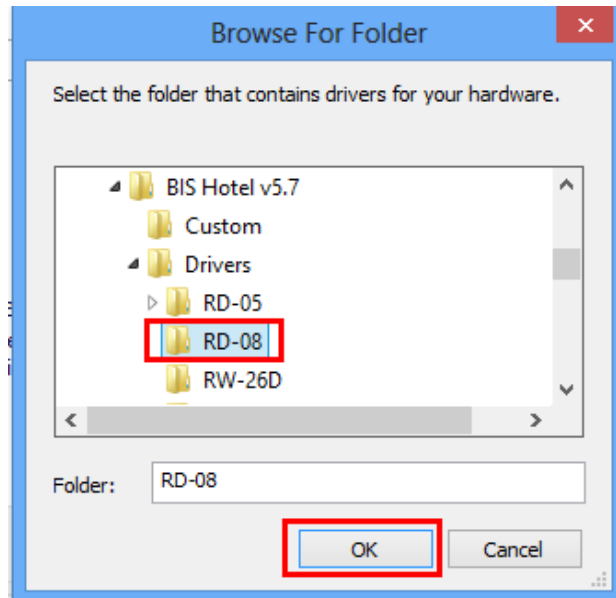
Please follow the detailed instructions to make all of the steps done as below.

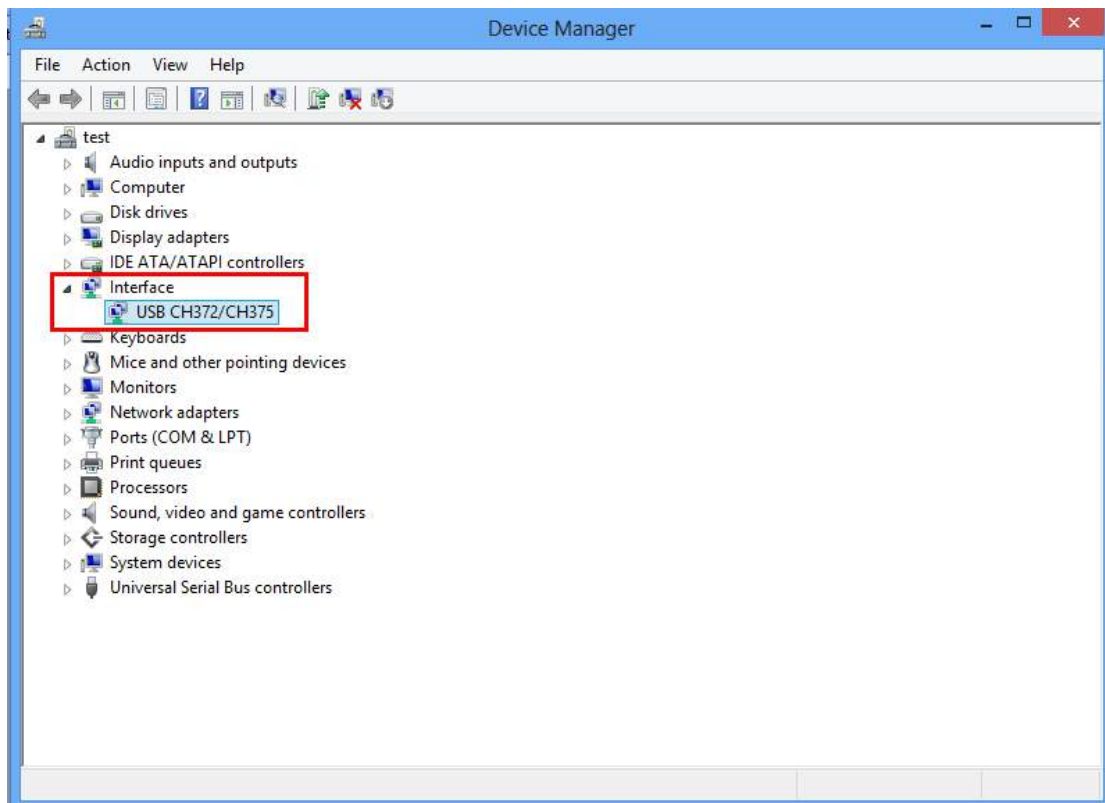
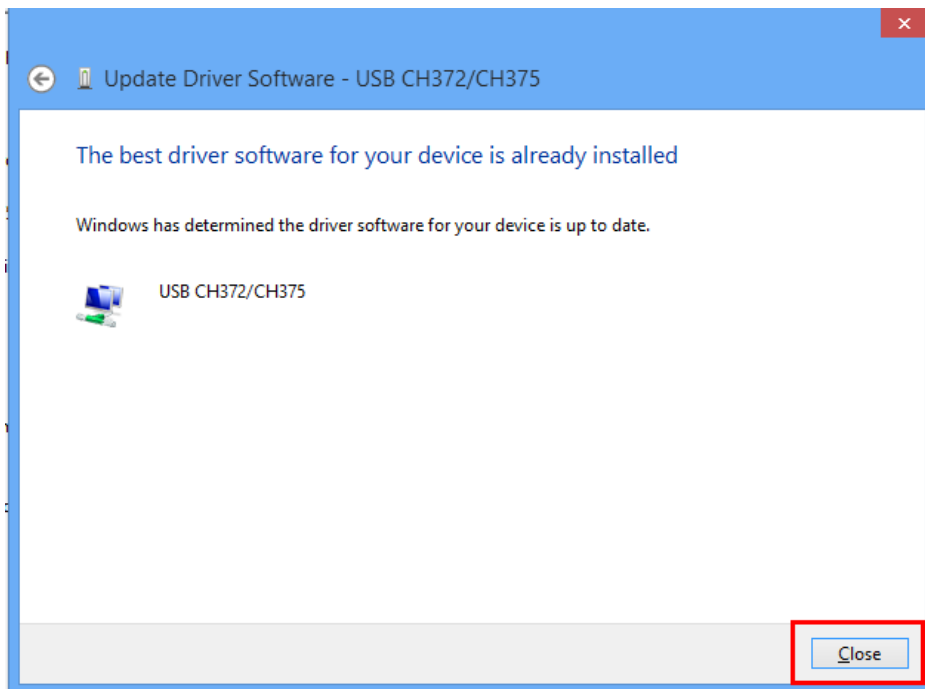
10.2. Driver installation

Connect the handheld to the computer, and find out the “communicate with PC, there will be a screen pops up.









10.3. Options operation

10.3.1. Change password of handset (change pw of handset)

Function: The default password of handset is blank. After changing password of handset, users must access to handset with the correct password next time.

Operation: choose this option, press "OK", enter a new password, press "OK", confirm the new password, press "OK", done.

10.3.2. Communicate with PC (communicate with PC)

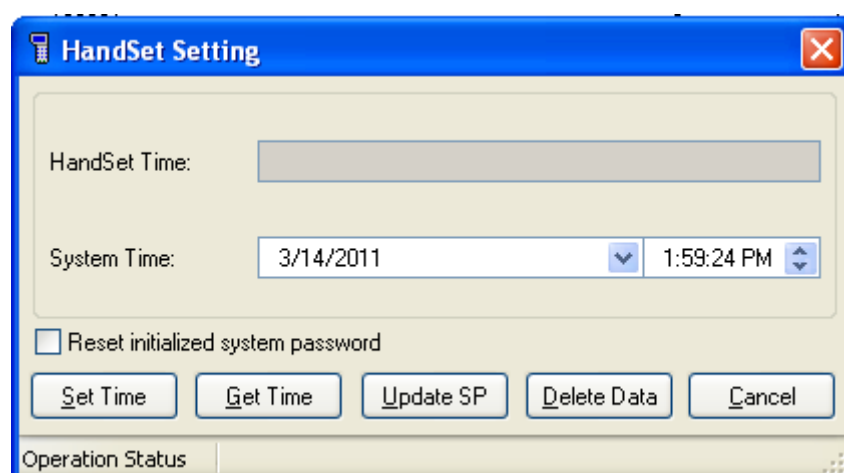
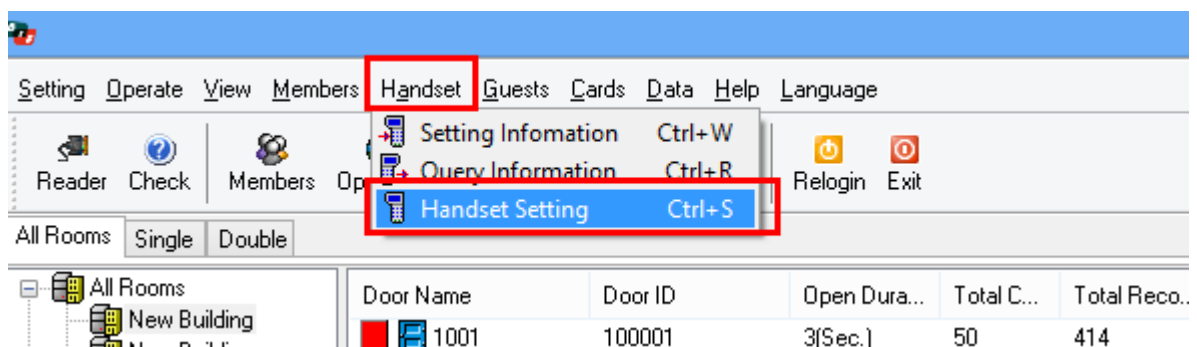
Function: setup the handset on PC such as setting time, querying information, deleting date and so on.

Operation: connect with pc with appropriate line, and then choose this option, press "OK", done.

And the LED will show "Waiting for communication.....", if connection is faulty, it will show "connection failure"

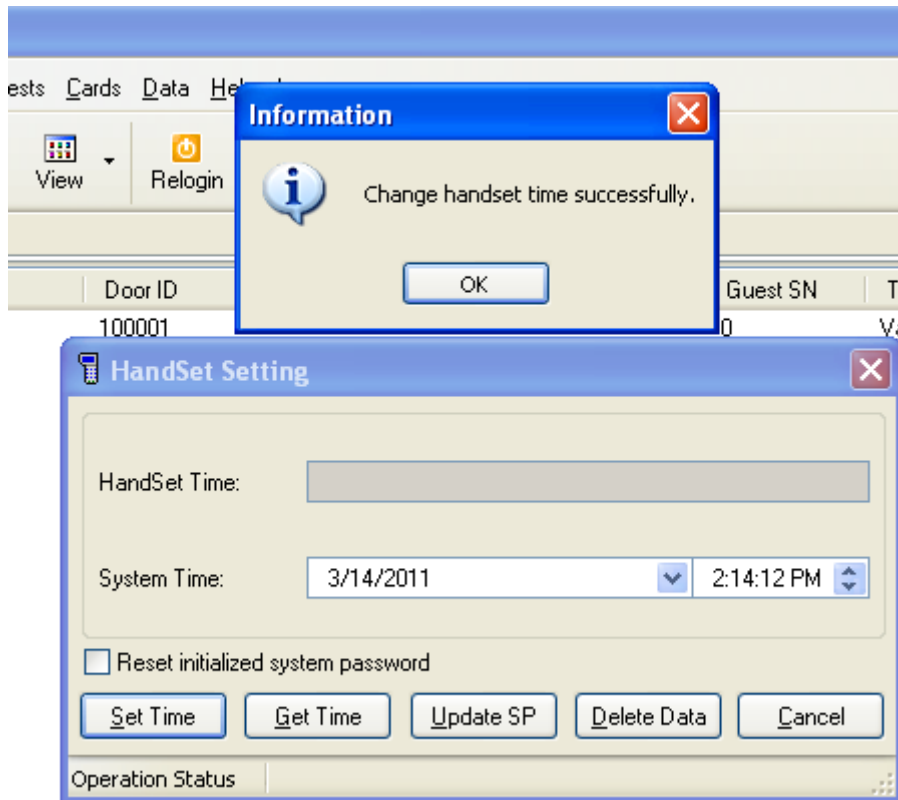
10.4. Handset setting

Make sure handset is communicating with PC and showing "Waiting for communication....." Then go back to the software, find out the handset, and select "handset setting"



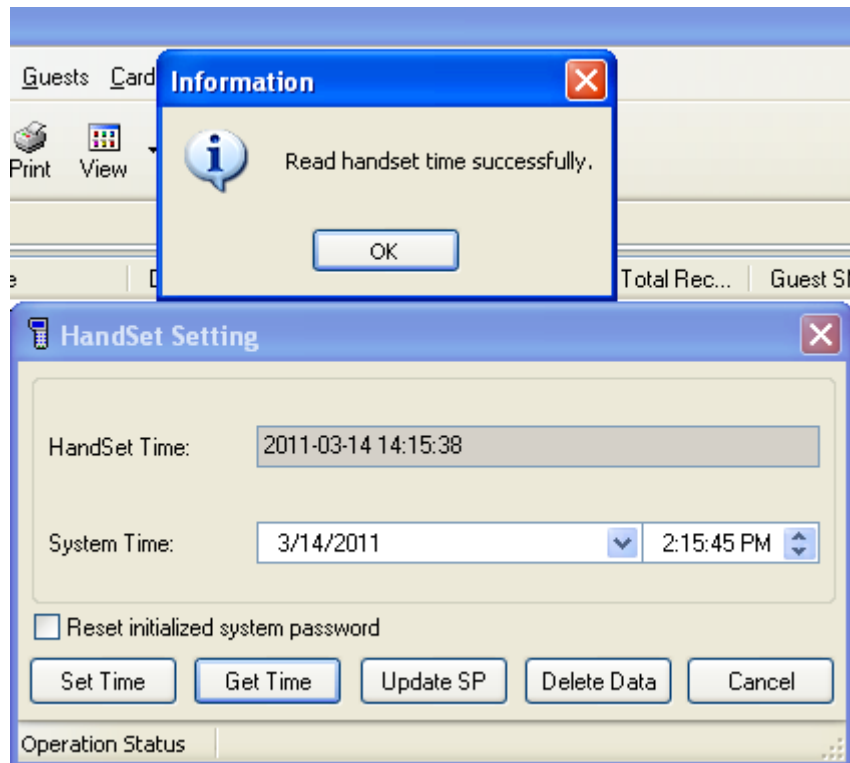
10.4.1. Set time

Set up handset's time



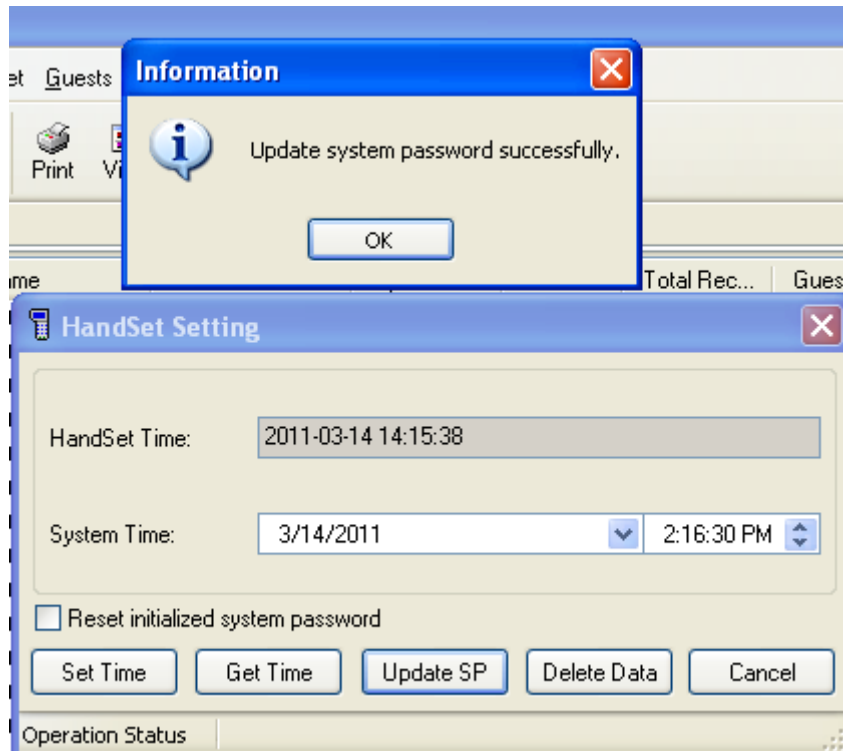
10.4.2. Get time

Check handset's time



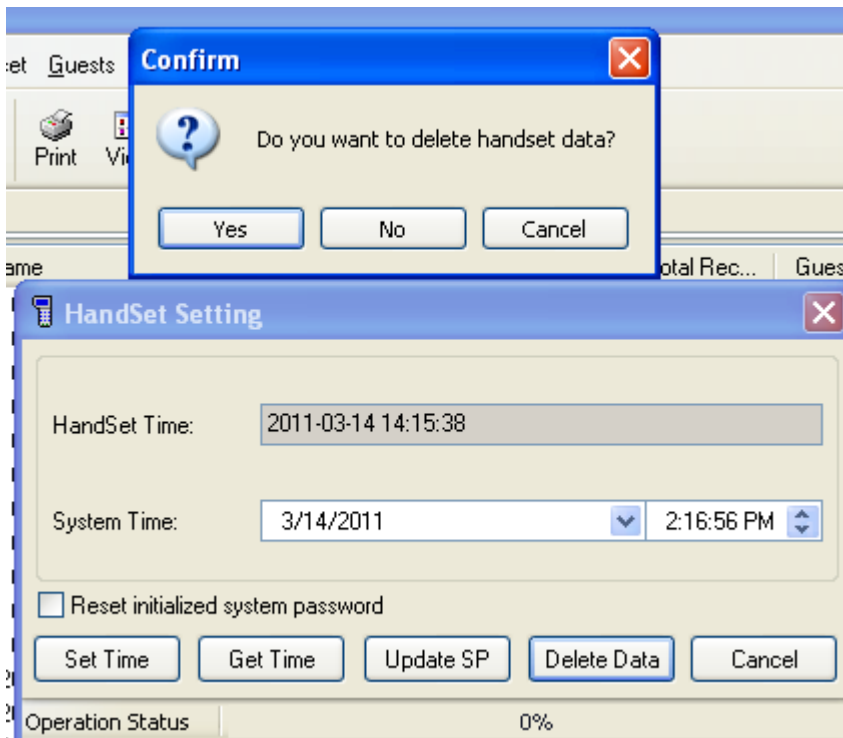
10.4.3. Update SP

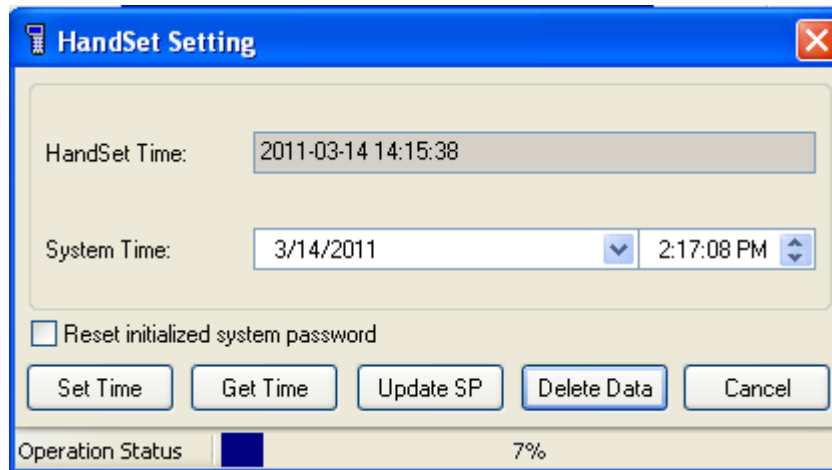
Update handset's SID as software SID, it means that the handset must have the same SID with software, if their SID is different, the key cards issued for encoder could not open the door.



10.4.4. Delete data

Delete the old data of the handset, it will take about couple's minutes.





10.5. Setting information

Make sure handset is communicating with PC and showing “Waiting for communication.....”

It is used for writing information from the software to handset. Before write handset, make sure all of the rooms information is done, such as room information, authorization information.

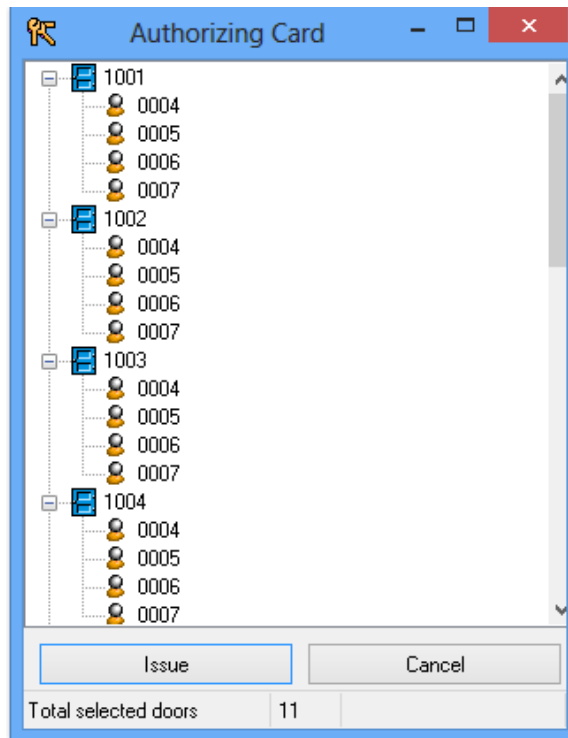
10.5.1. Correct room information

Room information must be set as below; otherwise you cannot see the rooms when you are going to write the handset. (Please find out the settings in BIS Hotel 5.7)

Door Name	Door ID	Open Dura...	Total C...	Total Reco..	Guest SN	Total Guests	Room Type	Room Status	Batteries Chang...
1001	100001	3(Sec.)	50	414	427595503	1	Single	Occupied	
1002	100002	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant	
1003	100003	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant	
1004	100004	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant	
1005	100005	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant	
1006	100006	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant	
1007	100007	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant	
1008	100008	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant	
1009	100009	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant	
1010	100010	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant	
1010_01	10001001	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant	
2001	200001	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant	
2002	200002	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant	
2003	200003	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant	
2004	200004	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant	
2005	200005	3(Sec.)	50	414	0	Vacant	Single	Clean Vacant	
2006	200006	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant	
2007	200007	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant	
2008	200008	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant	
2009	200009	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant	
2010	200010	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant	
2010_01	20001001	3(Sec.)	50	414	0	Vacant	Double	Clean Vacant	

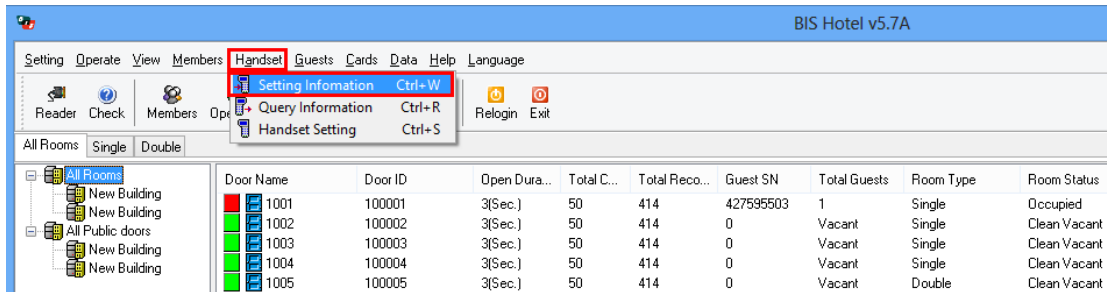
10.5.2. Correct authorization

Authorization information must be set as below; otherwise you cannot use the staff card to open the door. (Please find out the settings in BIS Hotel 5.7)

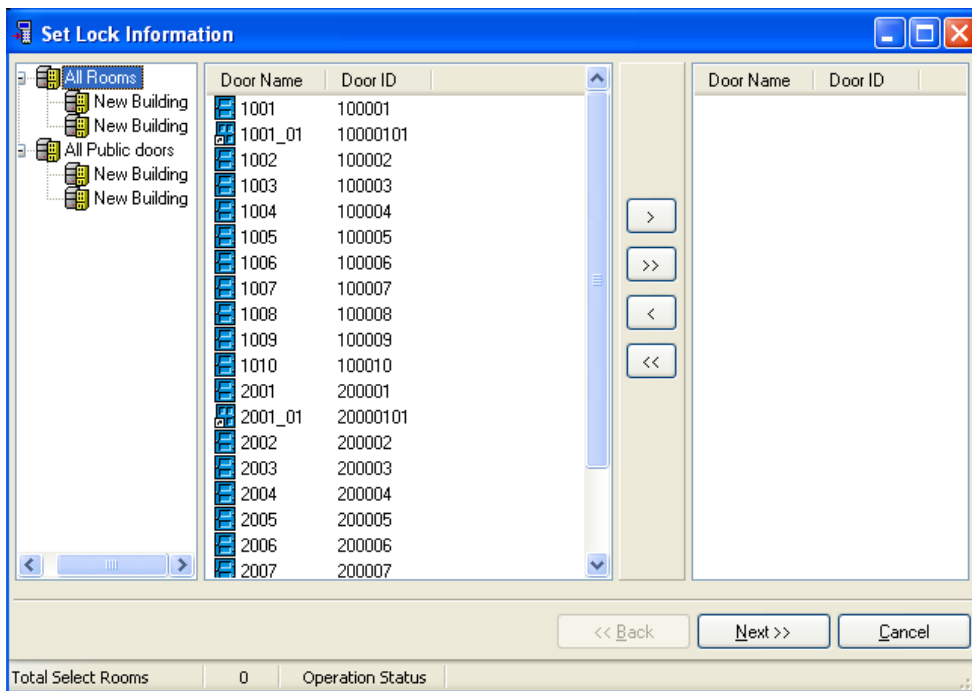



10.5.3. Write handset

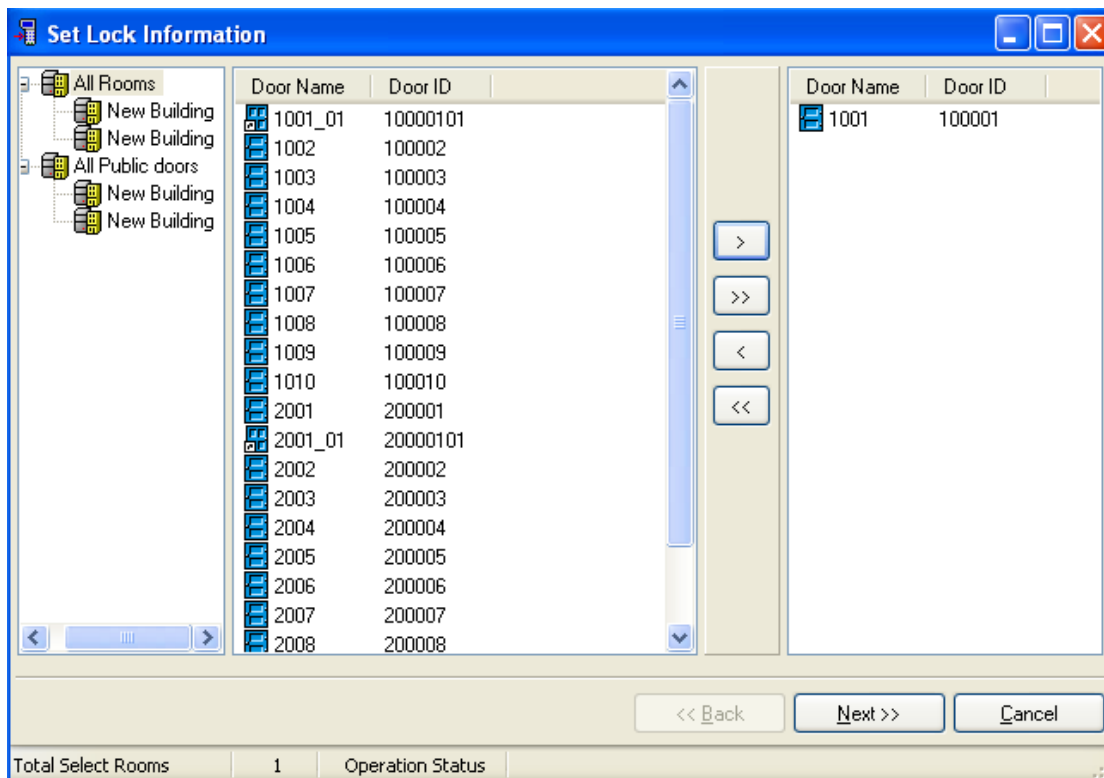
Then you can set information to handset.



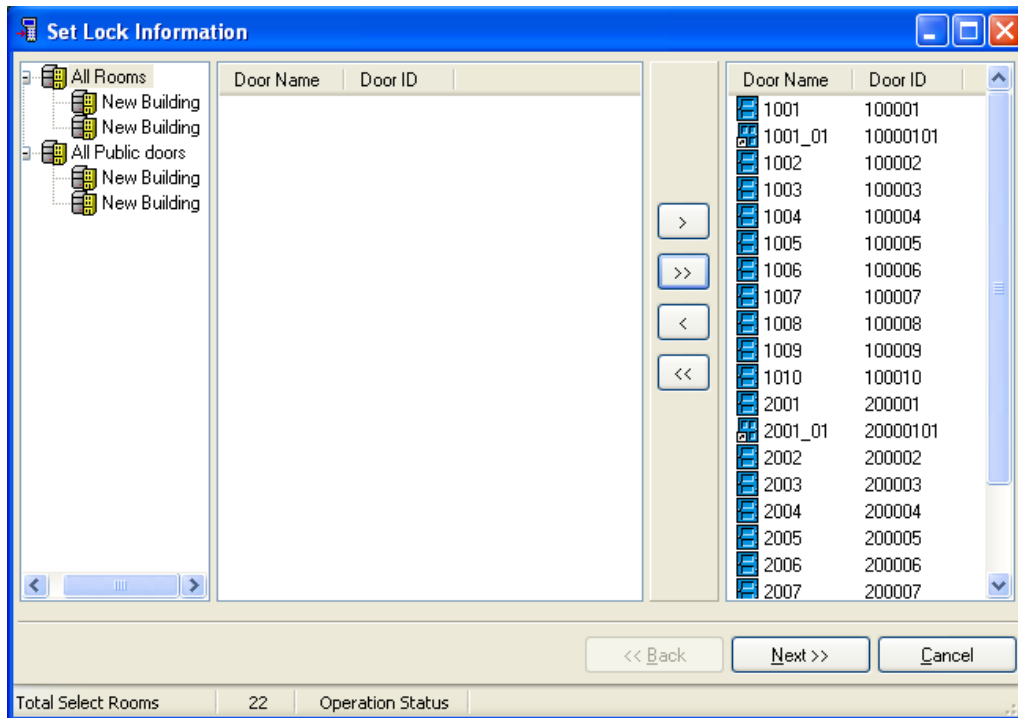
When you press "OK", you will see all rooms on the left, basically, we choose all room and move them to right, so you press ">>"



If you want to choose only one room, press “  ”

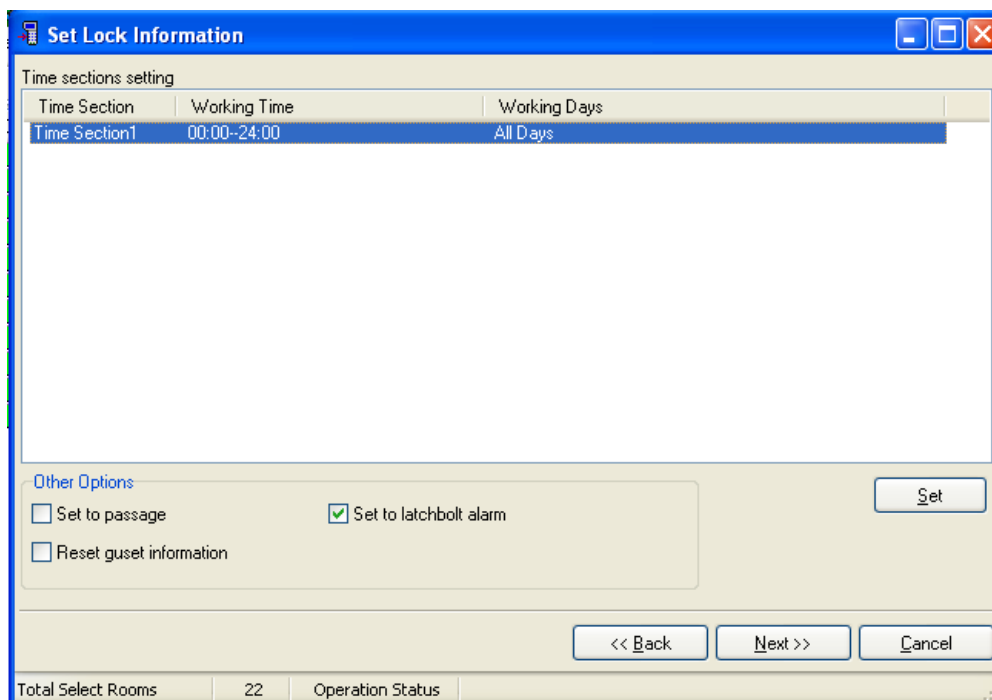


Press “next”



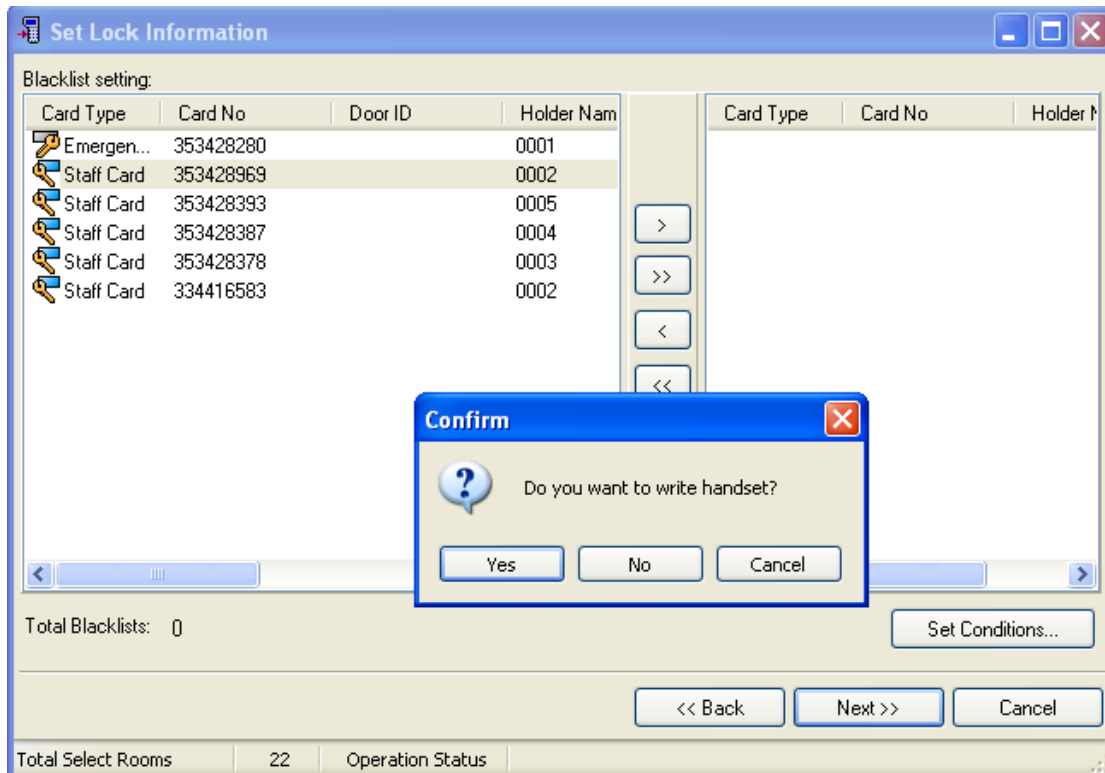
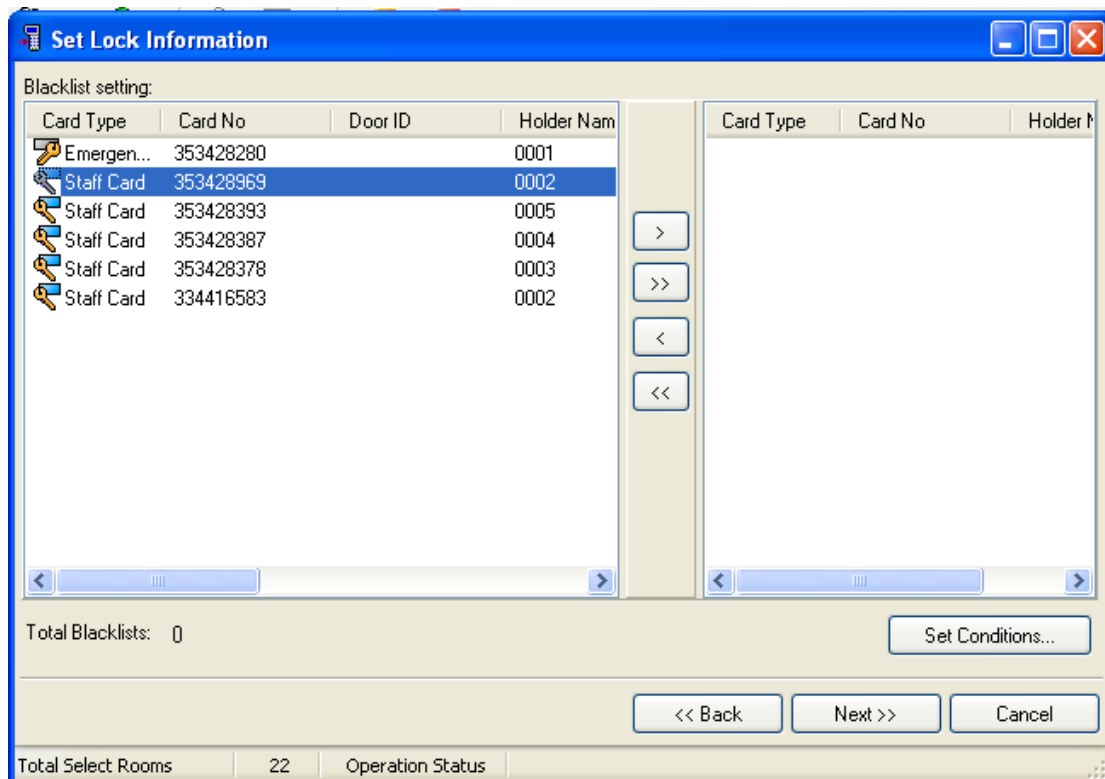
10.5.3.1. Time sections setting

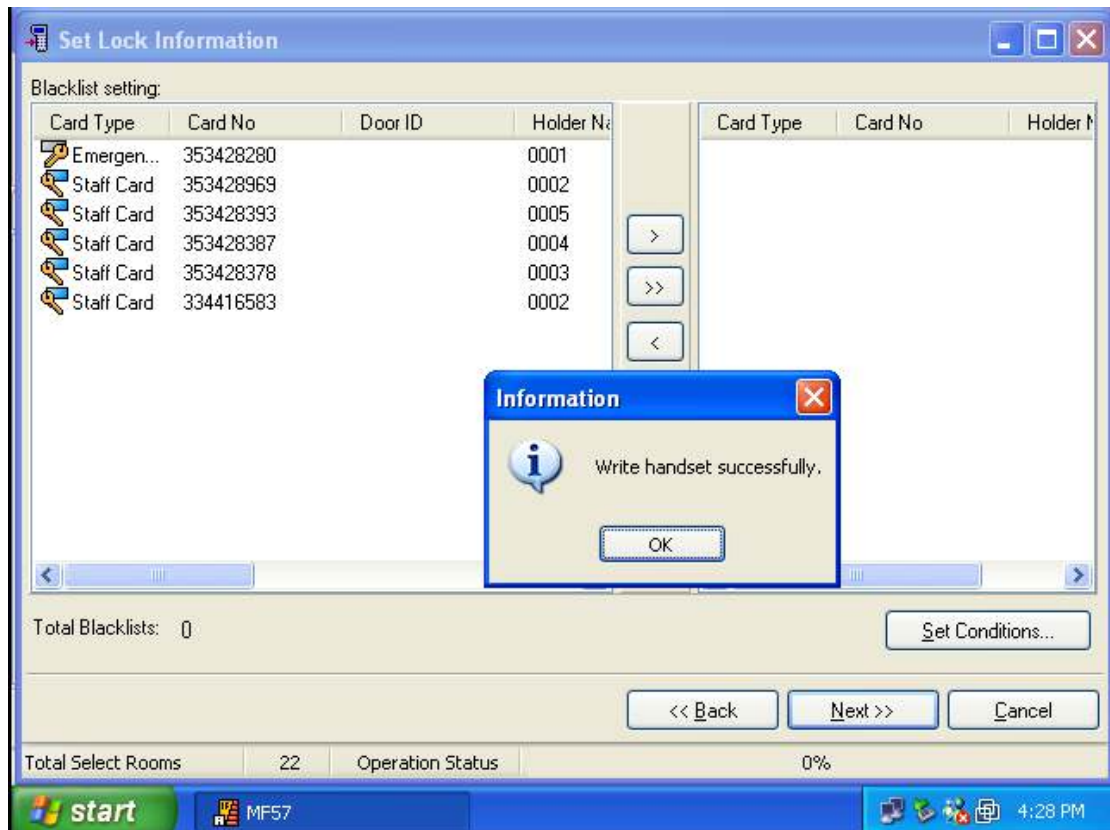
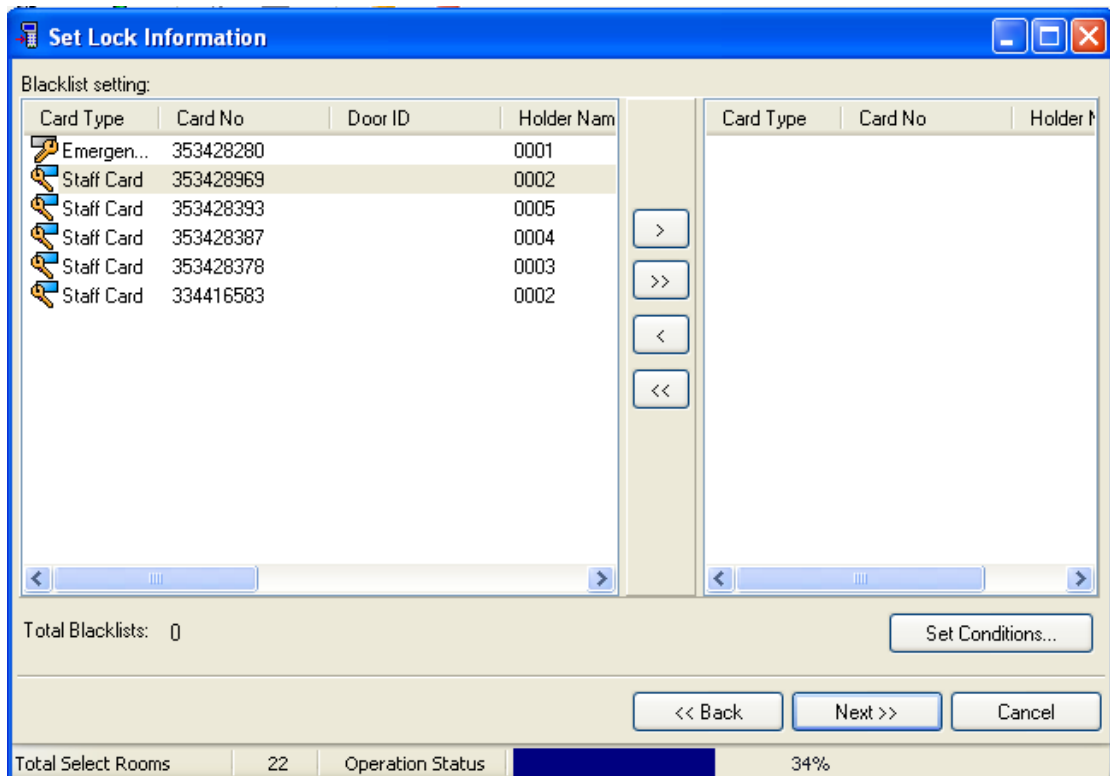
Press “set”, there is many time sections you can set, it is like the “time card”, choose “Reset guest information” if locks are newly installed. And other two options depend on requirement.



10.5.3.2. Blacklist setting

If some card is lost, in that case, you need to choose the lost card, and take it into right, and that card cannot be used as all the information is transmitted into the locks. Then, press “next”,





When you see “write handset successfully”, all the information of the hotel has been transmitted in the handset. The next step is going to set up the locks.

10.6. Program the lock with handset

Basic operation : Setup system password→ Set lock → Set door lock clock

Please follow below explanation and try step by step

10.6.1. Setup system password

Function : Setup/change system password of the lock.

Operations:

Insert the USB-Mini USB wire, then go in front the lock, there is Mini USB socket at the bottom, connect handset with lock, then choose " Setup system password"---- "OK" ----"1 beep, green light" comes from lock, setting is successful. Then move to "Set lock"

10.6.2. Set lock (setup lock's info)

Function: setup/change lock's information including lock's memory, motor's parameter, authorizing staffs, blacklist and so on.

Operation:

Choose "Set lock", press "OK", you will see enter lock's No., in that case, you can enter the locks' No, and press "OK", the lock's No. is with 8 digits, the ahead 6 digits is same as "Door ID" in the software, and the last two digits are for inner door, without inner door is "00", for example, if you want to find out the door ID is 100001 to set, the Door ID in the software is 100001, there is no inner door in this room, so you enter 10000100; if there is one inner room in Door ID 200002, then you can enter 20000201 to find out that room No. And then, press "OK"----"1 beep, green light" comes from lock, done.

In another case, once you see "enter lock No.", keep pressing "OK", you will see all the rooms; find out the corresponding room, press "OK"----"1 beep, green light" comes from lock, done.

10.6.3. Check door lock clock (check lock's time)

Function : Check lock's current time.

Operation : Connect the lock with appropriate line, then choose this option, press "OK", done.

10.6.4. Set door lock clock (adjust lock's time)

Function : Set the current time to the lock.

Operation: connect with lock with appropriate line, and then choose this option, press "OK", confirm the time and press "OK", done.

This is another important step for setting the lock, it is used for setting lock's time, then choose " Set door lock clock"---- "OK" ----"1 beep, green light" comes from lock, setting is successful, if you want to sure if the time has been set, you can use "check lock's time".

10.6.5. Check door lock state (check lock's battery)

Function : Check lock's current battery. Operation : Connect the lock with appropriate line, then choose this option, press "OK", it will display normal/low.

10.7. Audit trail lock's access records

10.7.1. Download lock's info (download lock's information)

Function: download the current opening record of lock to handset

Operation: connect with lock with appropriate line, then choose this option, press "OK", wait for a moment, done.

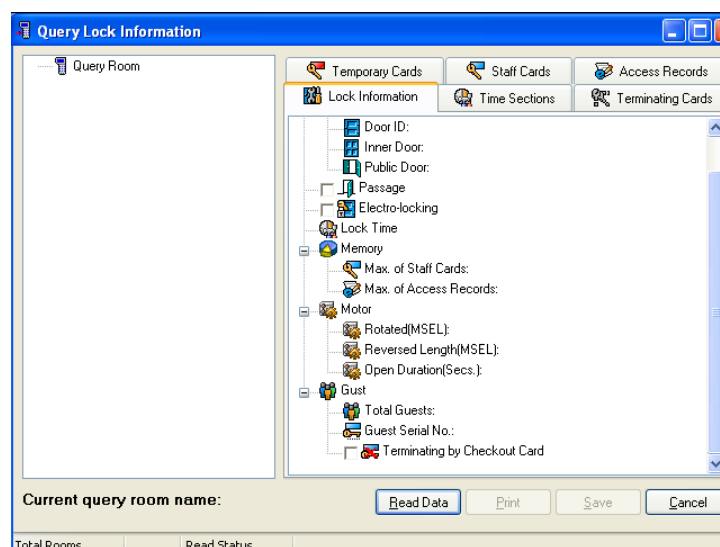
Connect the lock with handset, choose "Audit trail", and press "OK", it will take couples seconds to download the information from the lock.

After downloading the information, connect the handset with PC, and choose "communicate with PC",

Go back to the software, find out the "Handset", and choose "query information", you will see the screen as below, and the press "OK".



Press "read data"

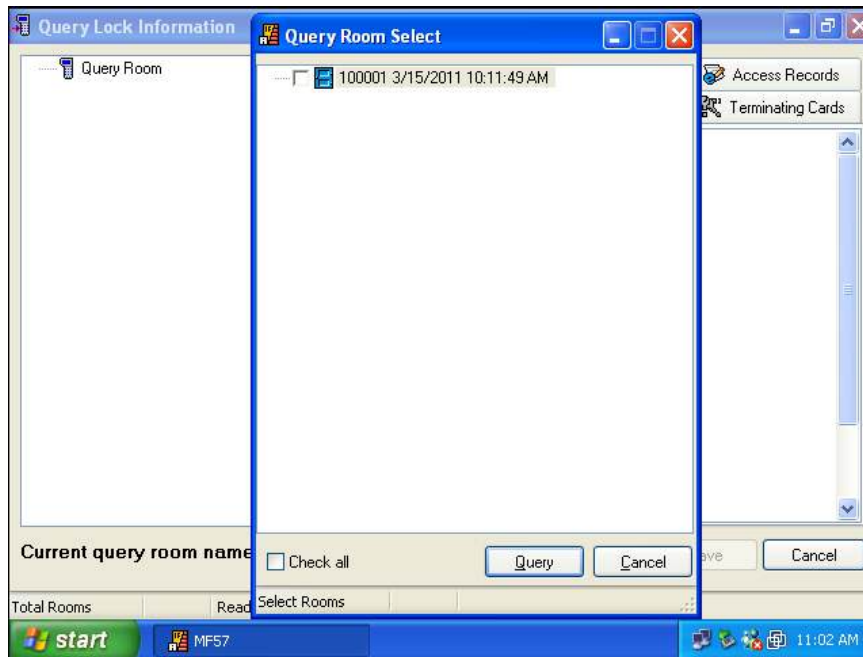


Press "Yes".

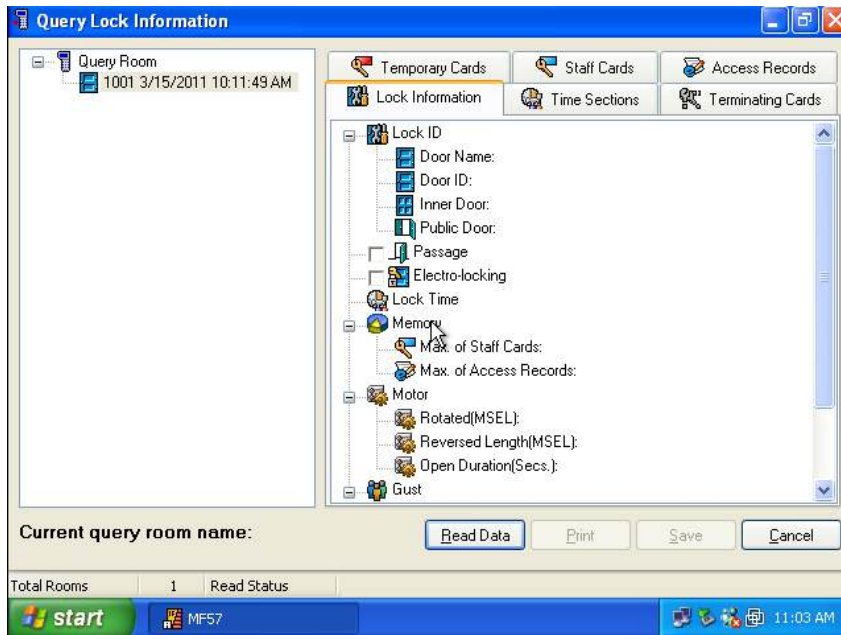


Notice: Do not move the device or load any other operation in PC when downloading the information.

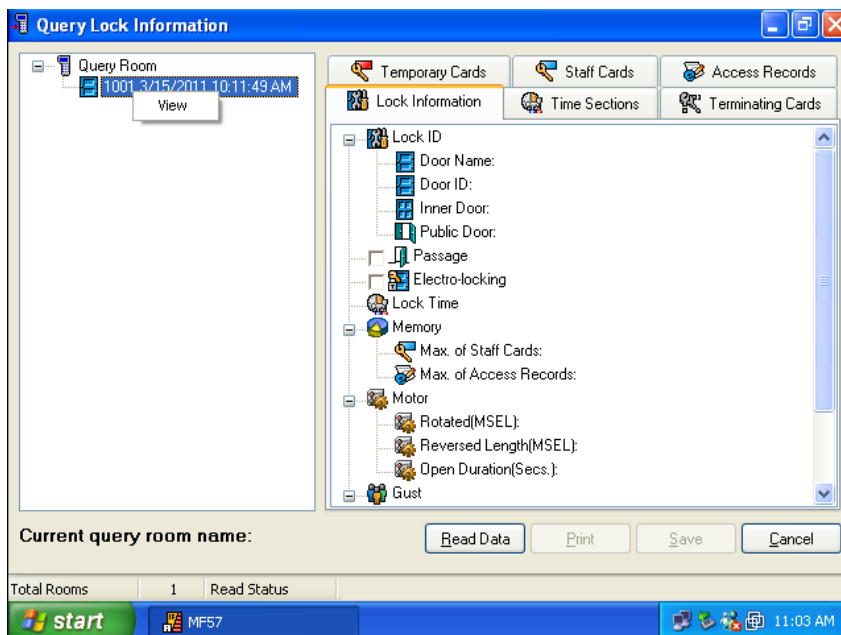
After downloading the information, you will see the screen as below, click the room you want, and then press "Query",

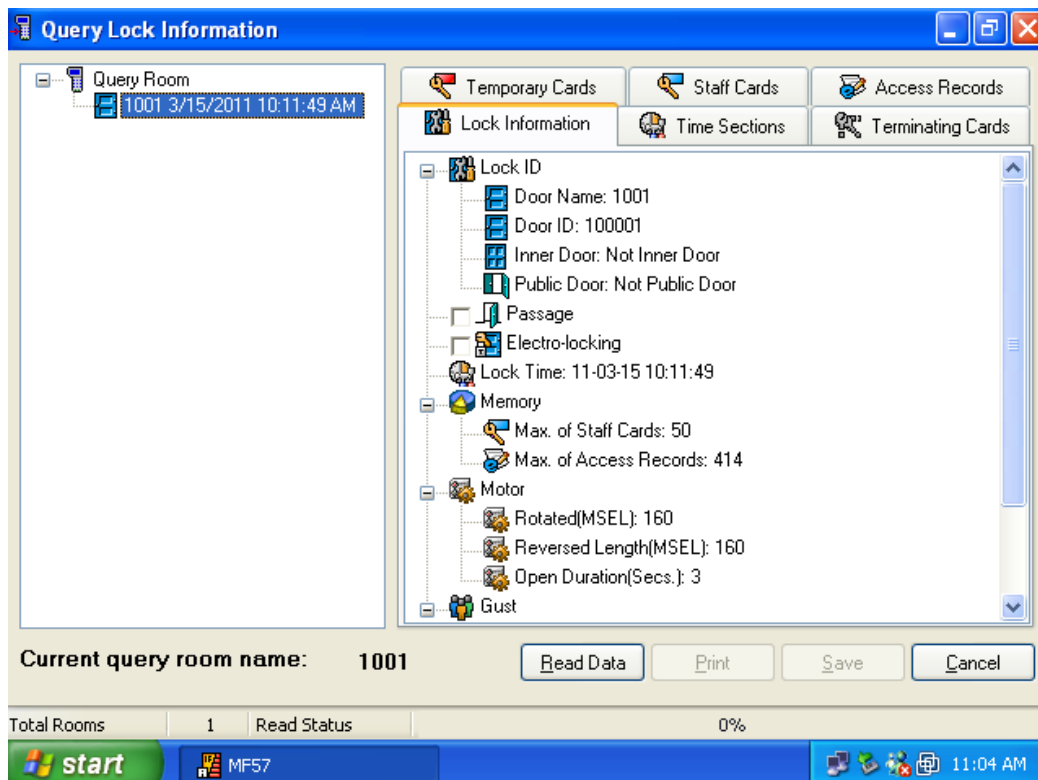


When "Read handset successfully" pops up, press "OK", you will see another screen as below,



Choose the room and right click the mouse, and you will see “view”, press “view”, finally, you can see all the information of the lock.

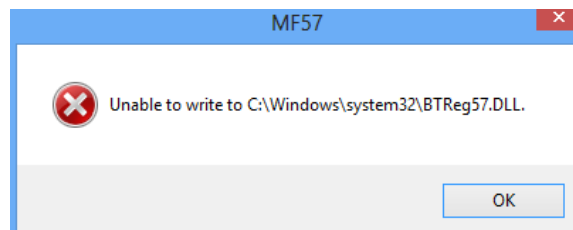




Notice: one handset can download several locks' information. But need to view the information one by one.

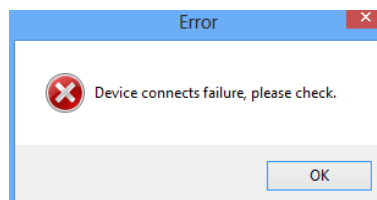
11. Trouble and Shooting

11.1. Run software error



Solution: Close the UAC following "2. Before software installation"

11.2. Encoder is not working



Solution: Check if the driver is installed

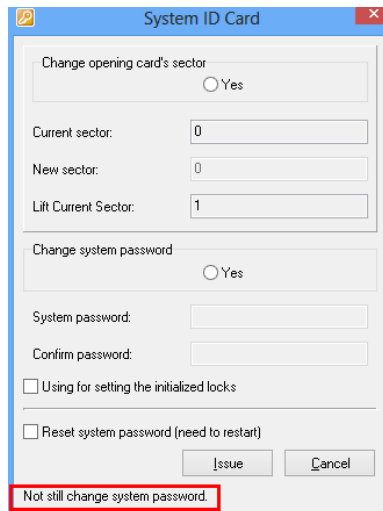
Check if the card is put on the encoder

Check if the ecoder model is correct

11.3. illegal card error



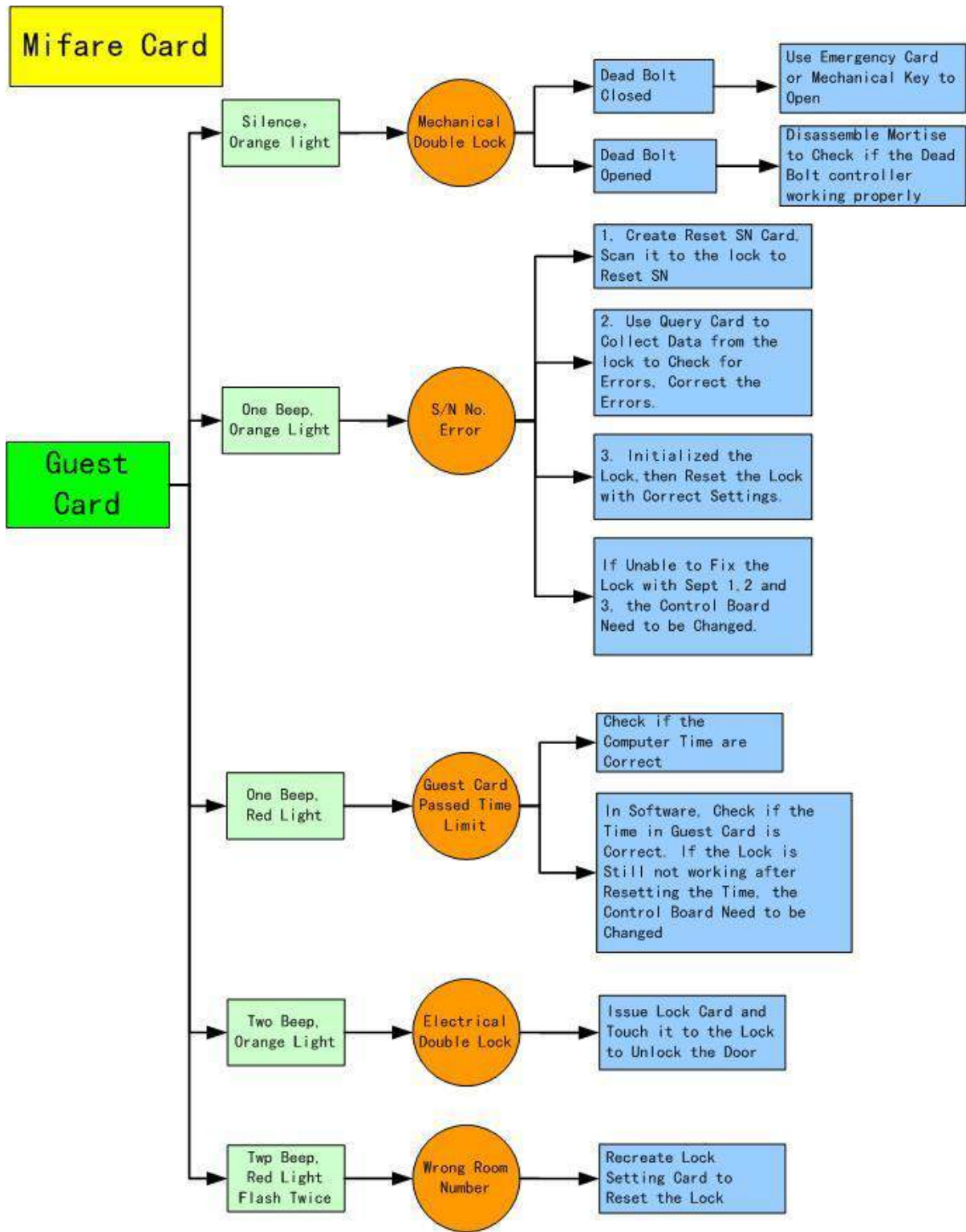
Reason: The card's system ID is different from software's. Check if the software is changed system ID. If the software is not changed system ID (as below), the card is ever changed system ID. In this case, you have to use another new cards.



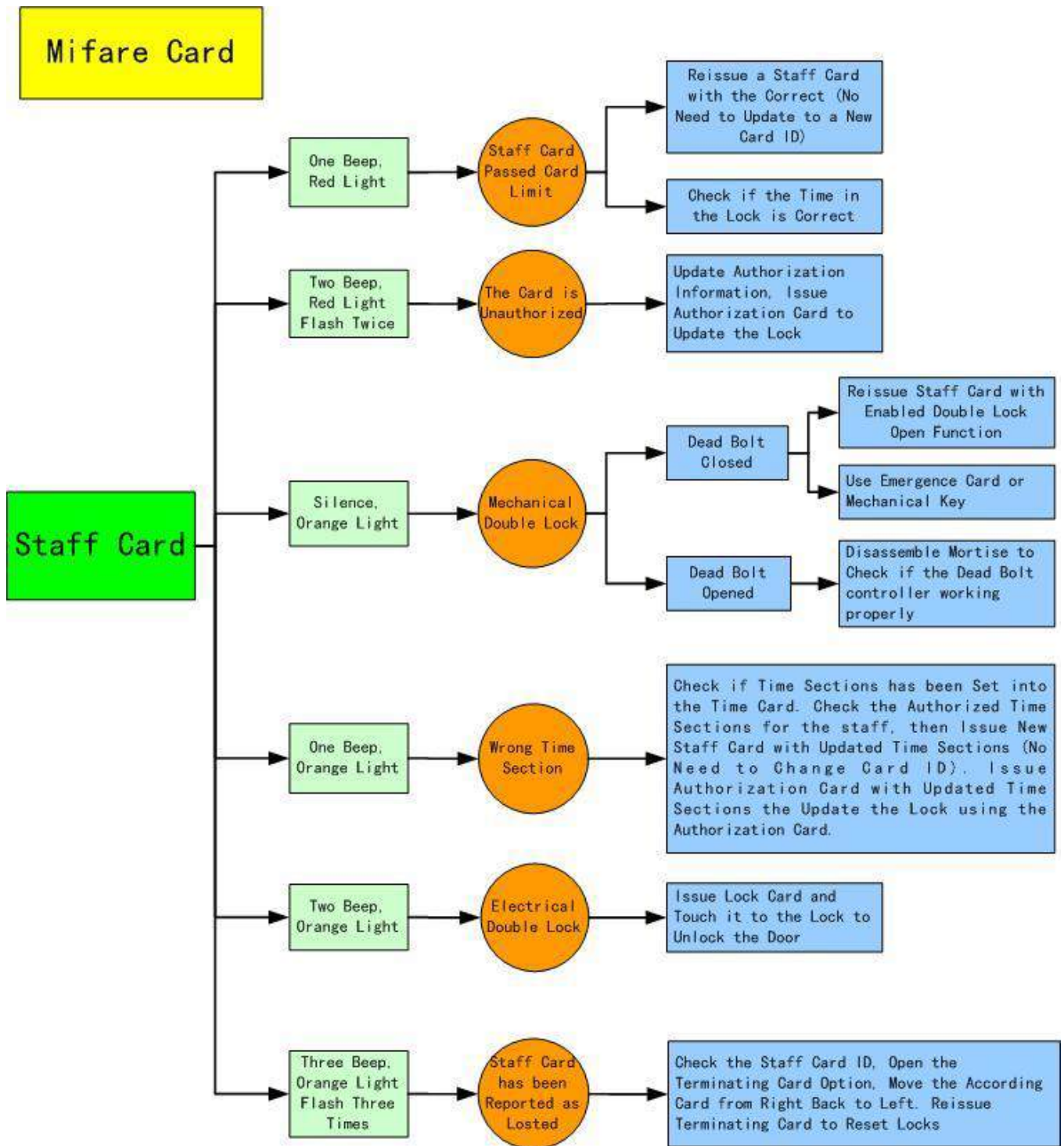
12. Emergency solution for lock

There are error indications for our lock; different sound and different light are indicating different errors.

12.1. Frequently errors and Trouble Shooting Guide for Guest Card

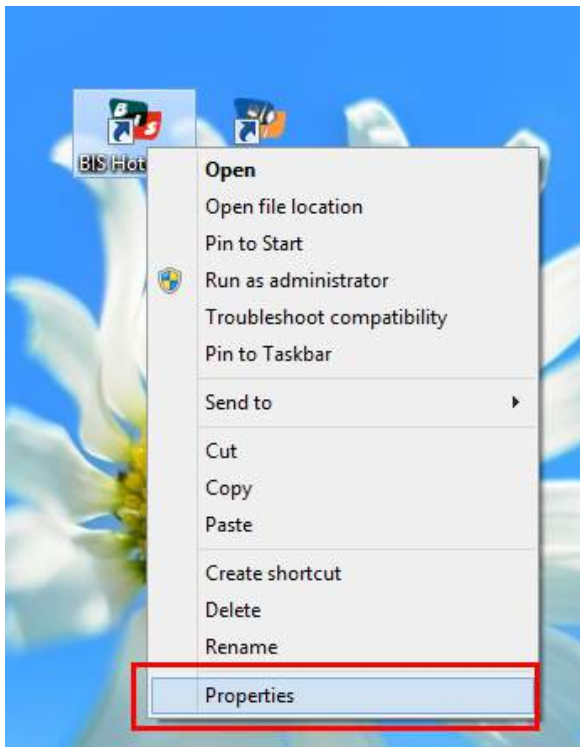


12.2. Frequently errors and Trouble Shooting Guide for staff Card

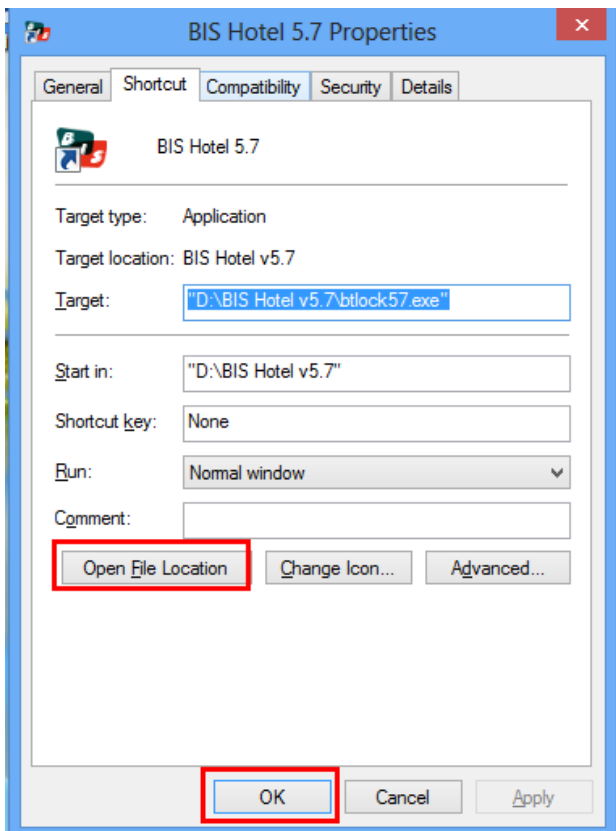


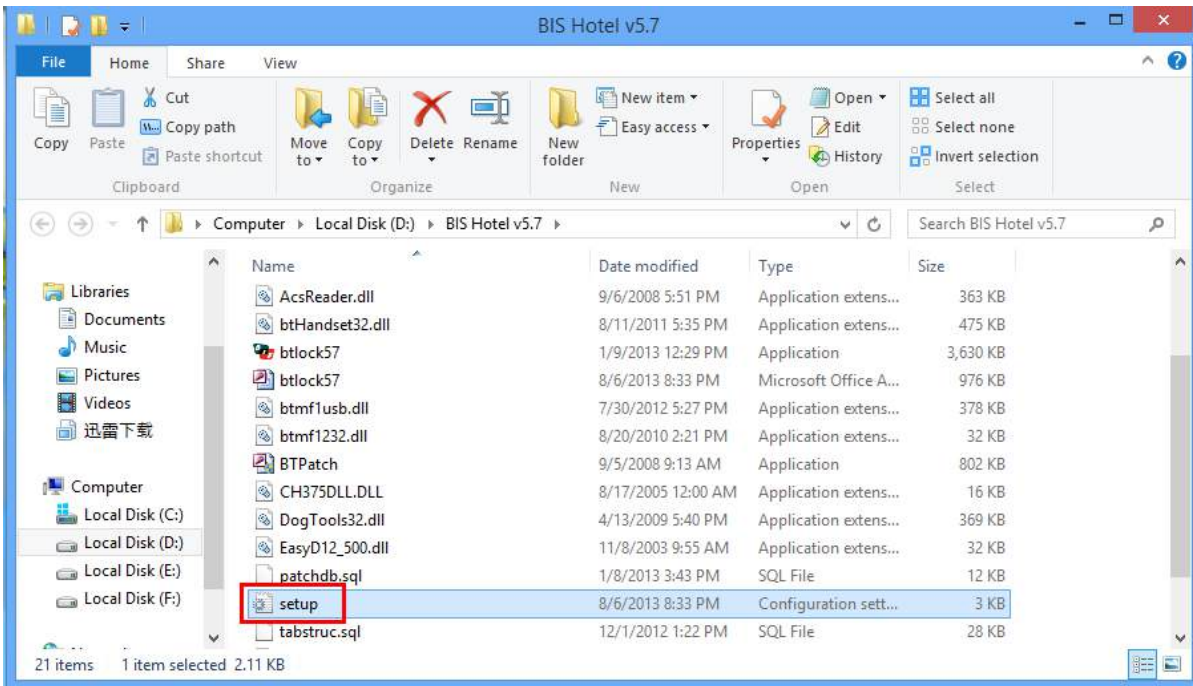
13. Database type selection

When you login to the software, wrong database type is selected, in that case, follow the instructions as below to re-select the database.



Right click the Icon.





Delete "setup", and re-run the software, you will see the database selection.

13.1. Forget the operator password

13.1.1. Solution 1

Please send to us the database, and we will get it for you.

13.1.2. Solution 2

Open the database, find out "Operator", delete the operators inside the table, and re-create the operator.

13.2. Forget the system ID that ever set

Please send the database to us via e-mail with a compressed file, eSSL will give you respond soon

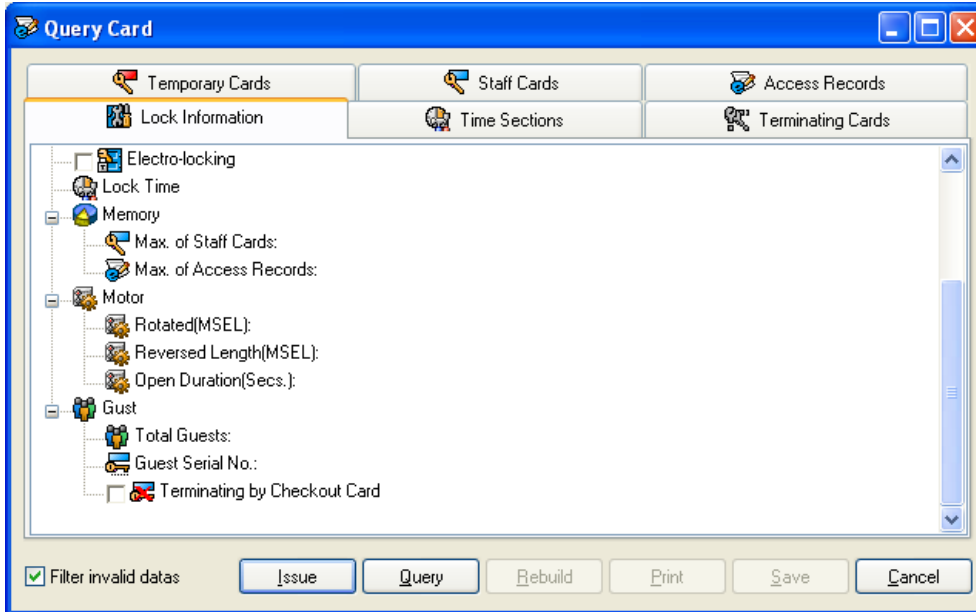
13.3. Audit trail lock's information

Each door lock maximum can keep 414 opening records. If opening exceed 414 record then it will automatically renew the latest record.

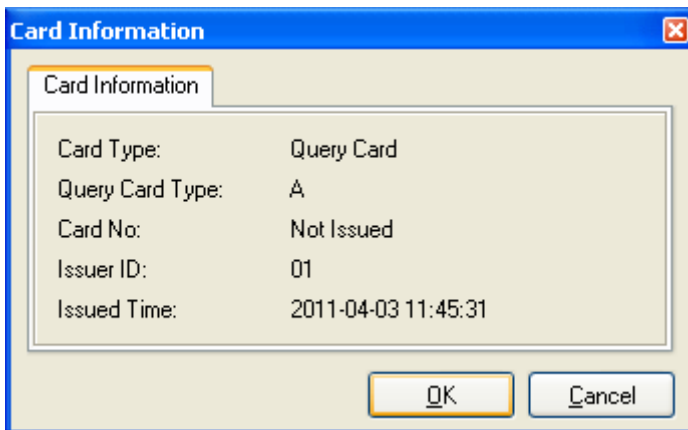
13.3.1. Audit trail with Query card (S70)

13.3.1.1. Issue query card

There are total 3 cards need to be issue, because only one card is not large enough capacity to contain all information of lock.



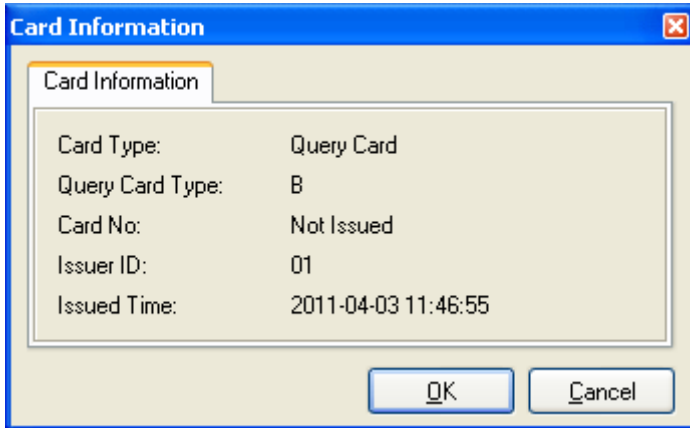
Click "Issue"



Click "OK",



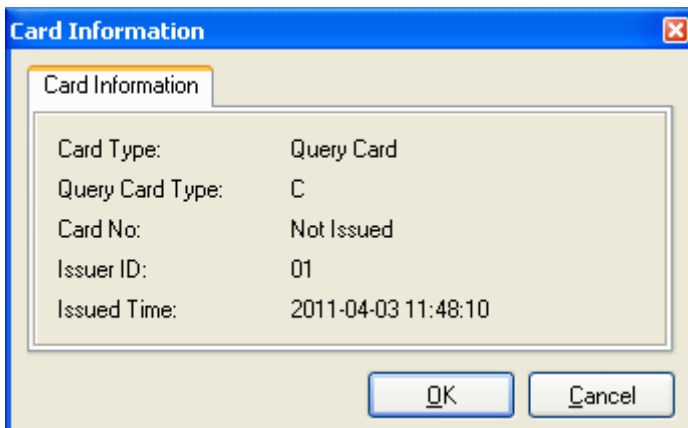
Click "OK", in about 1 min



Click "OK",



Click "OK", in about 1 min



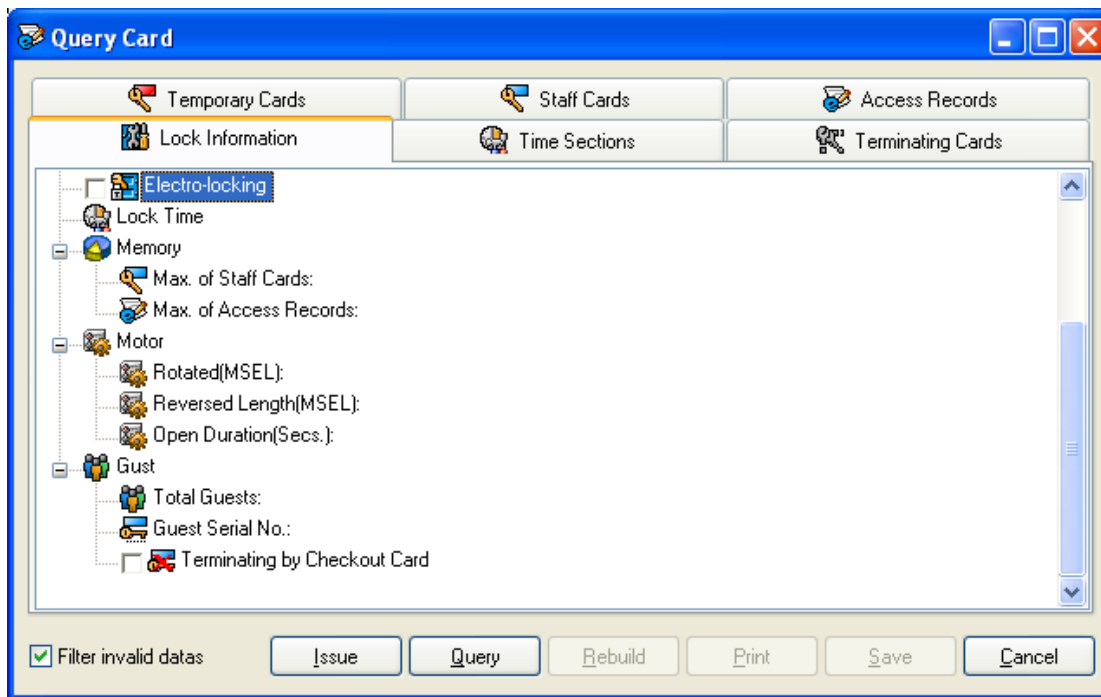
Click "OK"



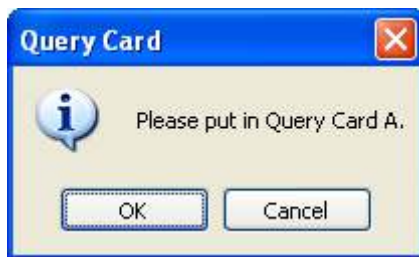
Click "OK", in about 1 min

Take the three cards from A to C to scan the lock. The lock will be "1 beep, green light" after scanning the lock meaning read data successfully. However one of them is fail, please re-try again.

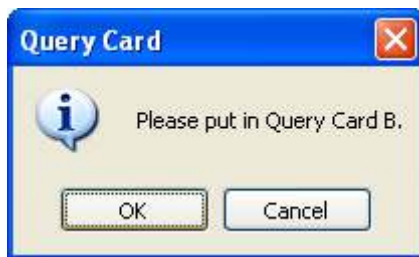
13.3.1.2. Read query card



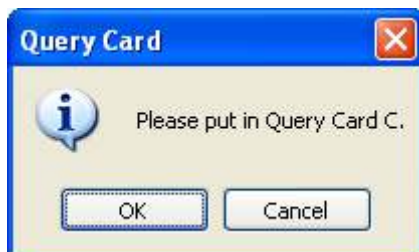
Click "Query"



Click "OK"

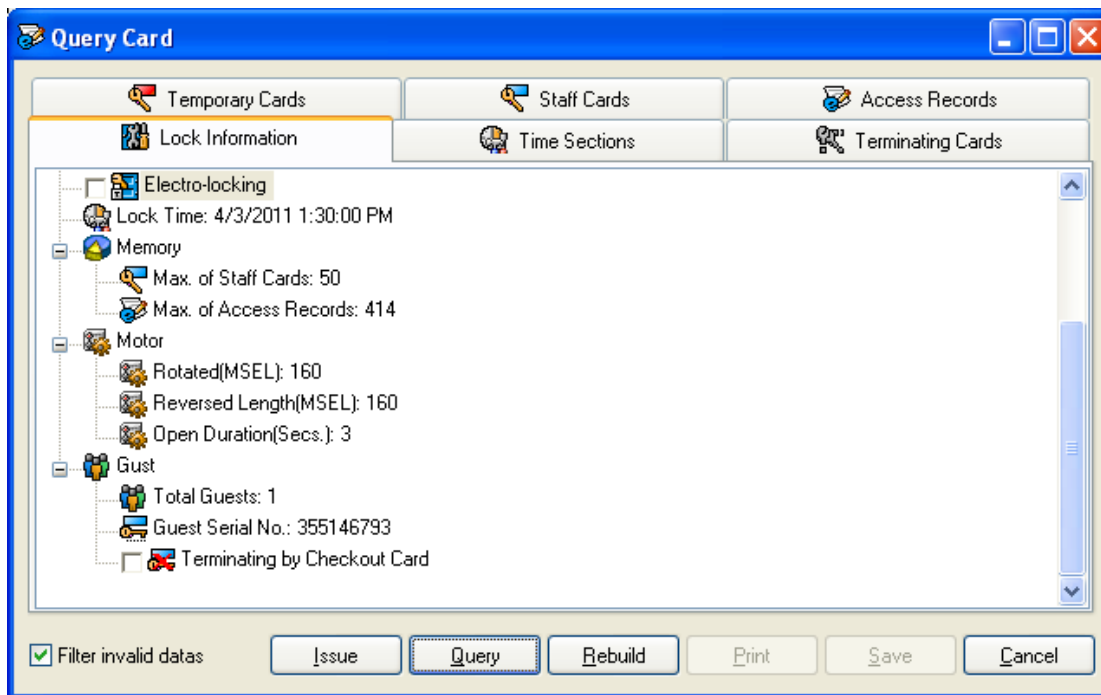


Click "OK"

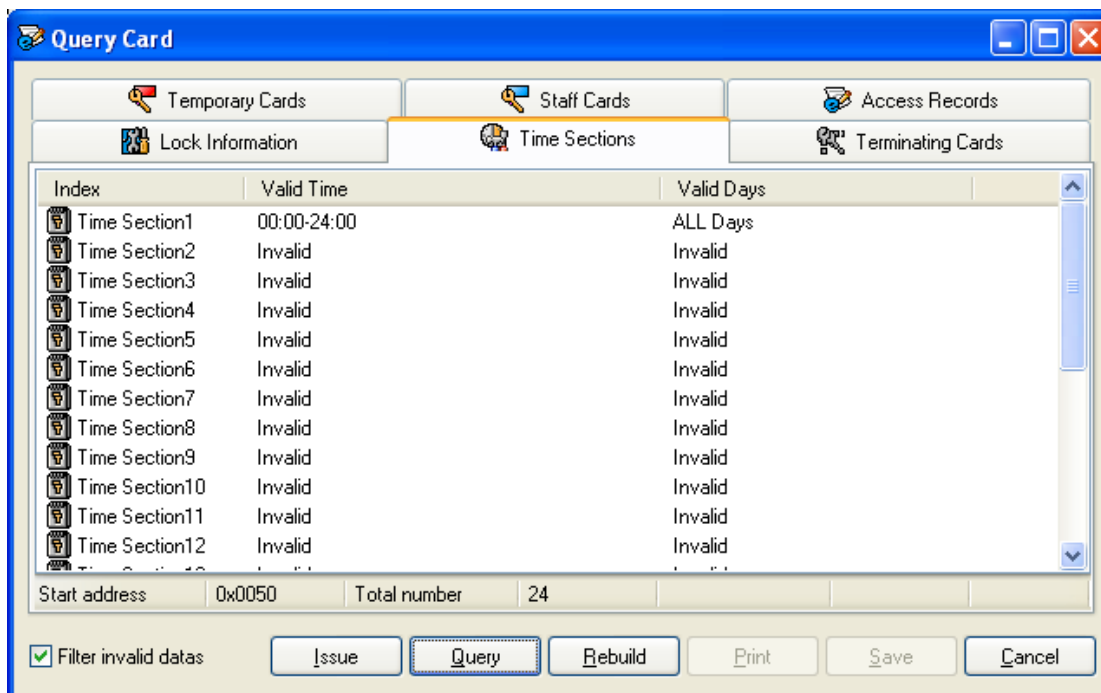


Click "OK"

Note: If one of them can't be read, the audit trail is unsuccessful. In that case, please re-try again.



You will see the six pieces information as below,



Query Card

Temporary Cards Staff Cards Access Records

Lock Information Time Sections Terminating Cards

Card No	Holder Name	Holder Name

Start address: 0x01D0 Active pointer: 0x01D0 Max number: 76 Total number: 0

Filter invalid datas Issue **Query** Rebuild Print Save Cancel

Query Card

Lock Information Time Sections Terminating Cards

Temporary Cards Staff Cards Access Records

Card Type	Acc...	Card No	Holder Name	Access Time	Issuer Code	Iss
Staff Card	52	354986714	0003	4/3/2011 11:56:47 AM	01	4/3
Staff Card	51	354986714	0003	4/3/2011 11:56:43 AM	01	4/3
Staff Card	50	354986714	0003	4/3/2011 11:56:39 AM	01	4/3
Staff Card	49	354986714	0003	4/3/2011 11:56:34 AM	01	4/3
Staff Card	48	354986714	0003	4/3/2011 11:56:30 AM	01	4/3
Staff Card	47	354986714	0003	4/3/2011 11:56:26 AM	01	4/3
Staff Card	46	354986714	0003	4/3/2011 11:56:21 AM	01	4/3
Staff Card	45	354986714	0003	4/3/2011 11:56:17 AM	01	4/3
Staff Card	44	354986714	0003	4/3/2011 11:56:13 AM	01	4/3
Staff Card	43	354986714	0003	4/3/2011 11:56:08 AM	01	4/3
Staff Card	42	354986714	0003	4/3/2011 11:56:04 AM	01	4/3

Start address: 0x0620 Terminating address: 0x2000 Active pointer: 0x0960 Max number: 414

Filter invalid datas Issue **Query** Rebuild Print Save Cancel

Query Card

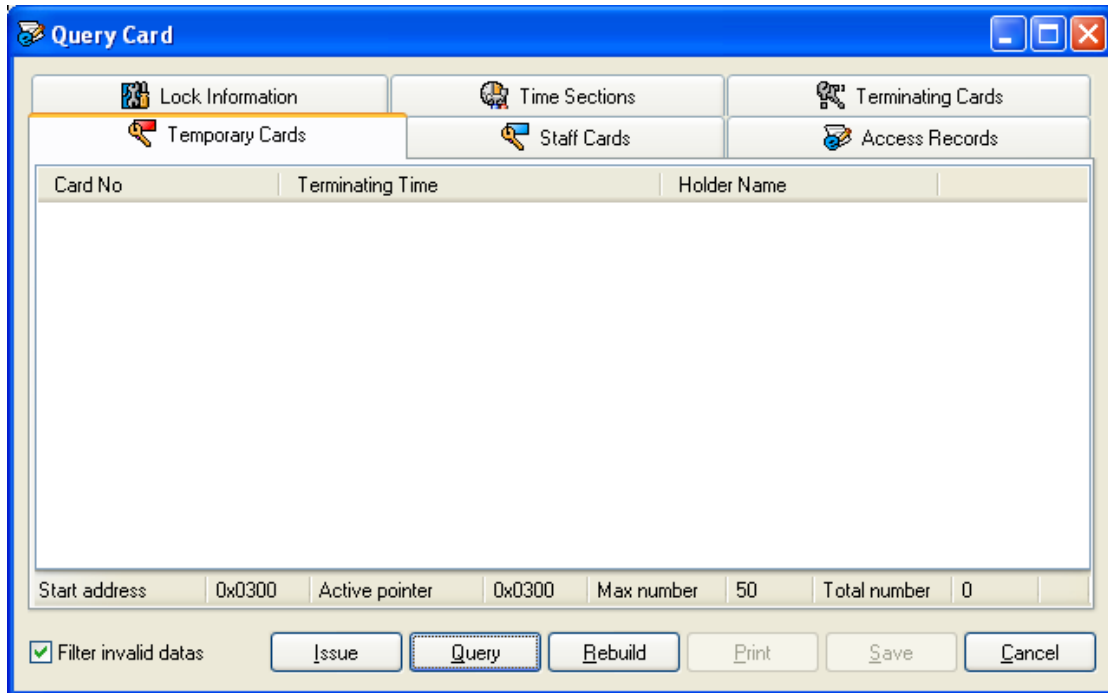
Lock Information Time Sections Terminating Cards

Temporary Cards Staff Cards Access Records

Card No	Holder No	Time Section	Holder Name
354986640	7	Time Section1	0002
354986714	8	Time Section1	0003

Start address: 0x0490 Active pointer: 0x04A0 Max number: 50 Total number: 2

Filter invalid datas Issue **Query** Rebuild Print Save Cancel



13.3.2. Audit trail with Hand held

Please find out “10. Hand Held Unit—10.7 Audit trail lock’s access records”

13.4. For a lost key card

13.4.1. Guest card

Just check out the room, and issue a new guest card to open the door, the lost one is canceled.

13.4.2. Staff card

- **Solution 1**

Re-issue a staff card by update card number to open the doors, the lost one is canceled

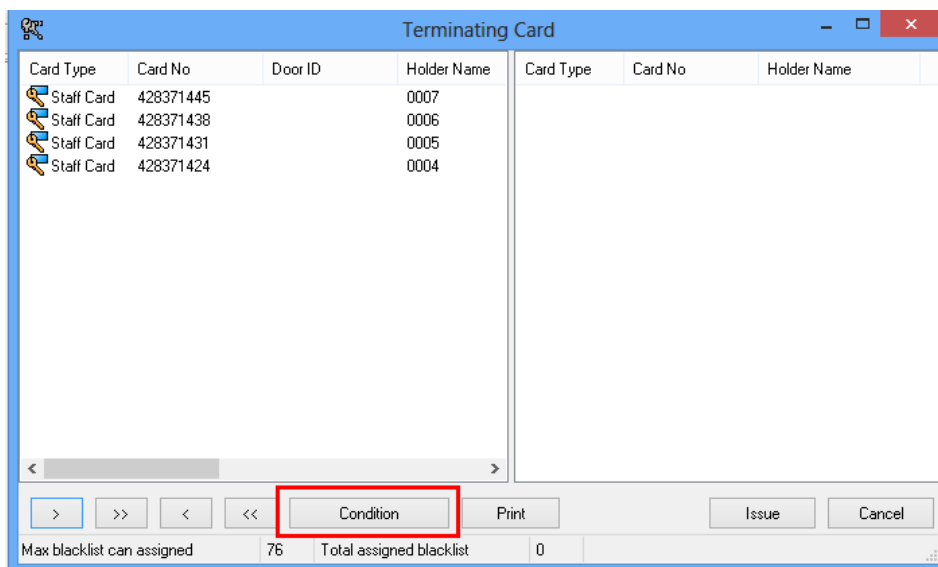
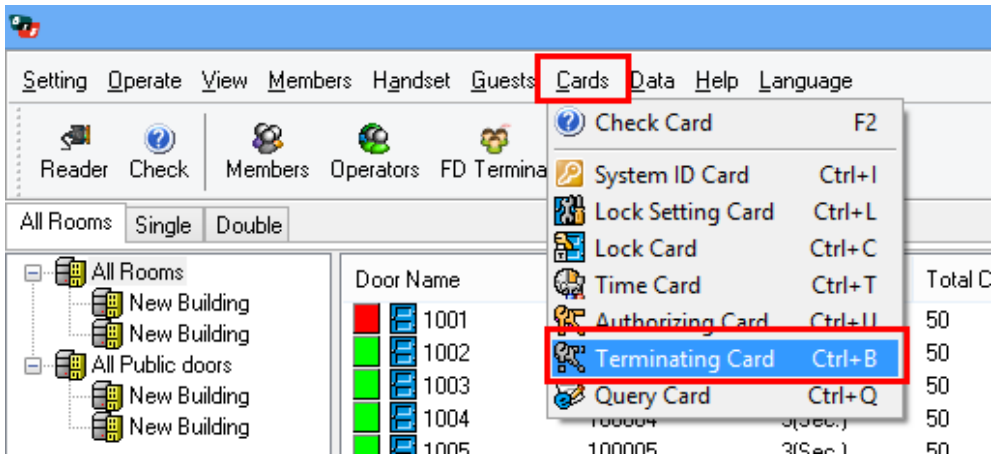
- **Solution 2**

Re-issue a staff card by update card number to open the doors, if the card can’t open the door, you need to authorize again.

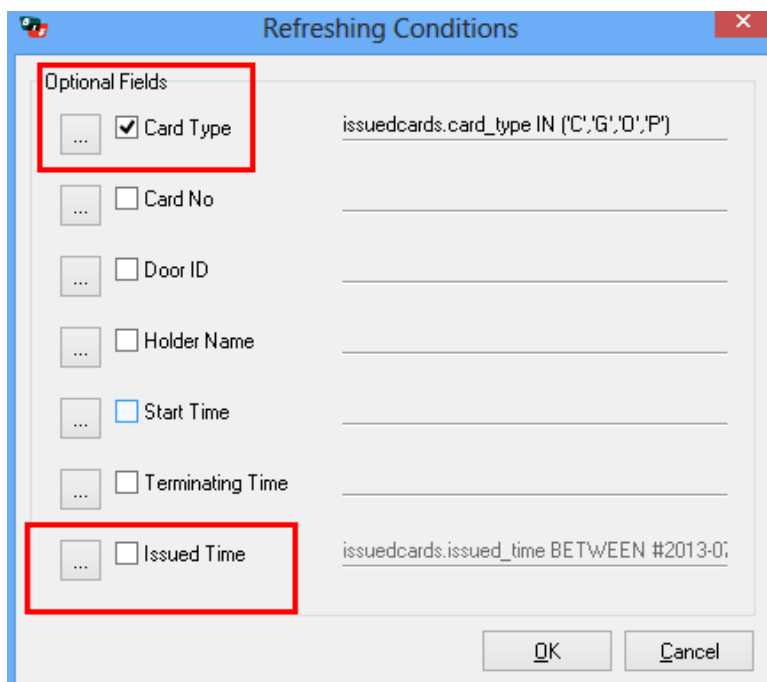
13.4.3. Emergency card

Terminating card (S70 card) or hand held is required

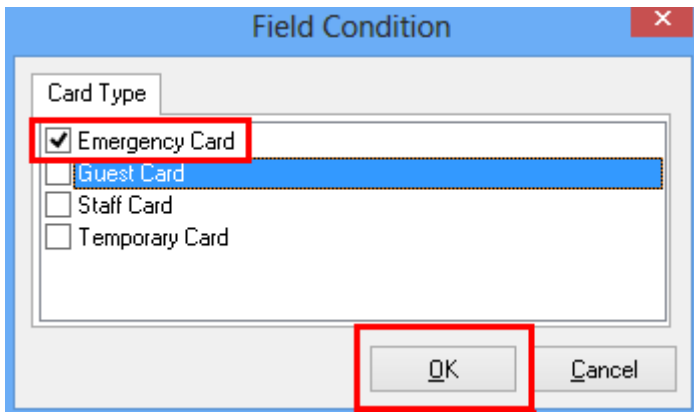
● Terminating card (S70)



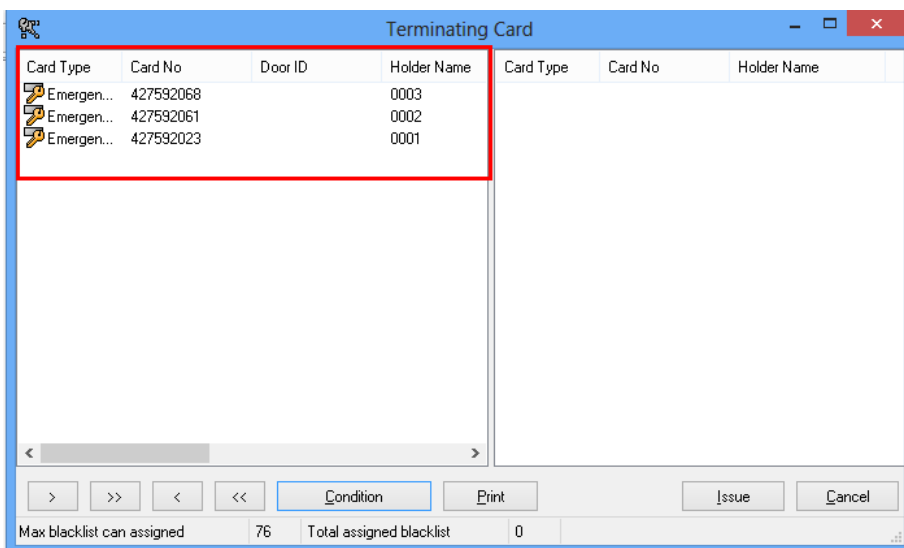
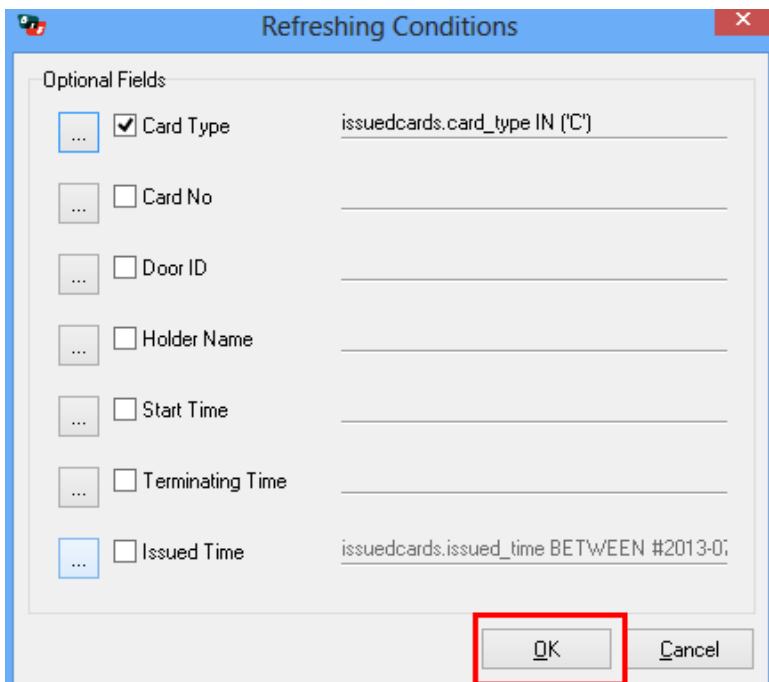
Find out the card that lost



Do not click "Issued Time"



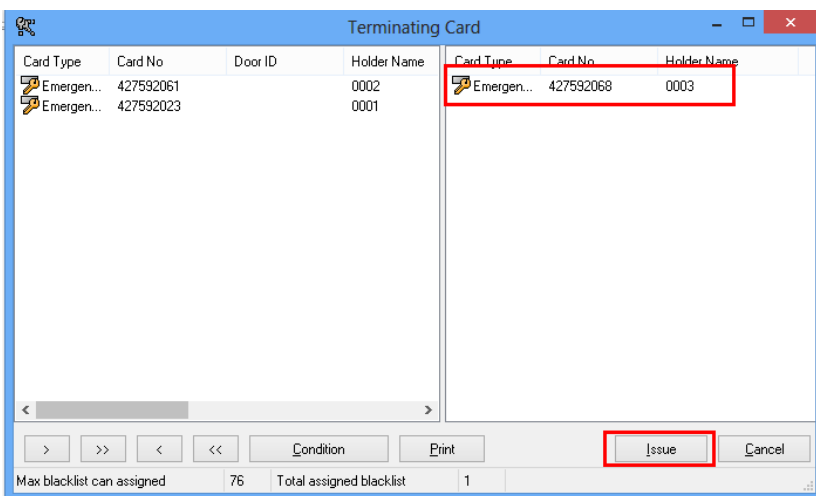
Just click "Emergency card"



You will see the emergency cards that you ever issued.



Select the lost emergency card make it to the left window



Put a S70 card on the encoder, click "Issue".
Scan all of rooms with this Terminating card after issuing; the lock emits 1 beep and green light, operation is successful, the lost card cannot open the lock any more.

- **With Hand held**

Please find out "Black list setting" in Hand held.

Note: if you lost a key card, you want to stop it from opening the lock with hand held; you have to re-write the lock's information because the black list setting is changed, and then setup lock's information again.

13.5. Low voltage alarm

If you hear 8 beeps and green light when you open the lock, which means low voltage alarm, replacing the batteries is necessary.

13.6. Door Ajar alarm

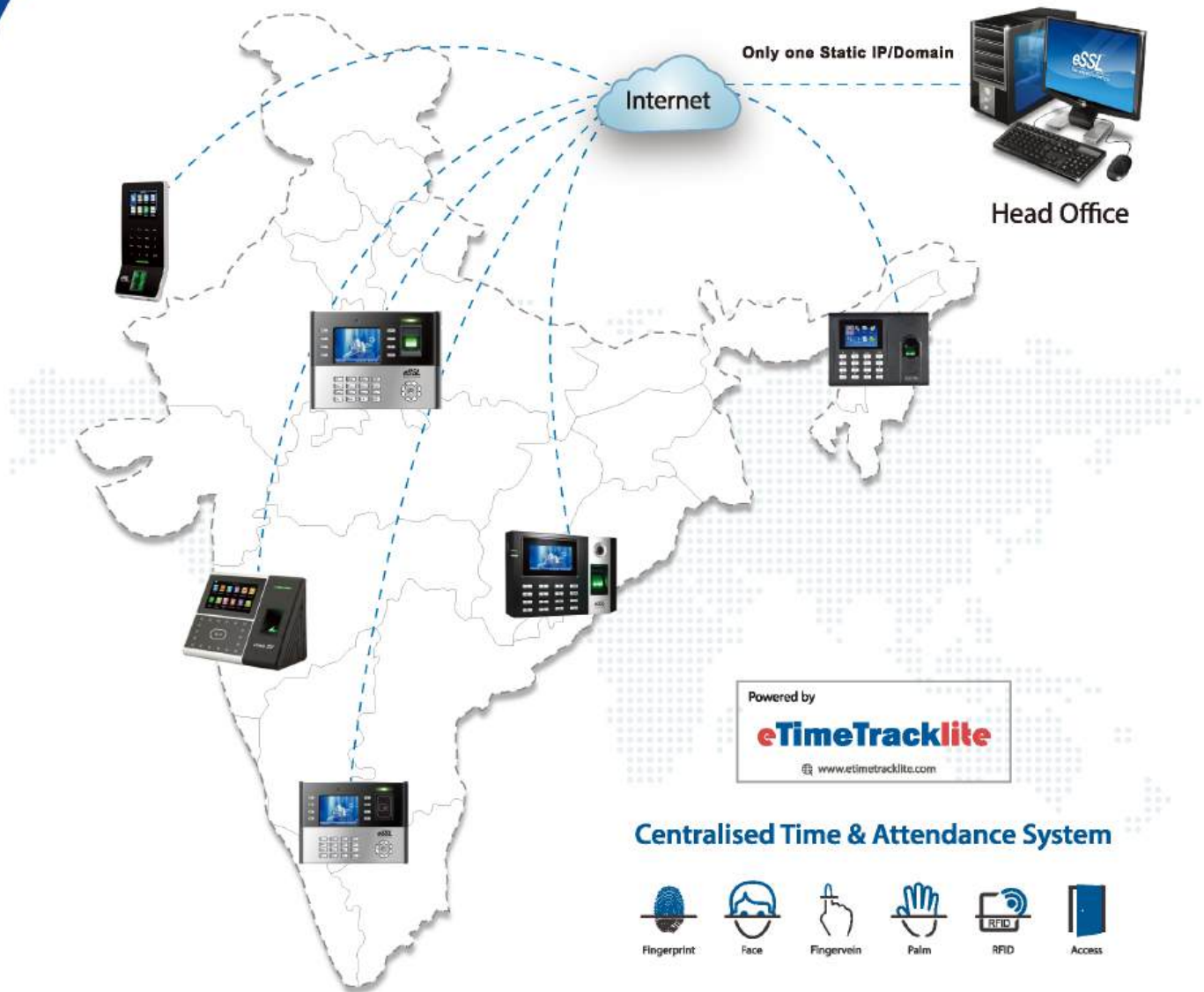
- **Condition 1**

If you hear "beep, beep, beep", "beep, beep, beep"..... and red light, when you close the door, because the door is not close properly.

- **Condition 2**

If you hear "beep, beep, beep", "beep, beep, beep"..... and red light, whenever closing or opening status, please have a checklist with latch sensor inside lock case or replace another lock case.

Manage Time & Attendance for all your Branches from Head Office



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Enterprise Software Solutions Lab Pvt. Ltd. (Corporate-Office)

#24, 23rd main, Shambhavi Building, J P nagar 2nd phase, Bengaluru - 560078

www.esslsecurity.com | sales@esslsecurity.com | Ph : 91-8026090500