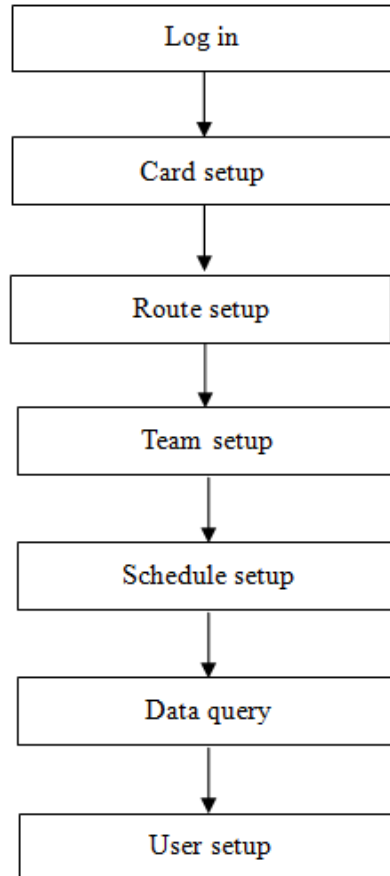


## User manual of Patrol V6.0 (FINGERPRINT Model Use)

### I . Software instruction



## Catalog

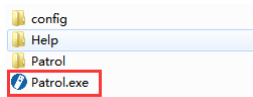
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## II. Attention

- Please run this software at Windows XP SP3 and above operation system . No need to install any any plug-ins additionally .
- Suggest not put software package under **C DISK .**
- Suggest to open “Auto data backup” srttings .
- Desktop shortcut will be generated once you run the software after installation , you can click desktop icon to run software when next time use.

## III. Software operation

### 1. Log in



Double click “PatrolCS.exe” , go to log in interface .The original user name is “admin”, default password is “123”.

V 6.1.36(S)

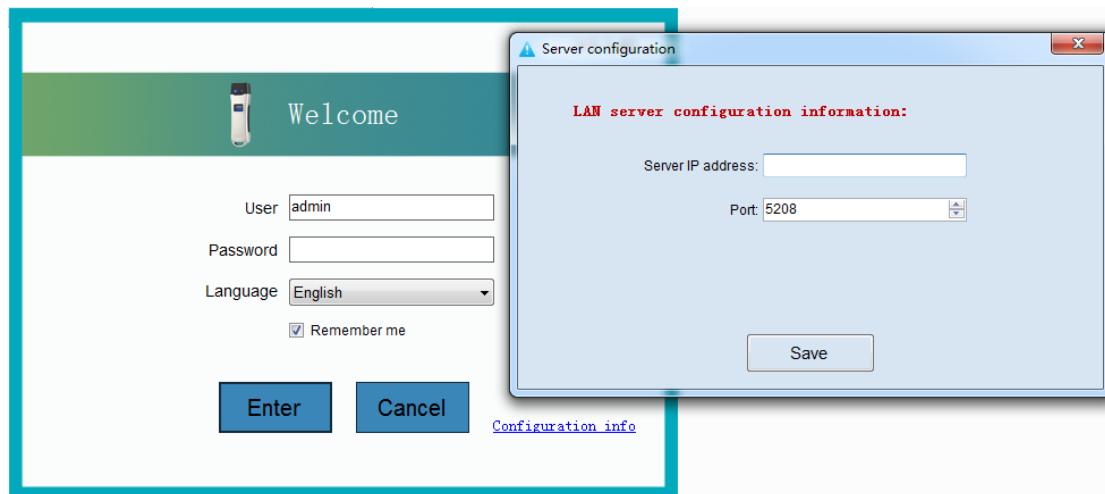
Welcome

User

Password

Language

☒ Remember me

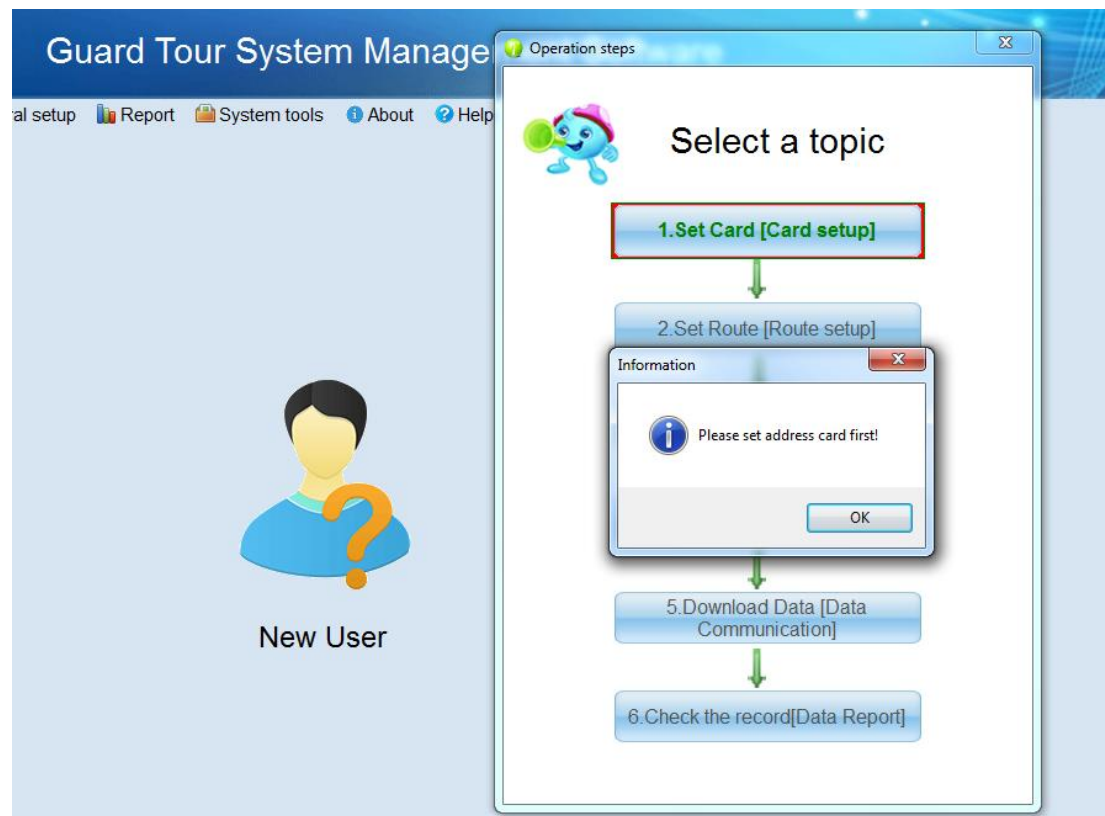


**NOTICE :** IF YOUR SOFTWARE IS LAN USE/CS VERSION, you have to configurate database settings first , please refer to document “DATABASE SETTINGS PLEASE READ ME FIRST!!!.pdf” .And the software login interface is as below :



## 2. New User

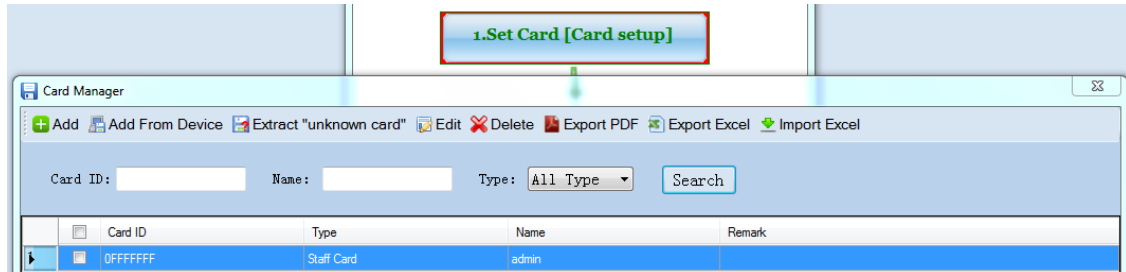
➤ When you go to Home page at the first time, system will automatically guide you to **Newer guide** page, it will ask you to set card first “Please set address card first !”, click this button to go to [Card setup] page, this prompt will disappear only if you finish card setting work at this page .

**Note :** This is to be sure the most important settings in software had been done in advance in case you have to back to this page for setting and save much your time .



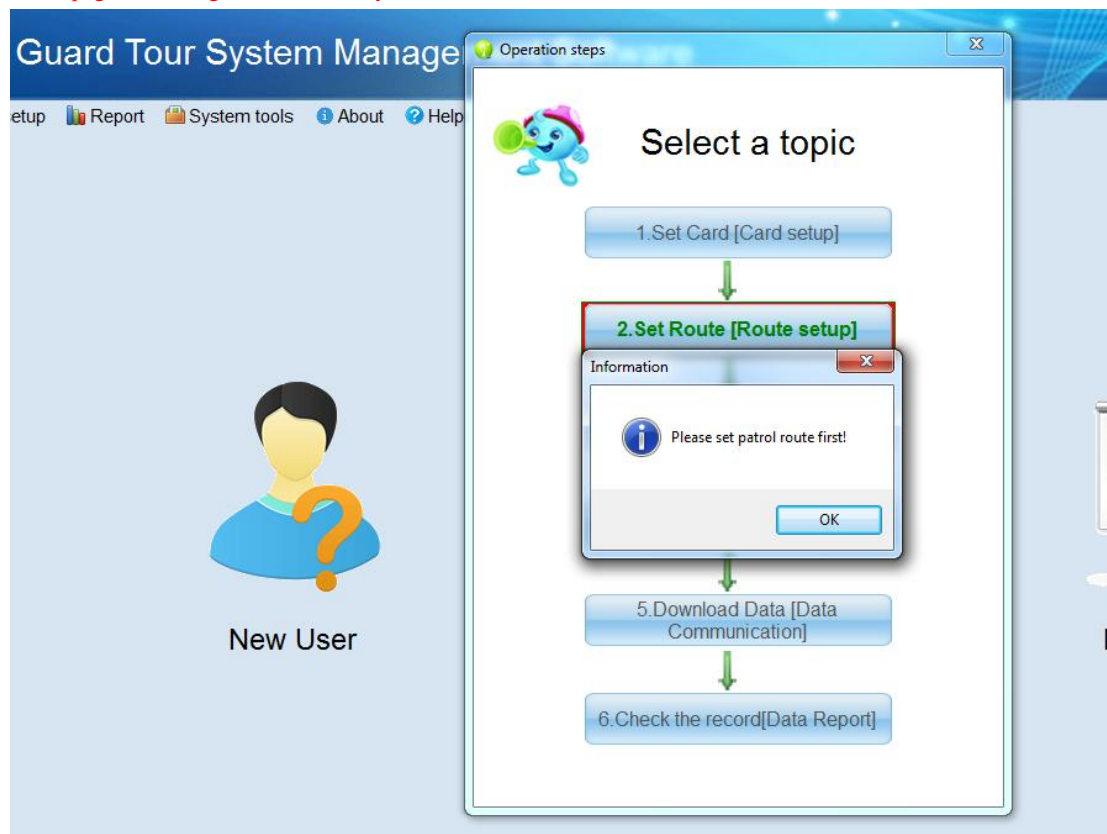
Click “ 1. Set Card [Card setup]”to go to **Card Manger** for card settings page.

You can click “Add”  to add several card manually for testing . If there are card scanned and stored in patrol device , you can click “Add from device ”  to add in batches .

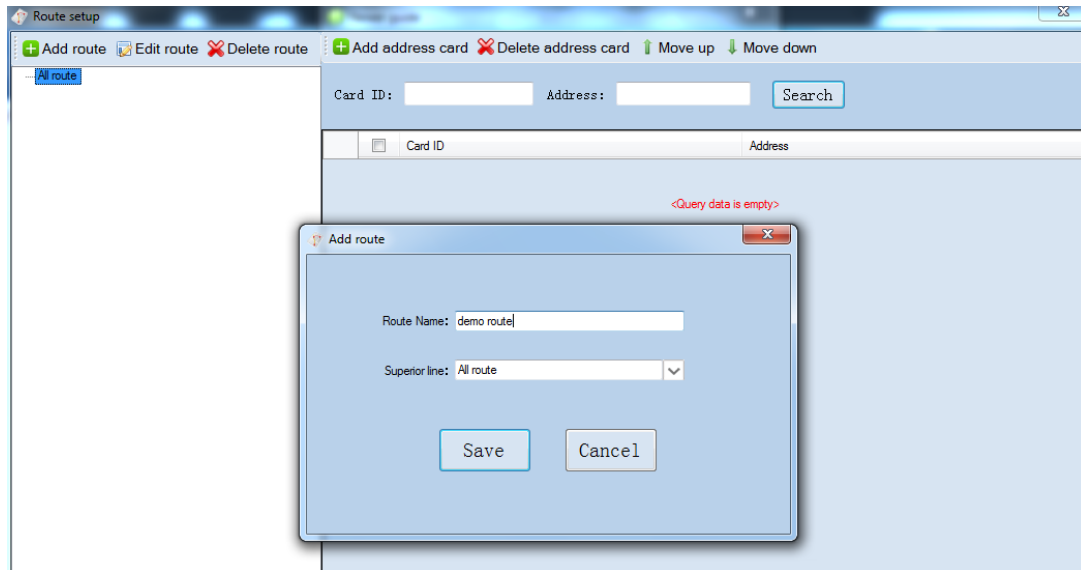


When you finish card adding work , software will guide you to “route manager ” settings . Click this button to go to [Route setup] page, this prompt will disappear only if you finish route settings at this page .

**Note :** This is to be sure the most important settings in software had been done in advance in case you have to back to this page for setting and save much your time .



Click “Set Route [Route setup]” to go to route setup page.



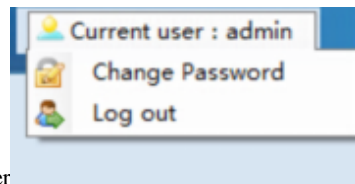
After you finish card settings and route settings ,then you can do other settings or go to other interface. You can follow the steps with the order in “Newer guide” to finish all software operation .



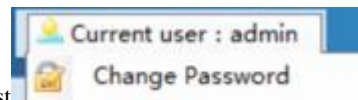
- Card setup : You can set card information (check point , staff ID card , event card )here .
- Route setup : You can set route information here (arrange check point to related patrol route )
- Team setup: You can assign staff to related patrol team .
- Schedule setup: Set patrol plan here
- Download data : You can download data via this interface
- Data report : You can check all data report here

### 3. LOGO title

- Show logo and name



- Show current user



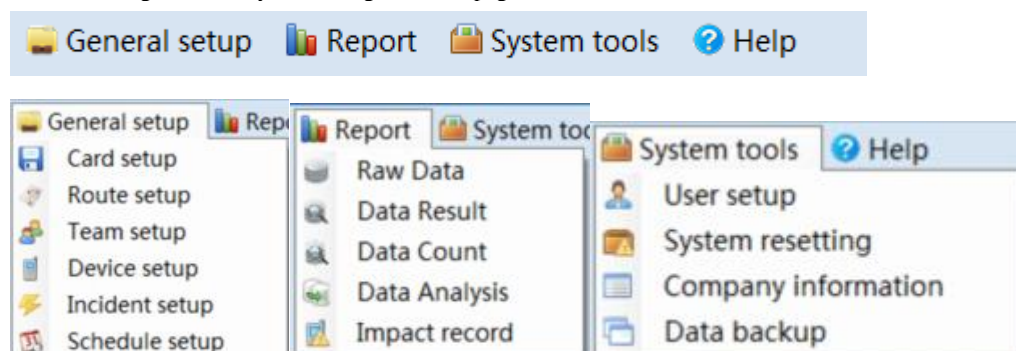
- You can change password from pull-down list
- Type in password (old one) -> type in new password ,confirm password-> save ,finished

A "Change Password" dialog box is shown. It has three text input fields: "The old password:" with "\*\*\*\*\*", "The new password:" with "\*\*\*\*\*", and "Confirm password:" with "\*\*\*\*\*". At the bottom are two buttons: "Save" and "Cancel".

- Click user current user name ,you will see log out page. If click" log out" , interface will back to log in page .

#### 4. Navigation bar

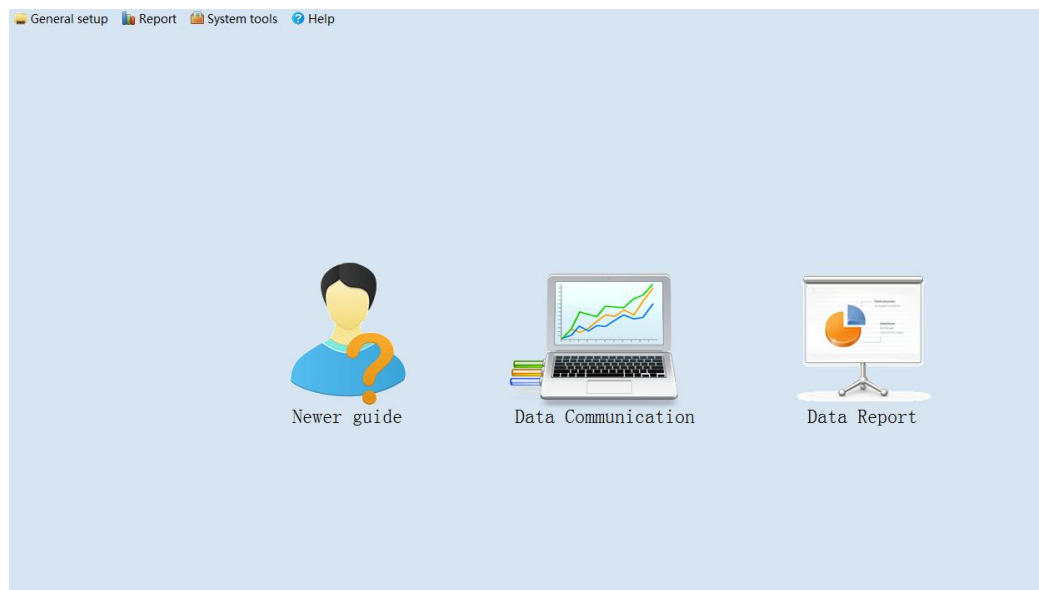
- Click navigation bar, system will go to these page



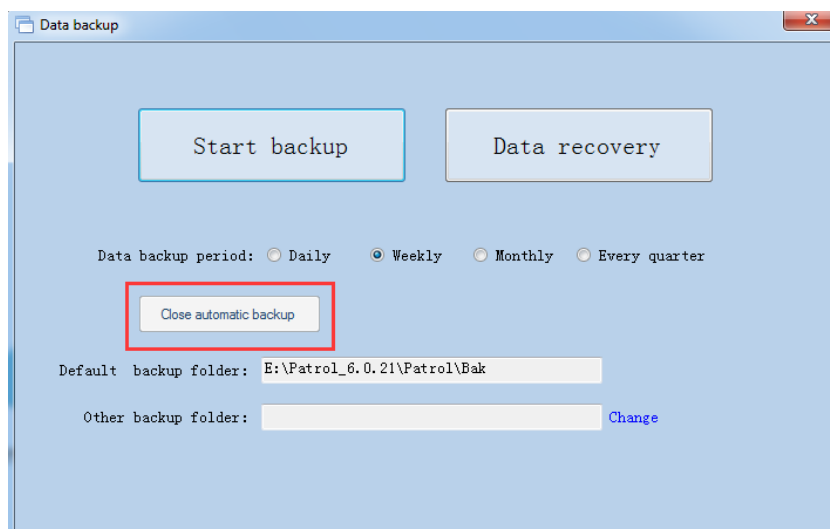
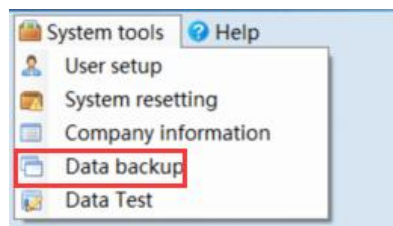
#### 5. Home page display

- Newer guide: General setup steps

- Data communication : Go to Communication Program
- Data report : Query all data and report



Notice : When you log in software at the first time, system will default open database backup, you can close auto-backup manually at “Data base” page manually (as below picture ), then software home page will suggest you to open automatic backup every time when you go to home page.



## 6. Data communication

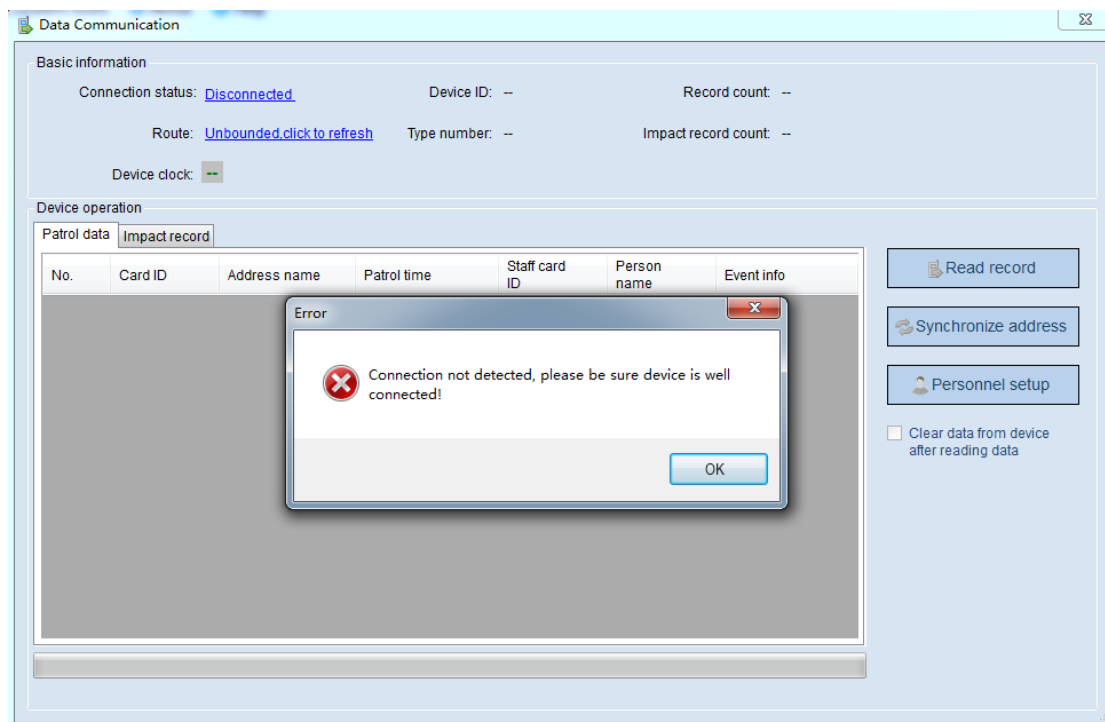
1. Click data communication , you can download data here.



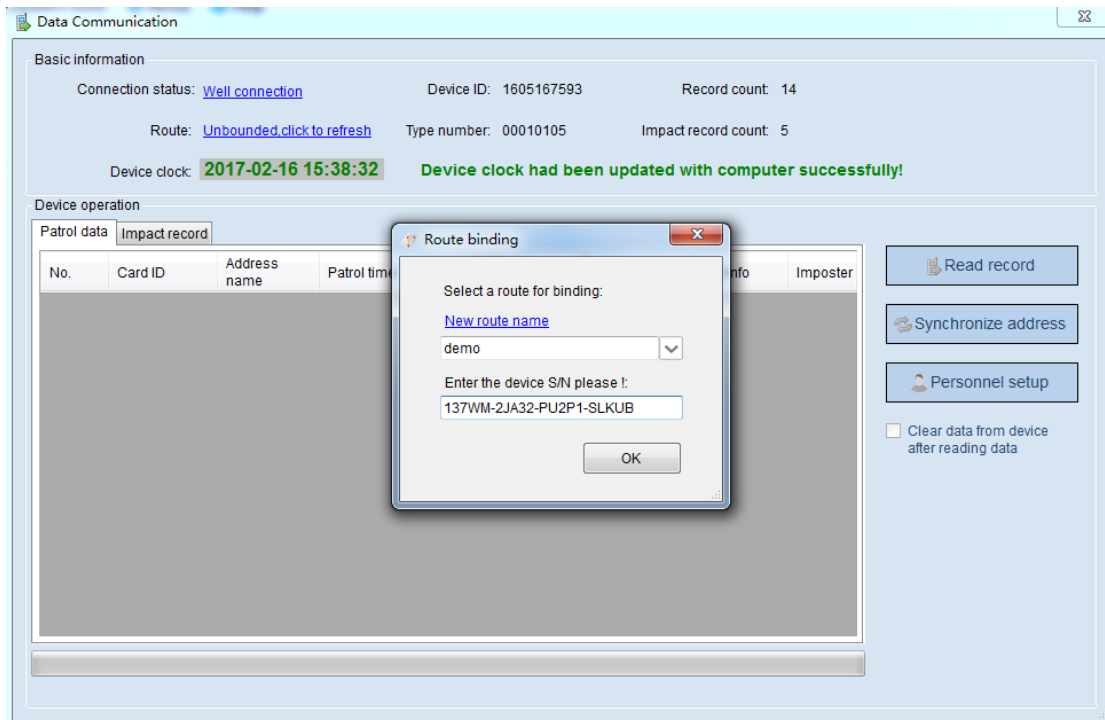


## 2.Communication page

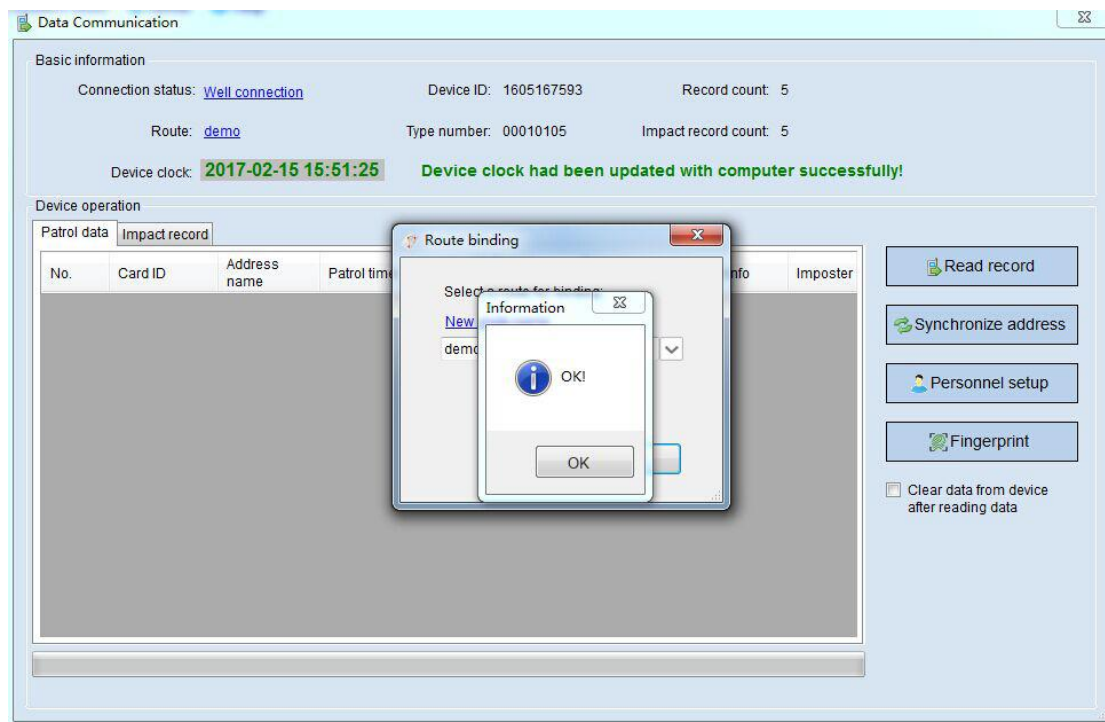
If software not detect patrol device , system will prompt “ Connection not detected , please be sure device is well connected !”, please connect device well with computer for communication .



- When the patrol device connect with software at the first time , software will ask you to bind patrol device to software . Please select a patrol route to bind patrol device to and enter device S/N no. (Device S/N no. is offered by your product supplier , you can find which pasted on device . If not, please contact with your supplier) .



Once device is successfully bound to software, you will see prompt box “ Successful operation ” .



#### Basic information:

- Connection status : If device connection status changed, please click “ disconnected ”to refresh device connection status .
- Device’s basic information : Device ID , device type number , record count (patrol logs amount stored ) , route (which patrol route this device work for) ,impact record ( the impact amount stored) .

**Data Communication**

Basic information

Connection status: [Well connection](#) Device ID: 1605167593 Record count: 14

Route: [demo](#) Type number: 00010105 Impact record count: 5

Device clock: **2017-02-16 15:42:27** **Device clock had been updated with computer successfully!**

Device operation

Patrol data **Impact record**

| No. | Card ID  | Address name    | Patrol time         | Staff card ID | Person name    | Imposter |
|-----|----------|-----------------|---------------------|---------------|----------------|----------|
| 1   | 001F3B7F | Unknown address | 2016-12-27 11:24:16 | 0018083A      | Unknown person |          |
| 2   | 002BFB74 | Unknown address | 2016-12-27 11:24:22 | 0018083A      | Unknown person |          |
| 3   | 002C7280 | Unknown address | 2016-12-27 11:24:26 | 0018083A      | Unknown person |          |
| 4   | 002E69A3 | Unknown address | 2016-12-27 11:24:29 | 0018083A      | Unknown person |          |
| 5   | 001F2100 | Unknown address | 2016-12-27 11:24:32 | 0018083A      | Unknown person |          |
| 6   | 005645BB | Unknown address | 2017-02-16 15:35:54 | 00000124      | Unknown person |          |
| 7   | 005645BB | Unknown address | 2017-02-16 15:35:57 | 00000124      | Unknown person |          |
| 8   | 005645BB | Unknown address | 2017-02-16 15:36:00 | 00000124      | Unknown person |          |
| 9   | 005645BB | Unknown address | 2017-02-16 15:36:03 | 00000124      | Unknown person |          |

Read patrol data and impact record finished!Record count: 14; Total time: 1.199s

Read record

Synchronize address

Personnel setup

Fingerprint

☐ Clear data from device after reading data

➤ Clear data from device after reading data : Software will clear all data from device automatically after reading data .

➤ If there is impact record stored in device , data will show here when you click “Impact record” . If no impact record generated , there will be empty .

If you tick “Clear data from device after reading data , software will clear data automatically from device . **Please be careful with this step, data will not be recovered to device .**

**Data Communication**

Basic information

Connection status: [Well connection](#) Device ID: 1605167593 Record count: 5

Route: [demo](#) Type number: 00010105 Impact record count: 5

Device clock: **2017-02-15 15:59:34** **Device clock had been updated with computer successfully!**

Device operation

Patrol data **Impact record**

| No. | Card ID  | Address name | Patrol time         | Staff card ID | Person name    | Imposter |
|-----|----------|--------------|---------------------|---------------|----------------|----------|
| 1   | 001F3B7F | 1F           | 2016-12-27 11:24:16 | 0018083A      | Unknown person |          |
| 2   | 002BFB74 | 2F           | 2016-12-27 11:24:22 | 0018083A      | Unknown person |          |
| 3   | 002C7280 | 3F           |                     |               |                |          |
| 4   | 002E69A3 | 4F           |                     |               |                |          |
| 5   | 001F2100 | 5F           |                     |               |                |          |

Information

Default clear data when read data next time!

OK

Read patrol data and impact record finished!Record count: 5; Total time: 2.241s

Read record

Synchronize address

Personnel setup

Fingerprint

☒ Clear data from device after reading data

## 7. Fingerprint management


Basic function of this type device are the same , in addition ,there are other function : Synchronize address, Personnel setup and Fingerprint .

The screenshot shows the 'Data Communication' window. The 'Basic information' section displays: Connection status: [Well connection](#), Device ID: 1, Record count: 11, Route: [Demo](#), Type number: 00010105, Impact record count: 3, and Device clock: 2016-12-21 17:25:42. A green message states: 'Device clock had been updated with computer successfully!'. The 'Device operation' section has two tabs: 'Patrol data' and 'Impact record'. The 'Patrol data' tab is active, showing a table with 6 rows of data. To the right of the table are buttons for 'Read record', 'Synchronize address', 'Personnel setup', and 'Fingerprint'. A checkbox labeled 'Clear data from device after reading data' is also present. A status bar at the bottom reads: 'Read patrol data and impact record finished!Record count: 11; Using time: 2.711s'.

| No. | Card ID       | Address name | Patrol time         | Staff card ID | Person name | Imposter |
|-----|---------------|--------------|---------------------|---------------|-------------|----------|
| 1   | 002E041A      | 1F           | 2016-12-21 13:46:24 | 12545454      | Lynn        |          |
|     | Incident Name | broken       |                     |               |             |          |
| 2   | 0077FB27      | 2F           | 2016-12-21 13:46:35 | 33233344      | Lisa        | YES      |
|     | Incident Name | broken       |                     |               |             |          |
|     | Incident Name | damaged      |                     |               |             |          |
| 3   | 00CD197F      | 3F           | 2016-12-21 13:46:50 | 33444444      | LULU        | YES      |
|     | Incident Name | good         |                     |               |             |          |
| 4   | 002E041A      | 1F           | 2016-12-21 14:37:02 | 33444444      | LULU        | YES      |
|     | Incident Name | broken       |                     |               |             |          |
| 5   | 002E041A      | 1F           | 2016-12-21 14:37:41 | 33444444      | LULU        | YES      |
|     | Incident Name | broken       |                     |               |             |          |
| 6   | 002E041A      | 1F           | 2016-12-21 14:38:04 | 33444444      | LULU        | YES      |
|     | Incident Name | broken       |                     |               |             |          |



**Fingerprint** : This are for fingerprint ID binding with staff and cancel binding operation . 2 parts fingerprint contained : Manager's fingerprint and Inspector's fingerprint .


 Fingerprint

Manager

| Fingerprint ID | Subordinate personnel | Remark      | Action                         |
|----------------|-----------------------|-------------|--------------------------------|
| 0              | Tom                   | Right thumb | <a href="#">Cancel binding</a> |

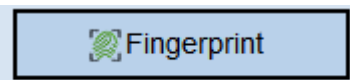
Inspector

| Fingerprint ID | Subordinate personnel | Remark              | Action                         |
|----------------|-----------------------|---------------------|--------------------------------|
| 15             | Lisa                  | Right middle finger | <a href="#">Cancel binding</a> |
| 16             | Lynn                  | Right forefinger    | <a href="#">Cancel binding</a> |
| 17             | LULU                  | Right ring finger   | <a href="#">Cancel binding</a> |
| 18             | nana                  | Right little finger | <a href="#">Cancel binding</a> |
| 19             | Sam                   | Right middle finger | <a href="#">Cancel binding</a> |

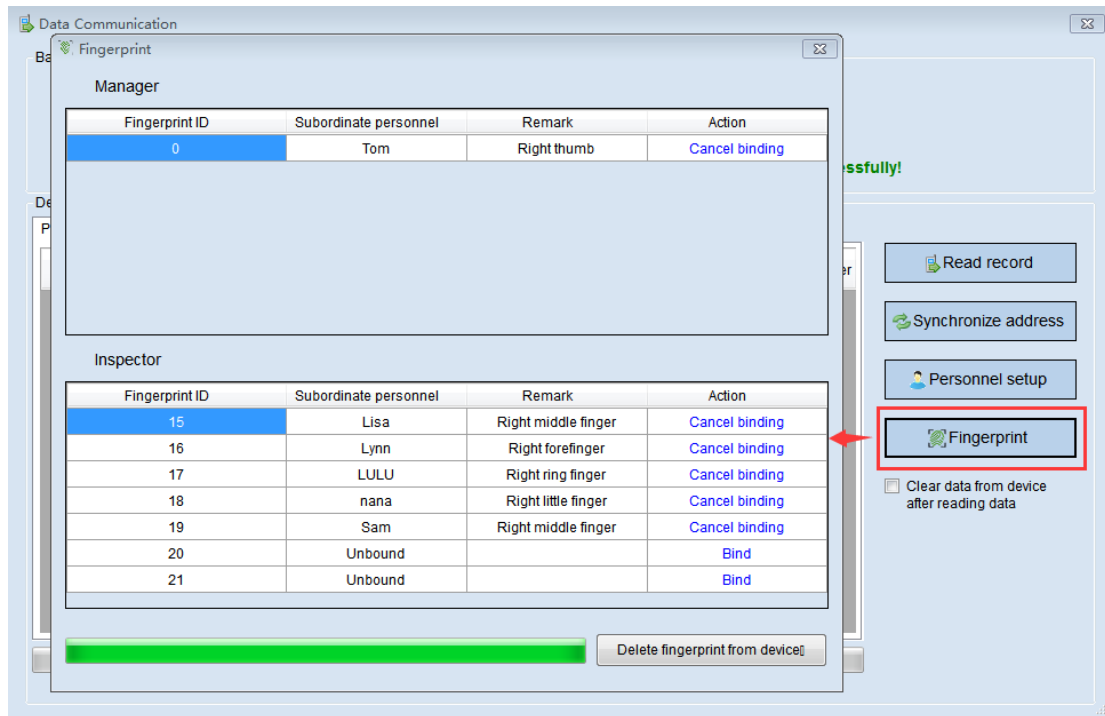


Delete fingerprint from device

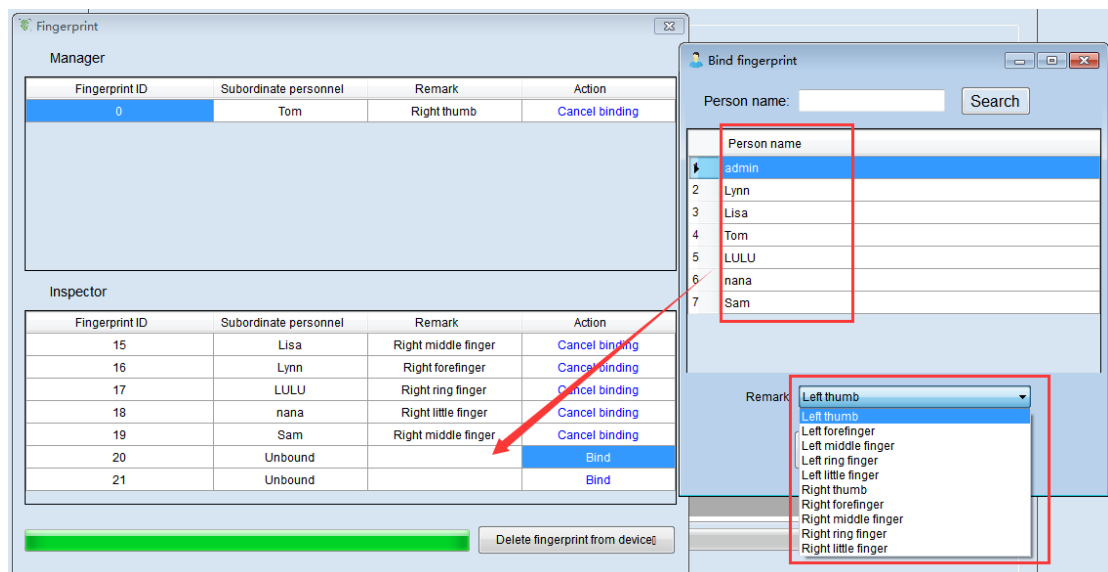
### How to bind fingerprint to related person ?



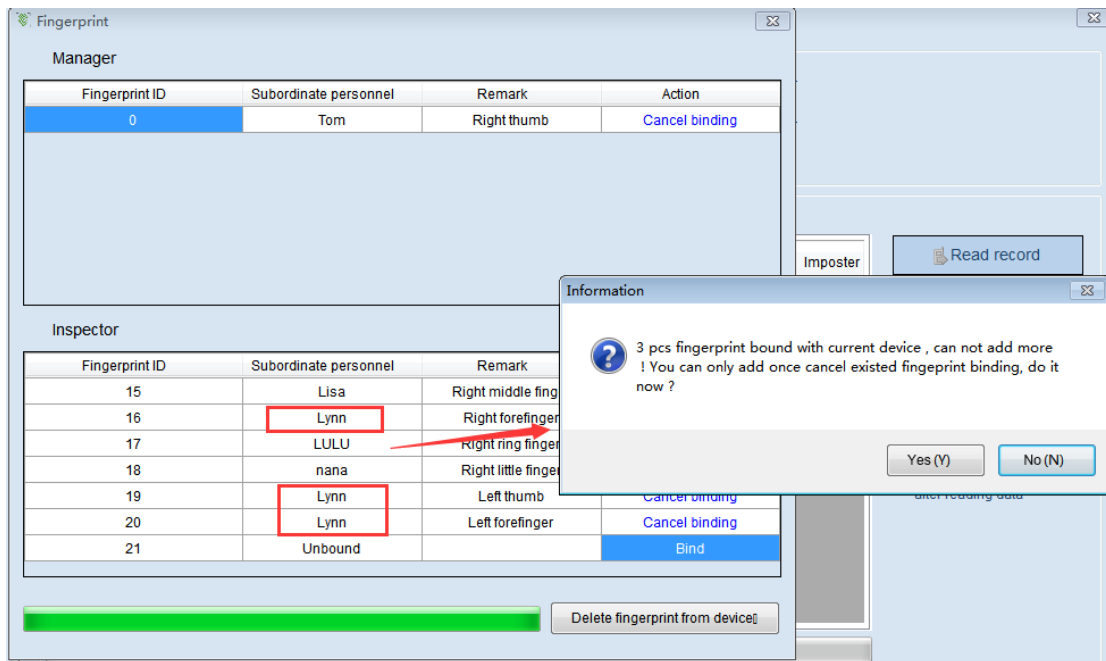
1. Click "Fingerprint" , software will download all fingerprint ID from device to software , and all registered fingerprint ID and unbound fingerprint ID will be all displayed .



- Click "Bind" to add person (person's name are from the staff card list what user preset )and their fingerprint (as remark) to bind with fingerprint ID.

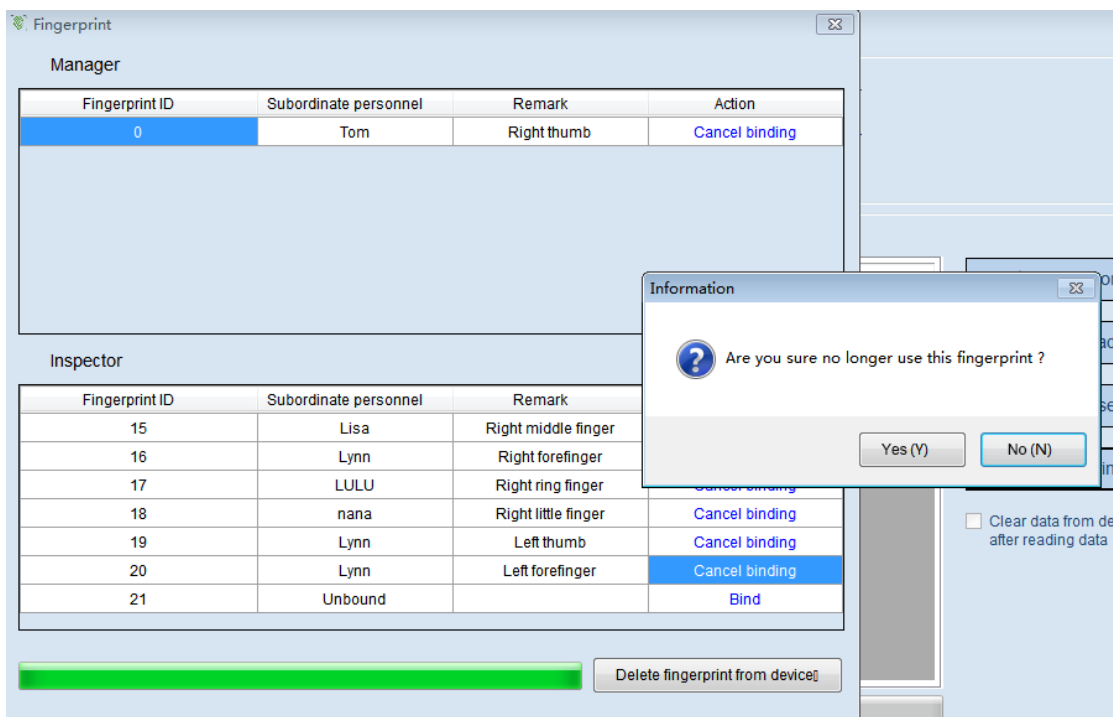


Every person can be bound with 3 pcs fingerprint maximally , when you bind the fourth finger for selected person, software will show “3pcs fingerprint bound with current device , can not add more ! You can only add again once cancel some existed binding, do it now ?



**How to cancel fingerprint binding ?**

**Click “cancel binding”, fingerprint ID will be removed from existed person**



Fingerprint

Manager

| Fingerprint ID | Subordinate personnel | Remark      | Action         |
|----------------|-----------------------|-------------|----------------|
| 0              | Tom                   | Right thumb | Cancel binding |

Inspector

| Fingerprint ID | Subordinate personnel | Remark              | Action         |
|----------------|-----------------------|---------------------|----------------|
| 15             | Lisa                  | Right middle finger | Cancel binding |
| 16             | Lynn                  | Right forefinger    | Cancel binding |
| 17             | LULU                  | Right ring finger   | Cancel binding |
| 18             | nana                  | Right little finger | Cancel binding |
| 19             | Lynn                  | Left thumb          | Cancel binding |
| 20             | Unbound               |                     | Bind           |
| 21             | Unbound               |                     | Bind           |

Delete fingerprint from device

The same person can be bound with 3 pcs fingerprint ID maximally, BUT PLEASE NOT person type can't be mixed . For example , if TOM is bound to “Manager” type , he can't be bound to “Inspector ” type , rest 2 pcs ID of TOM can be also bound as “Manager”.

## 8. Report

Click “Data Report “, you can see all report and result here . Including “ Raw data”, “Data result”, “Data count” , , “Data analysis ”, “Impact record” , “Data count report” and “Camera report”.

Data Report

Select a topic

1.Raw Data

2.Data Result

3.Data Count

4.Data Analysis

5.Impact record

6.Data count report

7.Camera report

Data Report



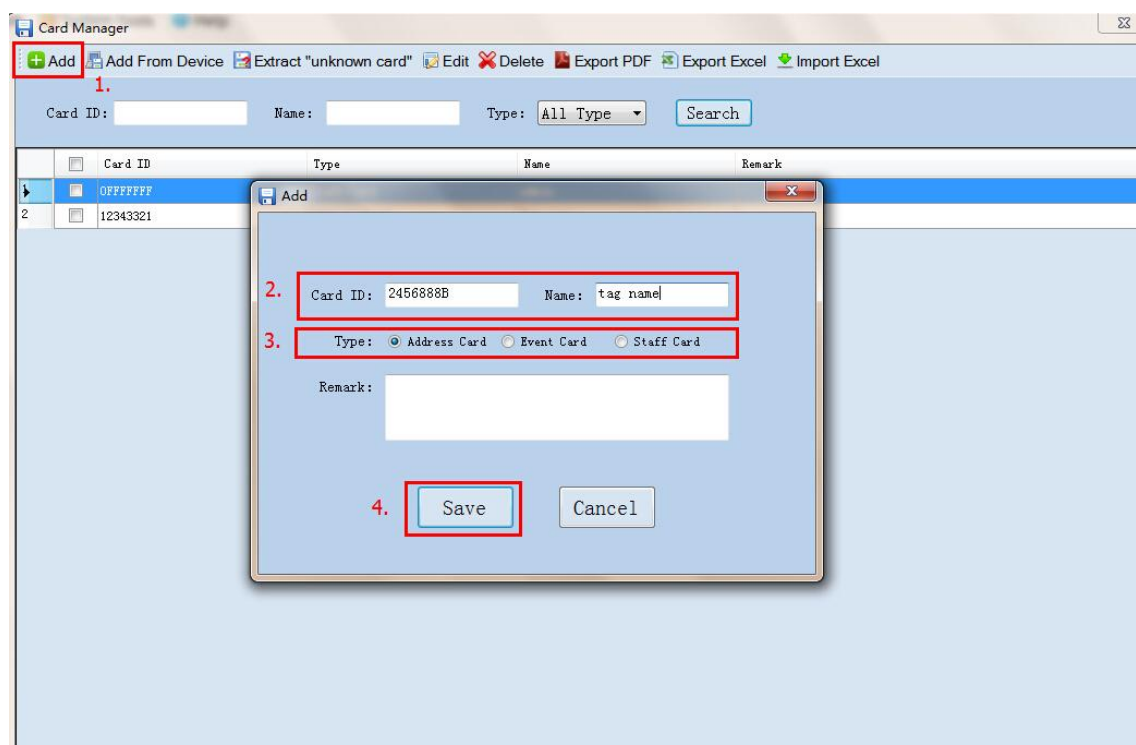
## 9. General setup

### 9.1 .Card setup

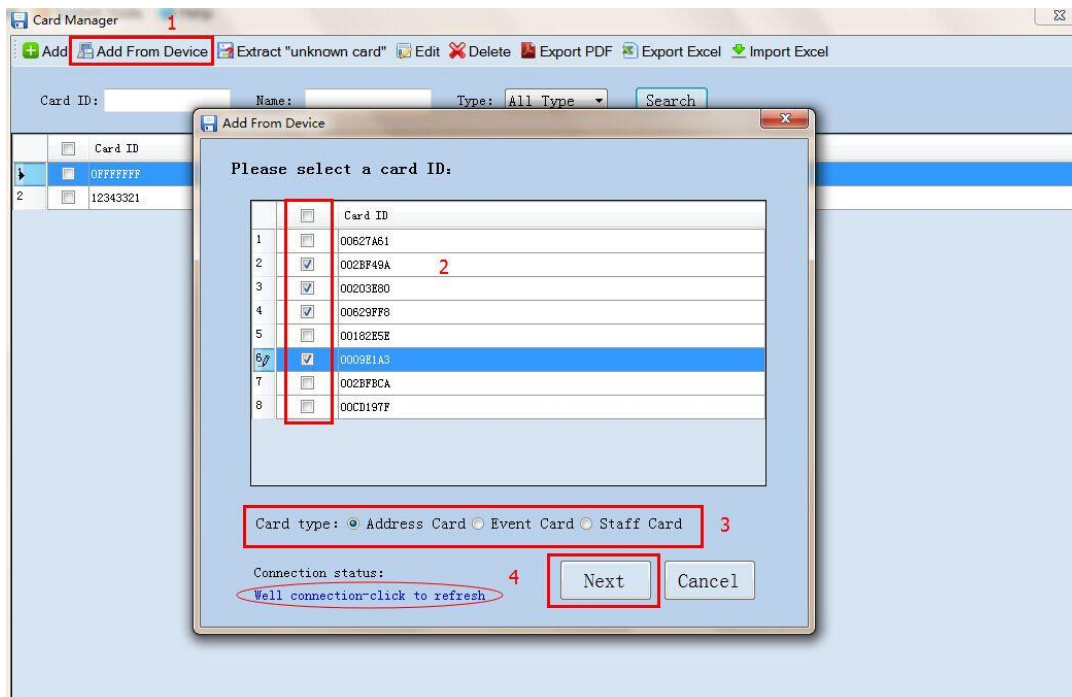
There are two way to set up tags (check point , staff ID card , event card ) :

- A. Add manually (this method cost much time and easy making mistake )
- B. Add from device (this method recommended . Please read tags with patrol device in order , this will make “ register new tags “ very easy and efficient) .
- C. Extract “Unknown card” (this method recommended . Every time when you connect patrol device with software , software will save all cards automatically to database including “ Unknown card ”, when you click **Extract “Unknown card”** ,all unknown card saved in software will be displayed in list ) .

1. Add manually :

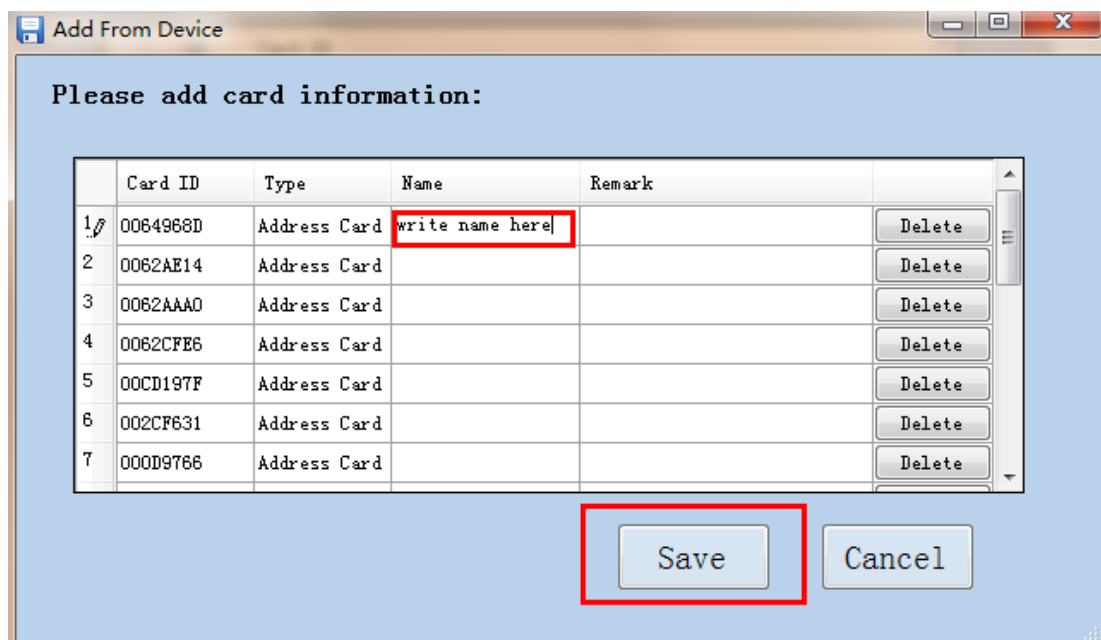


2. Add from device : Please read all should registered card with patrol device in order in advance . Software will show all card with reading time order , also the device must be connected with software when you do this . You can register new card under communication interface or this interface by clicking **Add From Device** . If not work ,please check whether device is well connected with software , you can click” No device detected- click to refresh” **No device detected-click to refresh** to refresh connection .

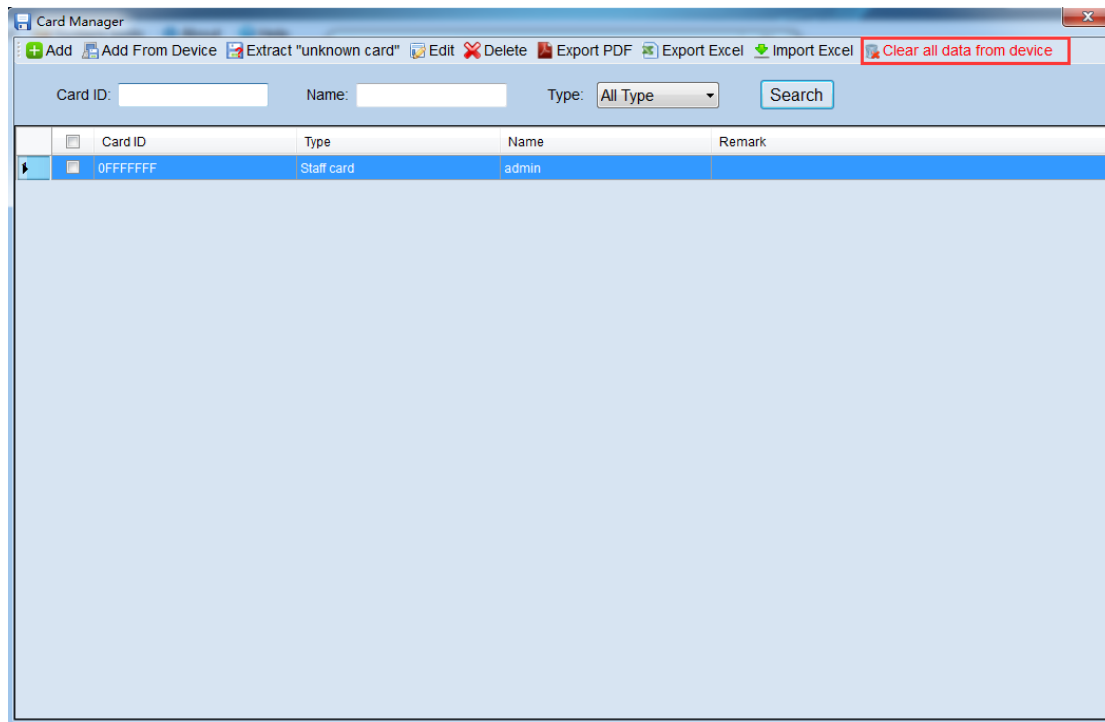


3. Extract “Unknown card ”: You can operate this button even while device is connected with software or not connected . If there is device connected with software , all card saved in database (including all patrol device connected with software ) and current unknown card saved in patrol device will all displayed in list . If no device connected with software , all unknown card from previous device will be displayed in list .

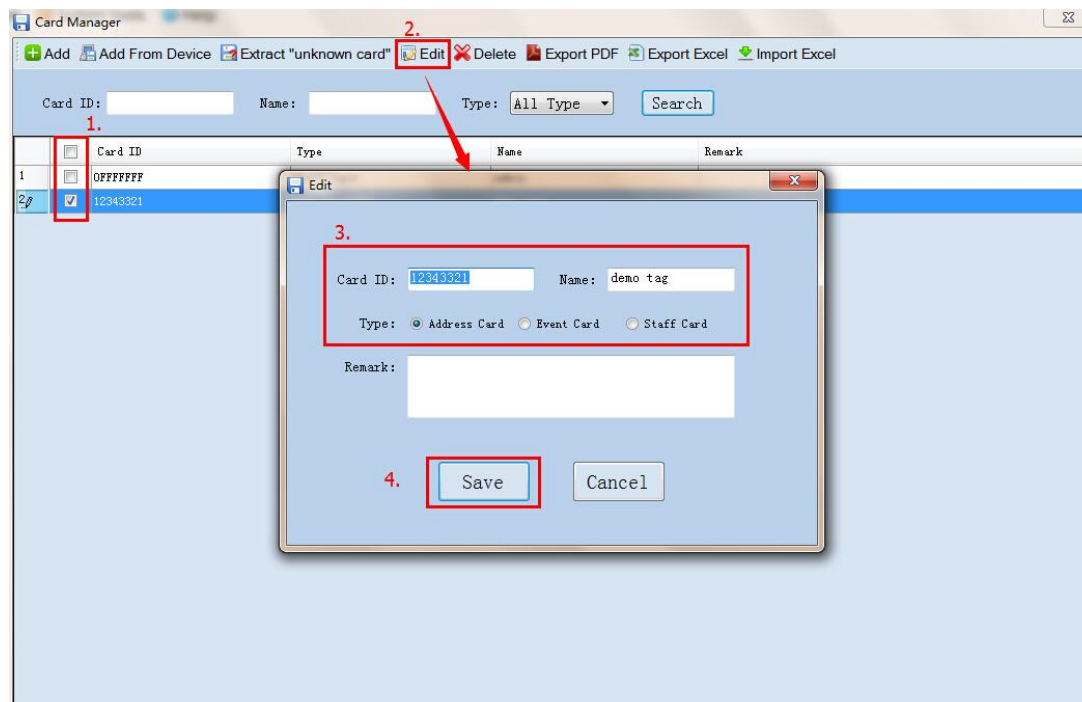
If you save some tags wrongly, you can also click “delete ” to remove from the list you want to save



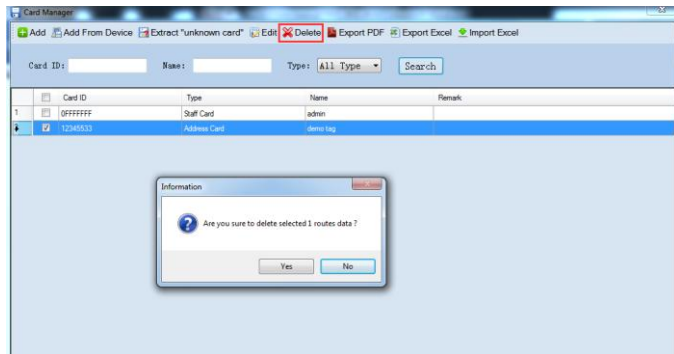
While your first time to connect device with software, and if there is none card registered , you can clear all device data here .



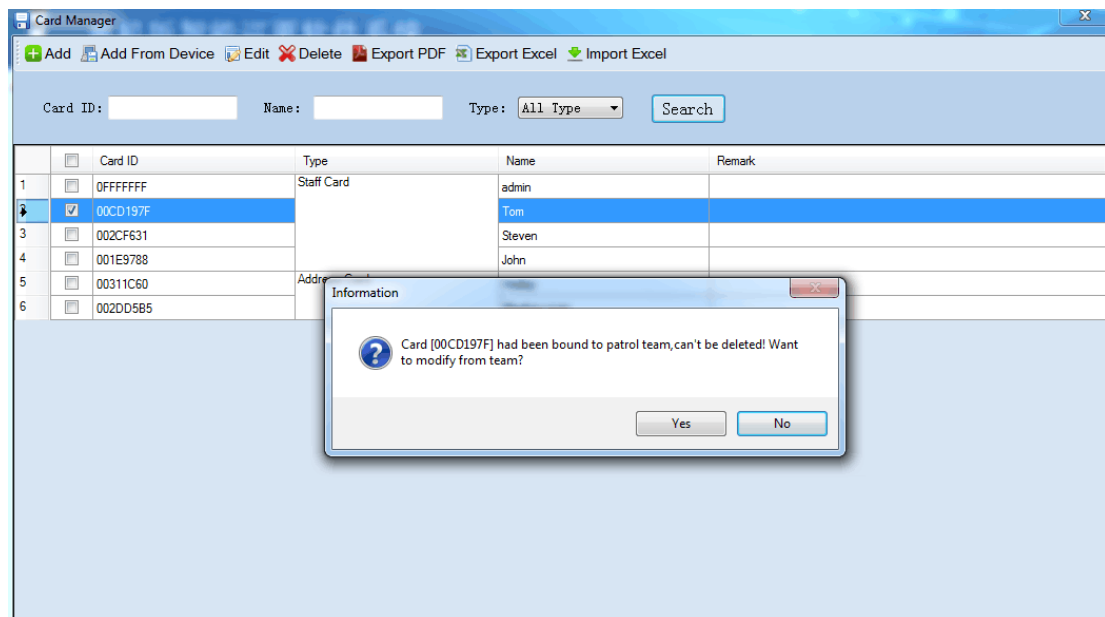
4. Modify card : If you want to modify existing card information, please tick the card and click “edit ” for modification (you can modify card ID or card name , remark or card type).



5. Delete card : Please tick the card you want to delete , click “ delete ” and “OK” to delete .



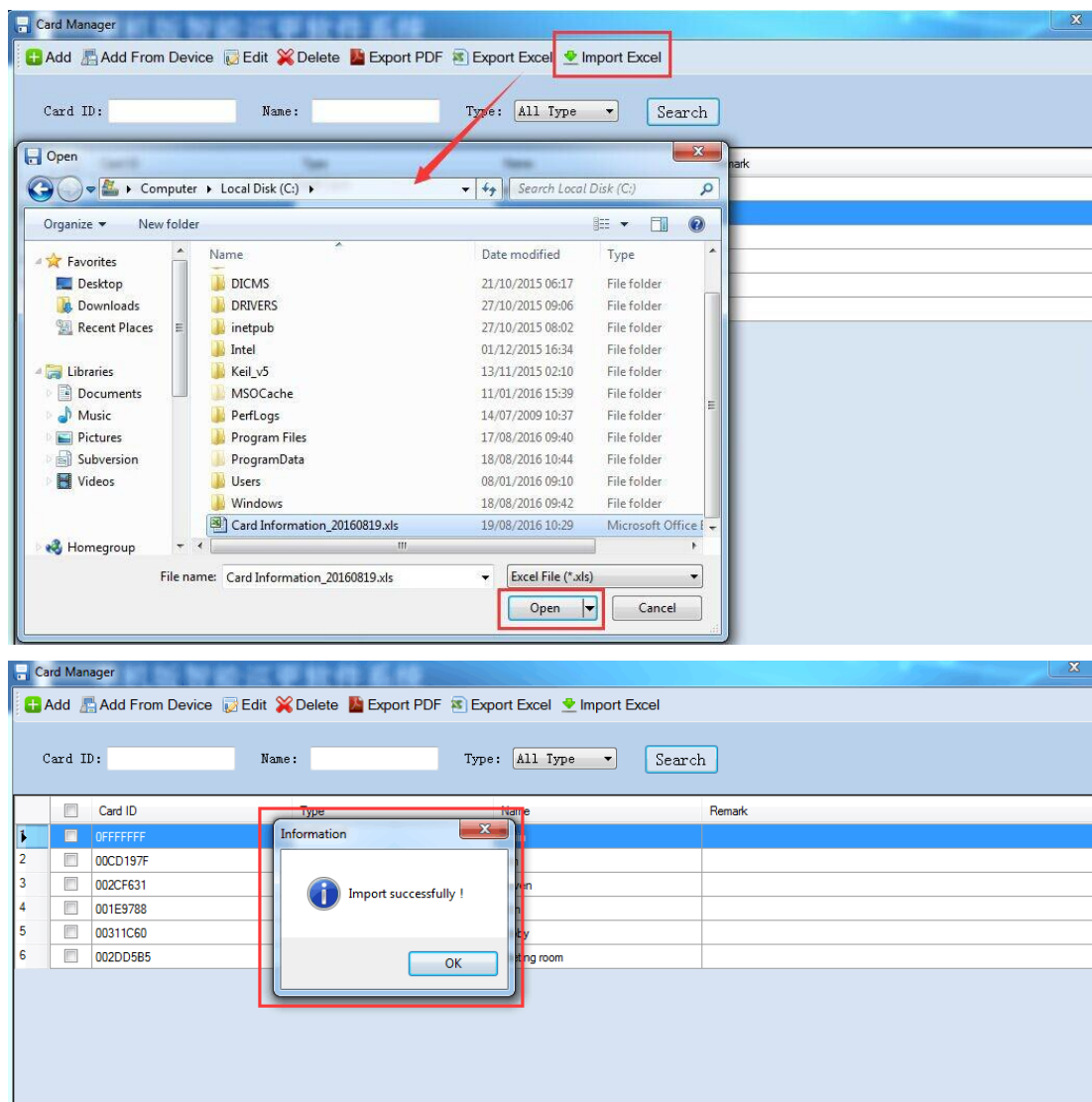
\*Notice : If show this prompt , please go to the related patrol route and patrol schedule , then you can delete card .



6. Export card list : You can export “pdf” and “ Excel ” format .

| G5 |                  |              |              |        |
|----|------------------|--------------|--------------|--------|
|    | A                | B            | C            | D      |
| 1  | Card Information |              |              |        |
| 2  | Card ID          | Type         | Name         | Remark |
| 3  | 0FFFFFFF         | Staff Card   | admin        |        |
| 4  | 00CD197F         | Staff Card   | Tom          |        |
| 5  | 002CF631         | Staff Card   | Steven       |        |
| 6  | 001E9788         | Staff Card   | John         |        |
| 7  | 00311C60         | Address Card | Hobby        |        |
| 8  | 002DD5B5         | Address Card | Meeting room |        |
| 9  |                  |              |              |        |
| 10 |                  |              |              |        |

7. If much card should be added to software , you can make a “Excel” table which including all card (Because there is format limit , the title of Excel must be the same with the exported one ,please export an Excel from software for reference to see the format , then fill in all information follow the exported Excel , or will be invalid ).



8. Query card information : You can query card by “Card ID ” ,“ Card name ” ,“Card type” to search the card you want

|   | Card ID  | Type         | Name            | Remark |
|---|----------|--------------|-----------------|--------|
| 1 | 0FFFFFFF | Staff Card   | admin           |        |
| 2 | 0064968C | Address Card | write name here |        |
| 3 | 0062AE14 |              | 2F              |        |

## 9.2 Team setup

This function is use for manage patrol officer . For example , if there are 2 shift for patrol working : morning shift and night shift , 3 officer at morning shift , 4 officer at night shift . You can manage their information here .

1.Create a new team

1. Select the parent team --- Click “Add team ”--- Enter team name --- Save

Team setup

Staff Card:      Name:      Search

| Staff Card            | Name |
|-----------------------|------|
| <Query data is empty> |      |

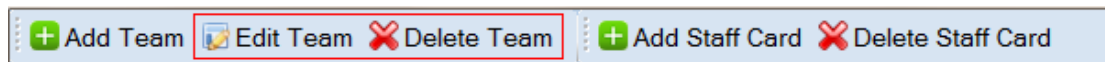
Team information

Team name: Morning shift

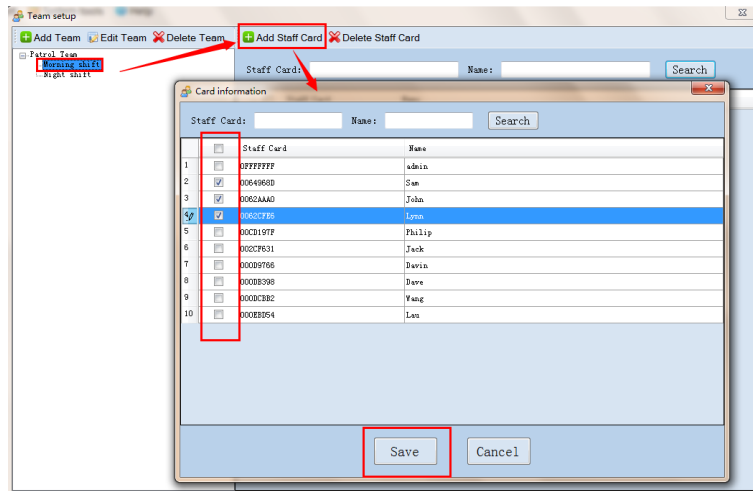
Superior team: Patrol Team

Save      Cancel

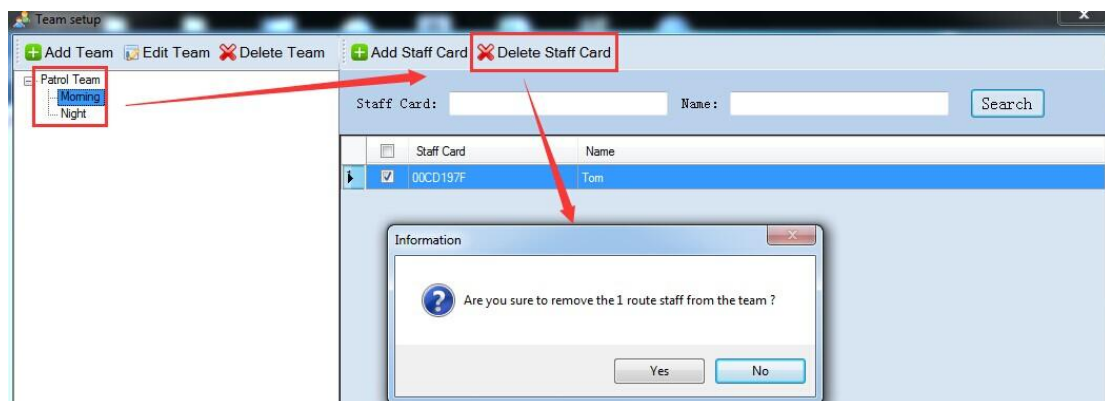
2. You can edit team or delete team information by click these



3. Add inspector to related patrol team : Select patrol team --- Click “Add staff card ” --- Tick staff card you want to add --- Click “Save” .

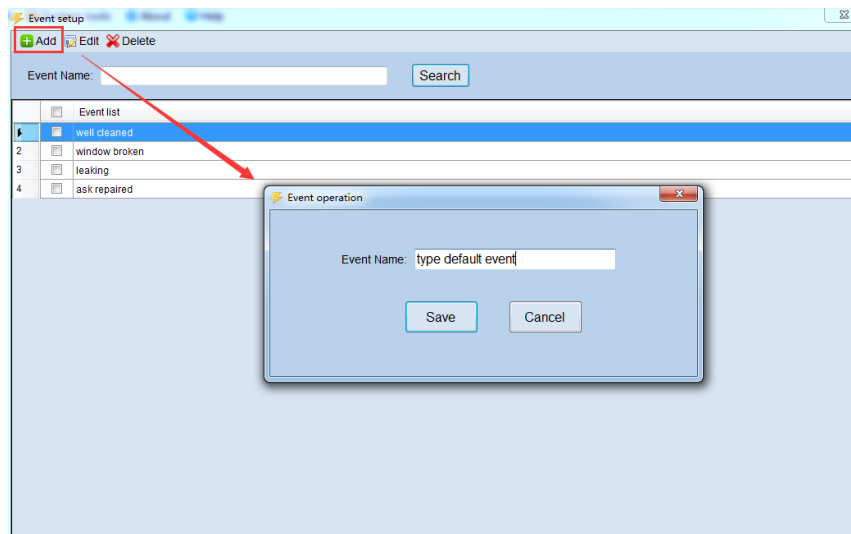


4. Delete inspector from existing patrol route



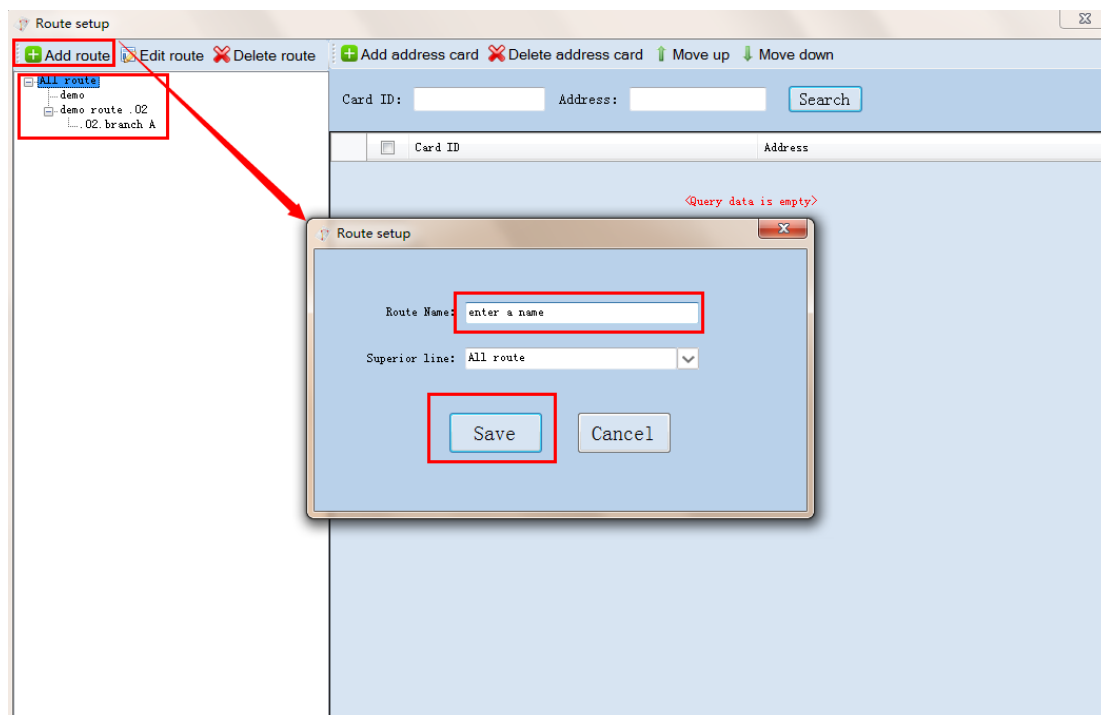
5. Query : You can query the inspector by staff card ID or name

### 9.3 Event setup



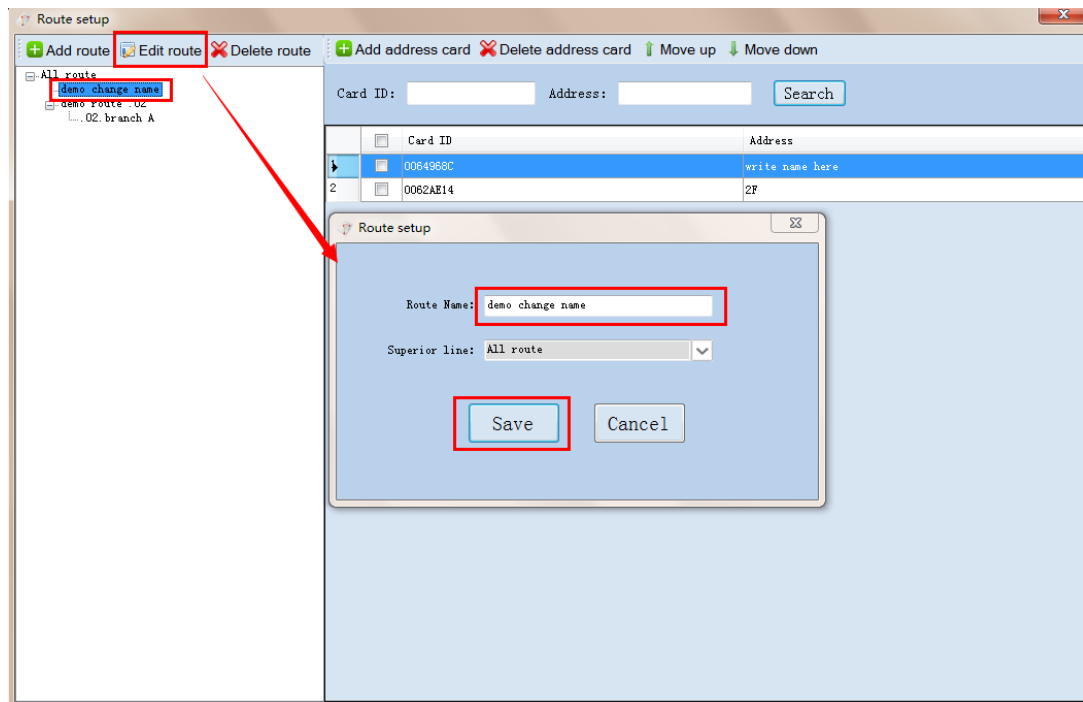
### 9.4 Route setup

1. Create a new route : Default is all route displayed here . If you want to create a new route , please select a parent node first then click “add ” --- Enter route name --- Save .

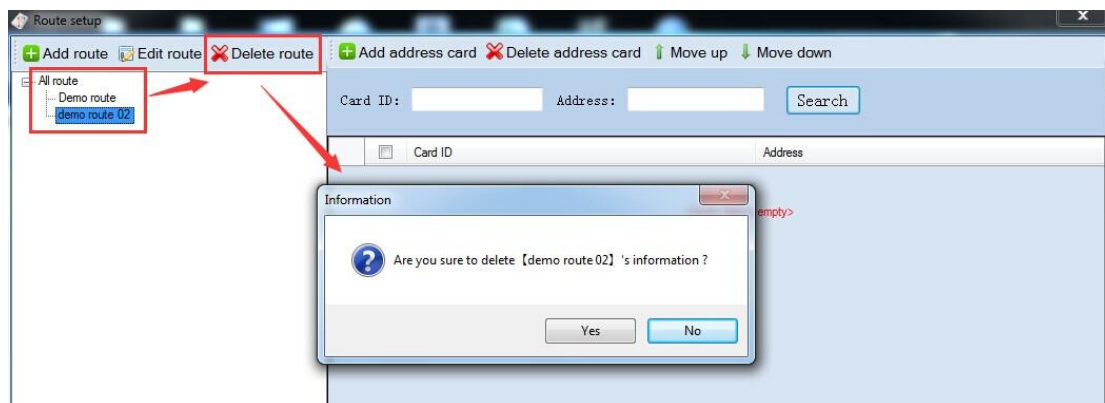


2. Edit route name : If you want to modify route name , click “ edit ” for modification .

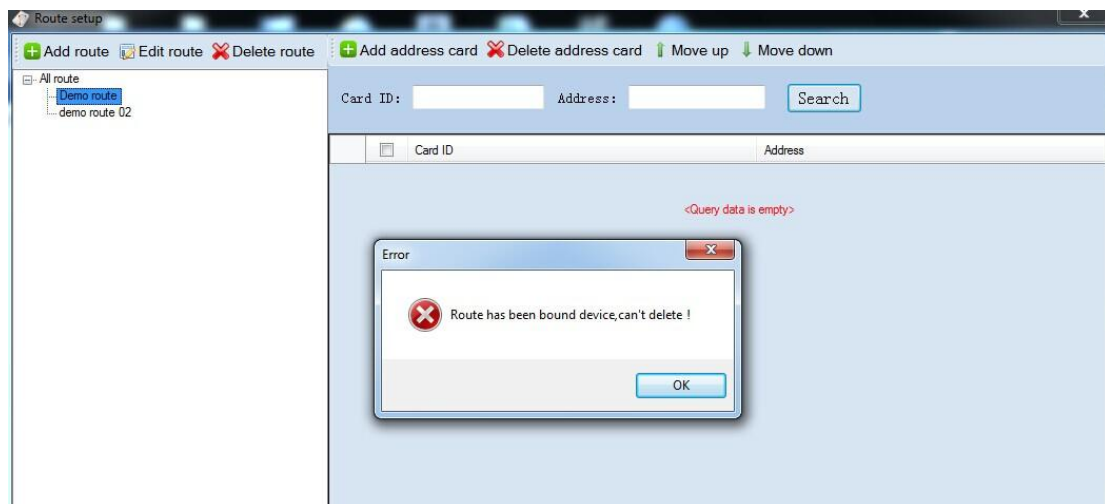
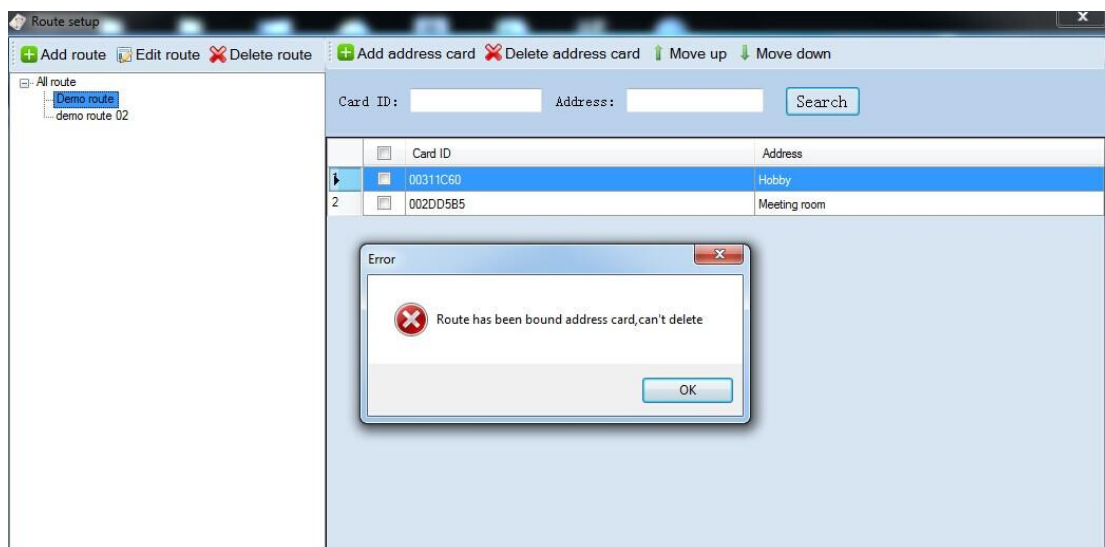
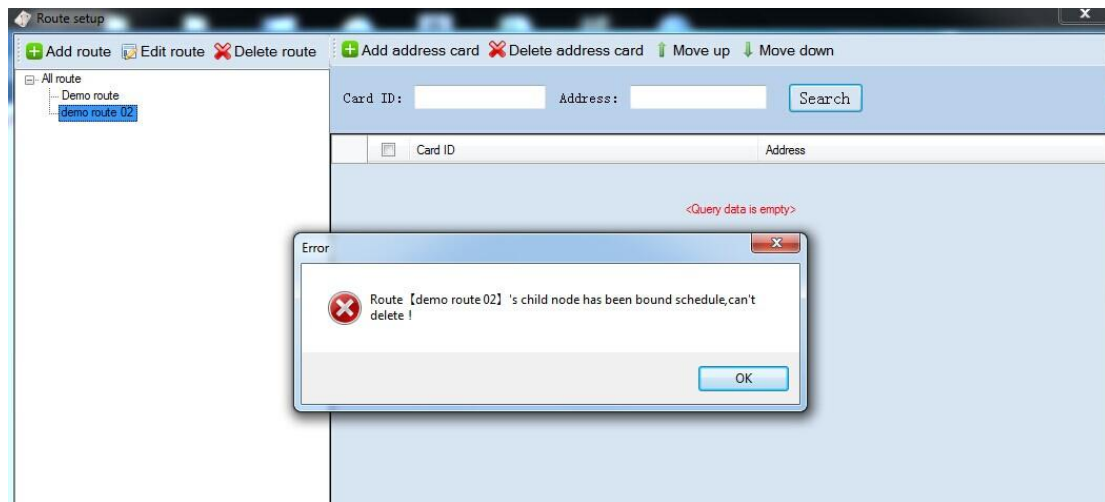




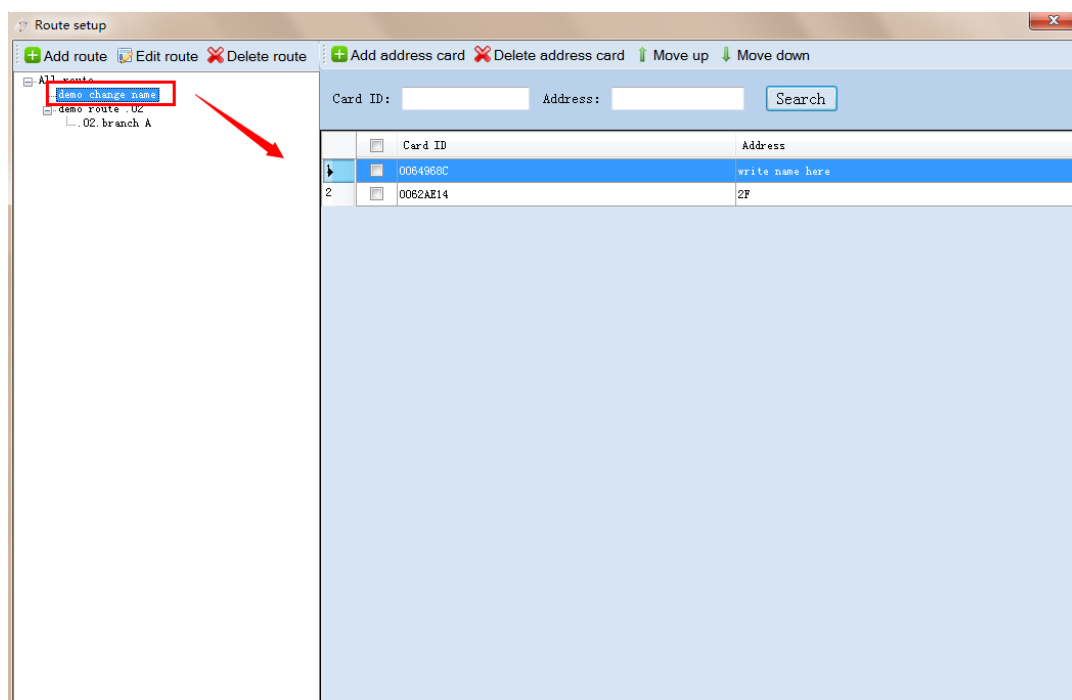
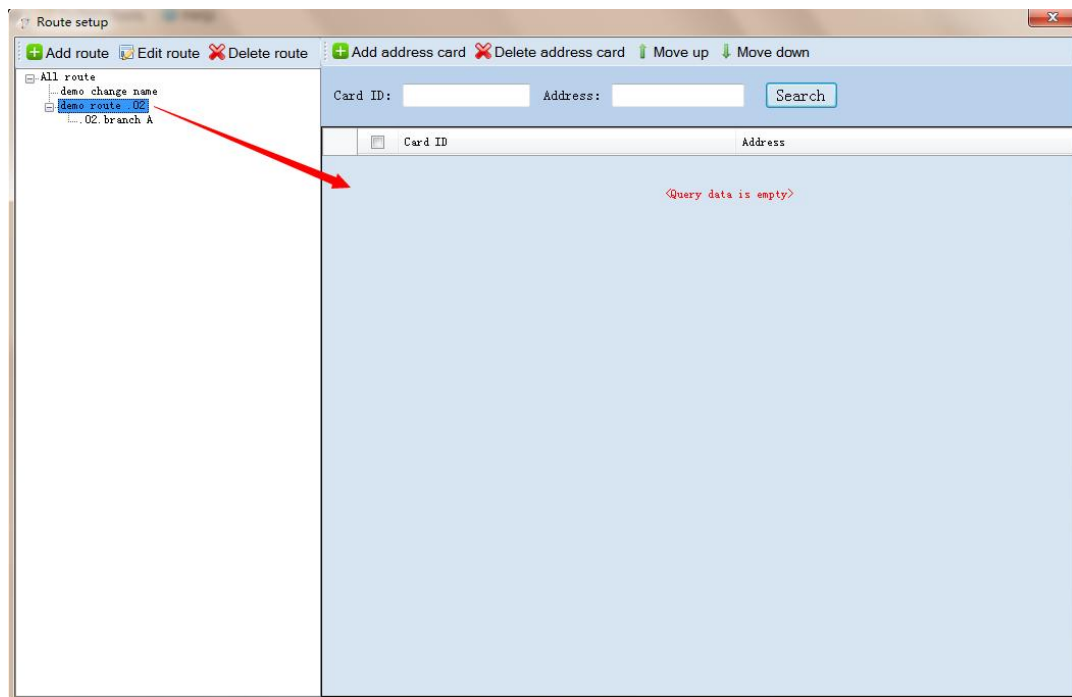
3. Delete route : Select route --- Click “ delete” to delete patrol route .



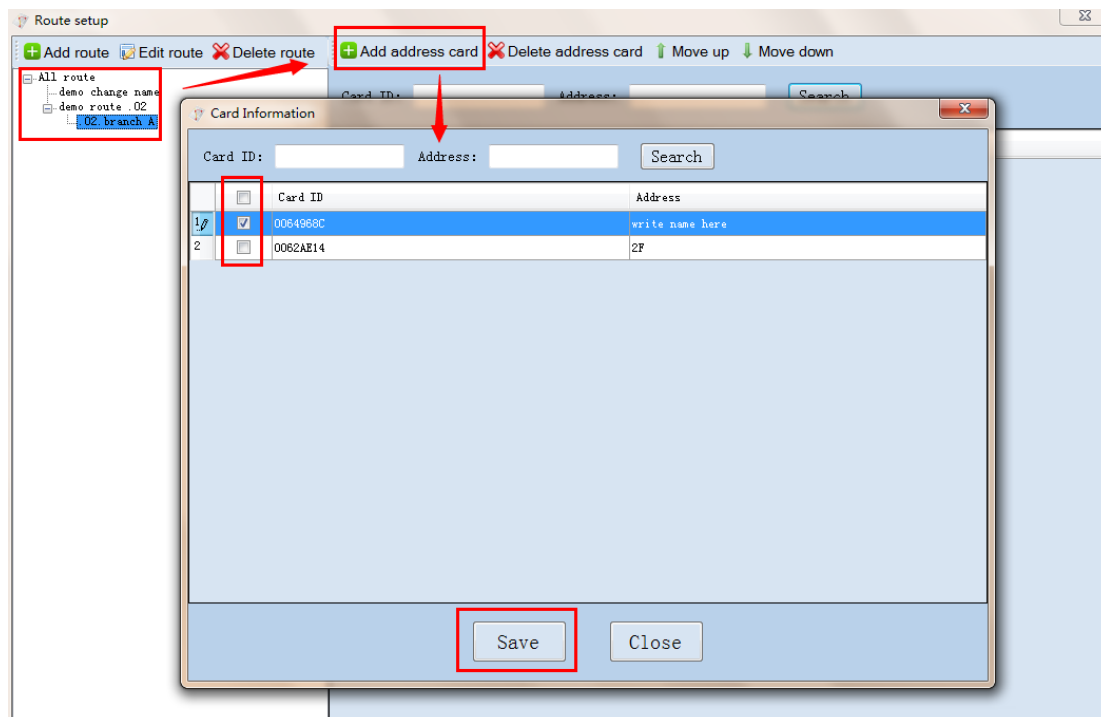
Notice : If some device is bounded to your selected route , or there are some check point are bounded to your selected route , or there are schedule existed in your selected route ,system will not allow you to delete route , please go to communication interface first to change device's binding route , or delete check point from selected route , or delete schedule from selected route , then you can delete this route .



4. When you click route name, if right box show '<Query data is empty>', which means no any check point under this patrol route.



5. Add card to patrol route : Select patrol route --- Click “add ”--- Select card --- Click “Save ”. Tick all , you can select all card , click “Close ” can close window .

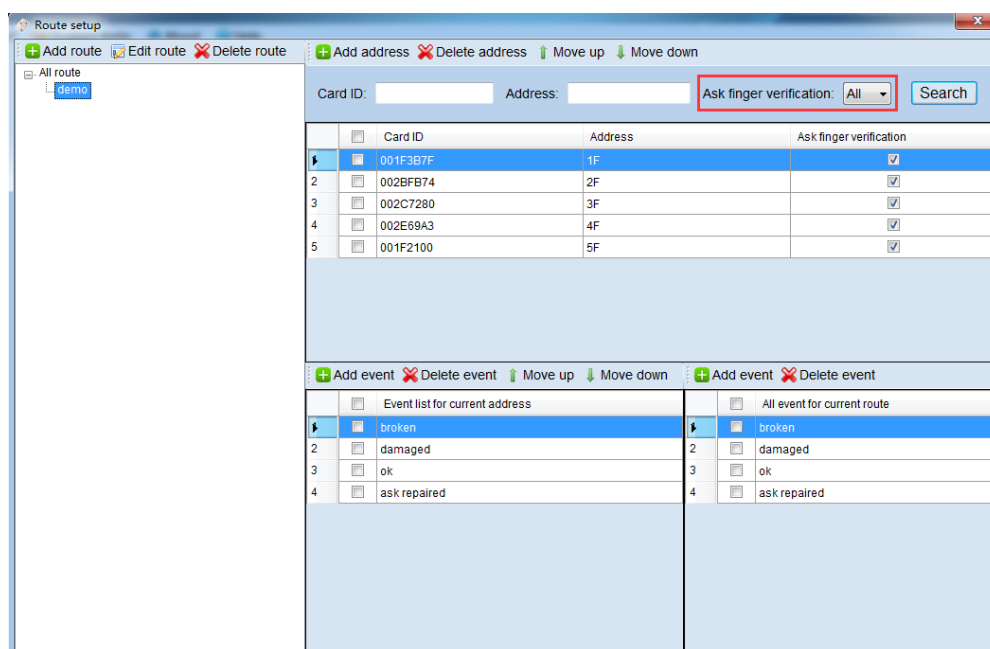


If you want to query some specified card, you can query with Card ID or name here to find and add them soon .

#### 6. Add event to check point

##### [Event for device with event function]

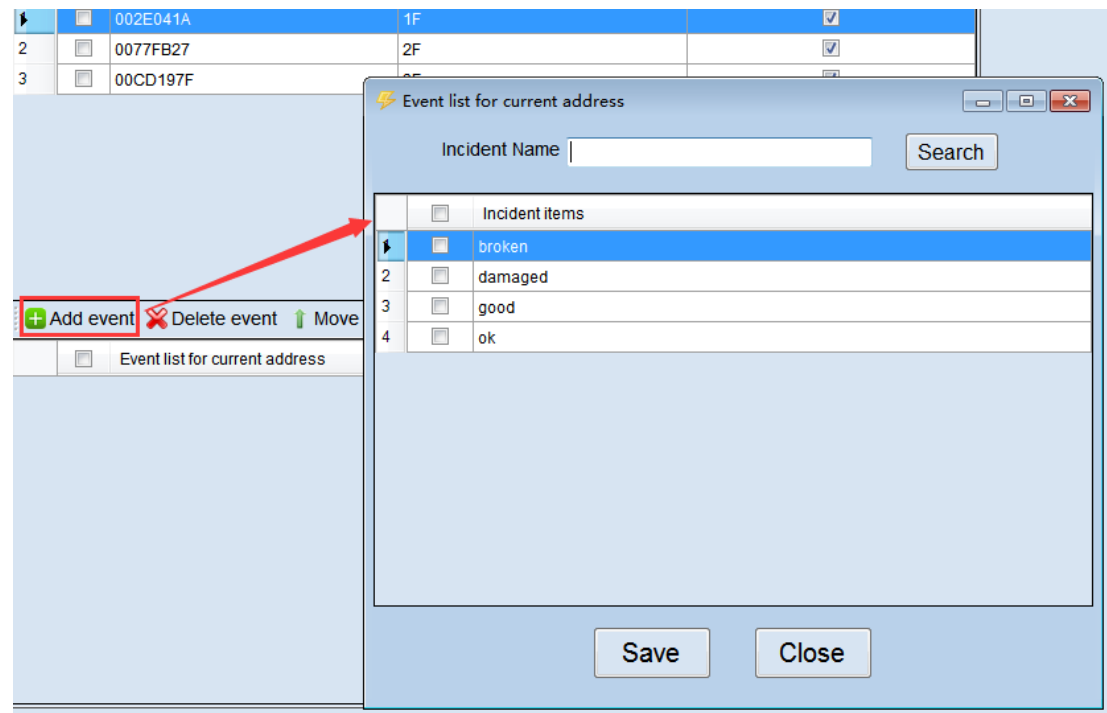
- If your device are with the function to record event, you can add event to assigned check spot /address . In addition, there are fingerprint verification for each check spot /address . If you tick “ Ask fingerprint ”, then every time when patrol staff arrived to related location ,device will prompt “please touch fingerprint ” (Fingerprint verification are only for device with fingerprint function ).



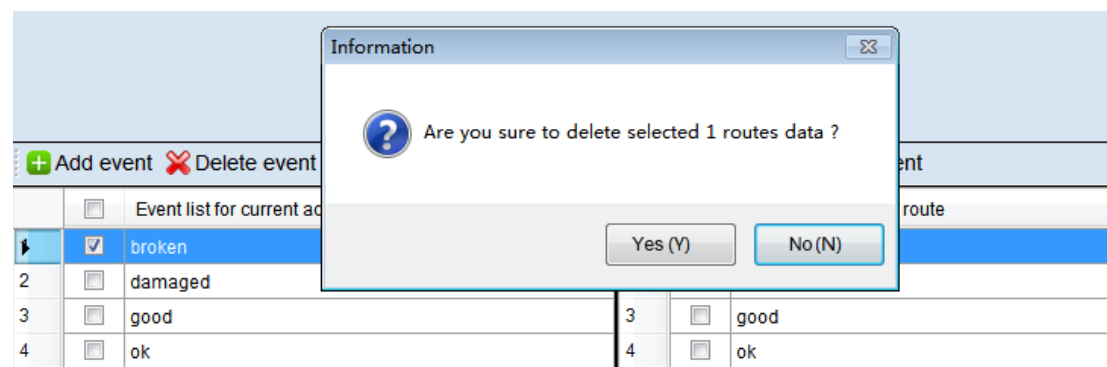
1. Event list (2 parts event list : One for current selected address , one for whole patrol route)

**a. Event list for current address**

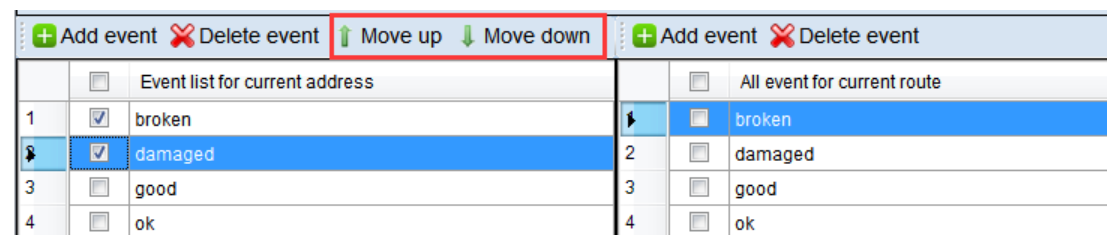
**Add event** : Click left “add event”, you can select event from event list database to add for selected address .  
Every check spot/address can be added with 15 pcs event maximally.



**Delete event** : Tick the event you want to delete, click “delete event ” to remove.



**Move up and Move down** : To change the current event order (suggest you can rank the most common use event in front for more convinient operation) .



**b. All event for current route**

All event for current whole patrol route , it's a gathering of all event for each check spot/address . If some check spot is no any event bound, while scanning , all event list will be a default for option.

| + Add event ✕ Delete event ↑ Move up ↓ Move down |                                     |                                | + Add event ✕ Delete event |                          |                             |
|--|-------------------------------------|--------------------------------|----------------------------|--------------------------|-----------------------------|
|  | <input type="checkbox"/>            | Event list for current address |                            | <input type="checkbox"/> | All event for current route |
| 1  | <input checked="" type="checkbox"/> | broken                         | 1                          | <input type="checkbox"/> | broken                      |
| 2  | <input checked="" type="checkbox"/> | damaged                        | 2                          | <input type="checkbox"/> | damaged                     |
| 3  | <input type="checkbox"/>            | good                           | 3                          | <input type="checkbox"/> | good                        |
| 4  | <input type="checkbox"/>            | ok                             | 4                          | <input type="checkbox"/> | ok                          |

Add event : Click “add event” to add event from event list to current whole route . 500pcs each route allowed maximally.

Event list for current address

Incident Name

|   |                                     |                |
|---|-------------------------------------|----------------|
|   | <input type="checkbox"/>            | Incident items |
| 1 | <input checked="" type="checkbox"/> | fire           |
| 2 | <input type="checkbox"/>            | passed         |

+ Add event ✕ Delete event

|   |                                     |                             |
|---|-------------------------------------|-----------------------------|
|   | <input type="checkbox"/>            | All event for current route |
| 1 | <input checked="" type="checkbox"/> | broken                      |
| 2 | <input type="checkbox"/>            | damaged                     |
| 3 | <input type="checkbox"/>            | good                        |
| 4 | <input type="checkbox"/>            | ok                          |

7. Delete card from patrol route : Select patrol route --- Tick card you want to delete--- Click “ delete address card ” .

Route setup

+ Add route Edit route ✕ Delete route

All route

- Demo route
- demo route 02

Card ID:  Address:

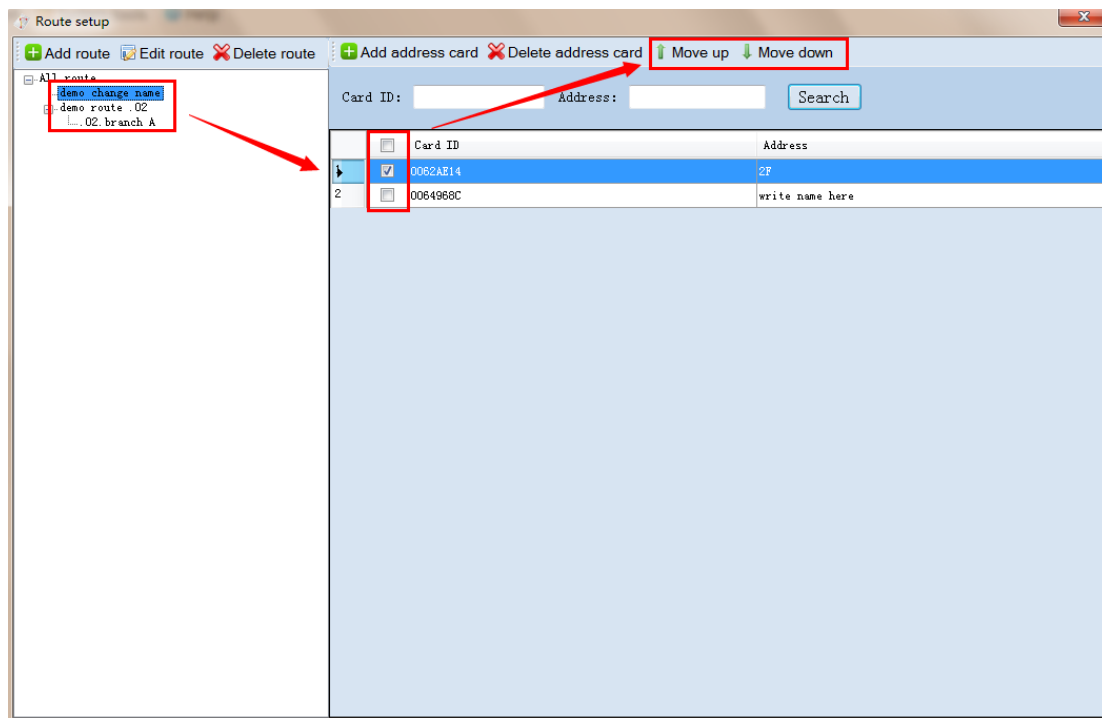
|   |                                     |          |              |
|---|-------------------------------------|----------|--------------|
|   | <input type="checkbox"/>            | Card ID  | Address      |
| 1 | <input checked="" type="checkbox"/> | 00311C60 | Hobby        |
| 2 | <input type="checkbox"/>            | 002DD5B5 | Meeting room |

Information

Are you sure to remove 1 lines data ?

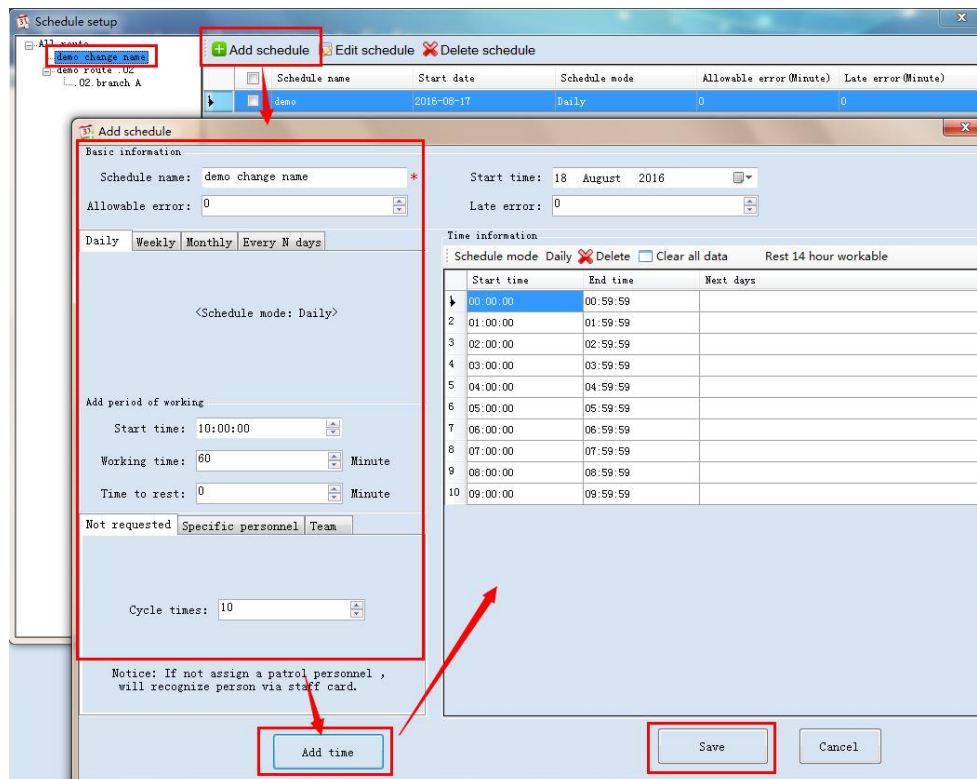
8. “Up” “Down” : Click “Move up” or “ Move down” to move cards order . (\* check point ranking order here is

the patrol order security officer should followed . Please be noted in case of data disorder) .



## 9.5 Schedule setup

1. Create schedule : Select patrol route --- click “ Add schedule ”--- Enter schedule time and other basic information --- click “add time ”--- click “Save ”.



(1) Basic information of schedule

- Schedule name : The name of schedule . \* **required**
- Start time: The execution time of this schedule
- Allowable error : If actual patrol time is within the allowable error you set, the result will be regarded as no problem . For example : if a schedule time is from 8:00 to 10:00 am , the “allowable error ” is 5 minutes , so the actual patrol time from 07:55-10:05 are all no problem ,regarded as “Qualified ”
- Late error : If a schedule is from 8:00-10:00am , the “late error” is 10 minutes , so the actual patrol time from 10:05-10:10 will be regarded as “Late” .Please be noted that “Late error ” must be larger than “allowable error” .

Basic information

|                  |   |   |             |   |
|------------------|---|---|-------------|---|
| Schedule name:   | <input type="text" value="Demo route"/> | * | Start time: | <input type="text" value="18 August 2016"/> |
| Allowable error: | <input type="text" value="1"/>          |   | Late error: | <input type="text" value="3"/>              |

(2) Add patrol time

- Patrol period selection : Set the execute patrol period of your schedule

☒ Daily ☐ Weekly ☐ Monthly ☐ Every N days

Week selection

|  |   |   |  |
|--|---|---|--|
| <input checked="" type="checkbox"/> Monday | <input checked="" type="checkbox"/> Tuesday | <input checked="" type="checkbox"/> Wednesday | <input checked="" type="checkbox"/> Thursday |
| <input checked="" type="checkbox"/> Friday | <input type="checkbox"/> Saturday           | <input type="checkbox"/> Sunday               |  |

Add working of period

Add period of working

|               |                                       |        |
|---------------|---------------------------------------|--------|
| Start time:   | <input type="text" value="00:00:00"/> |        |
| Working time: | <input type="text" value="60"/>       | Minute |
| Time to rest: | <input type="text" value="0"/>        | Minute |

- Start time : The execute time of patrol within your patrol period
- Working time : The working running hour for each patrol cycle
- Time to rest : The rest time between 2 patrol cycle . For example , the first patrol cycle is form 8:00am-9:00am, **the rest time is 10 minutes** , the second patrol cycle should be from 9:10-10:10



Schedule mode: Daily ☒ Delete ☐ Clear all data Rest 22 hour workable

|   | Start time | End time | Next days |
|---|------------|----------|-----------|
| 1 | 08:00:00   | 08:59:59 |           |
| 2 | 09:10:00   | 10:09:59 |           |

<Schedule mode: Daily>

Add period of working

Start time: 10:20:00

Working time: 60 Minute

Time to rest: 10 Minute

Not requested ☒ Specific personnel ☐ Team ☐

Cycle times: 2

### (3) Add patrol personnel

- “Not requested” : If tick this , the patrol person in report result will refer to staff ID cards name.

Not requested ☒ Specific personnel ☐ Team ☐

Add schedule

Basic information

Schedule name: Demo route \*

Start time: 18 August 2016

Allowable error: 0

Late error: 0

Daily ☒ Weekly ☐ Monthly ☐ Every N days ☐

<Schedule mode: Daily>

Add period of working

Start time: 10:20:00

Working time: 60 Minute

Time to rest: 10 Minute

Not requested ☒ Specific personnel ☐ Team ☐

Cycle times: 2

Notice: If not assign a patrol personnel , will recognize person via staff card.

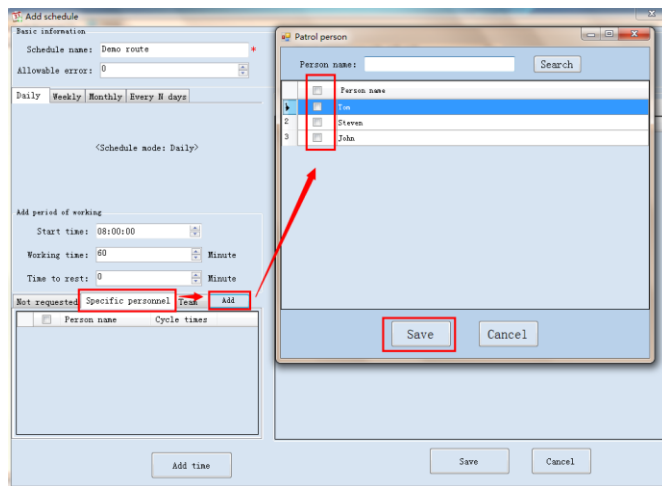
Add time  Save  Cancel

Time information

Schedule mode: Daily ☒ Delete ☐ Clear all data Rest 22 hour workable

|   | Start time | End time | Next days |
|---|------------|----------|-----------|
| 1 | 08:00:00   | 08:59:59 |           |
| 2 | 09:10:00   | 10:09:59 |           |

- **Specified personnel** : Can specify officer to assigned patrol period .



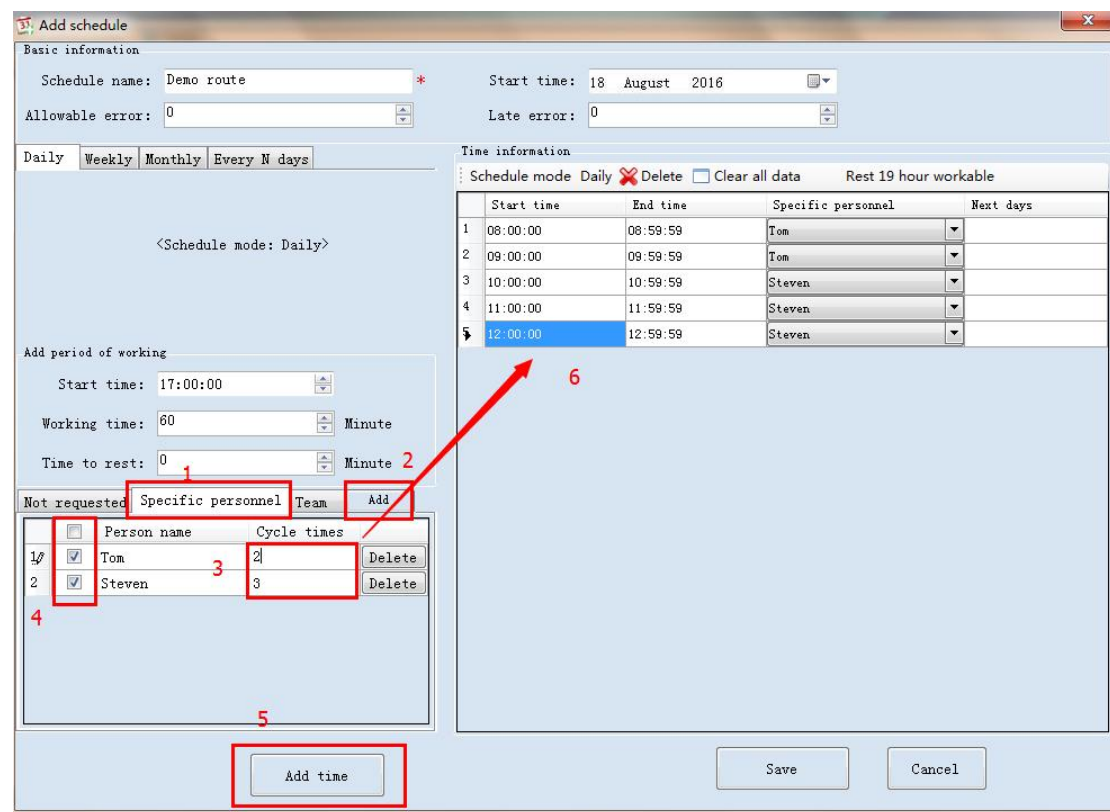
You can assign cycle time freely for every specified personnel . As below :

Tom : 2 times cycle

Steven : 3 times cycle

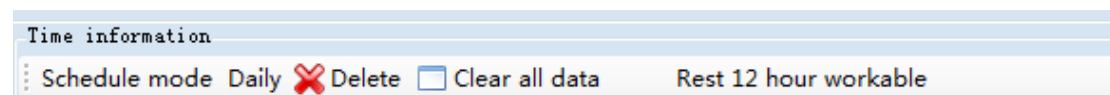
The schedule data will be with the order :

TOM ---TOM---STEVEN--- STEVEN--- STEVEN---

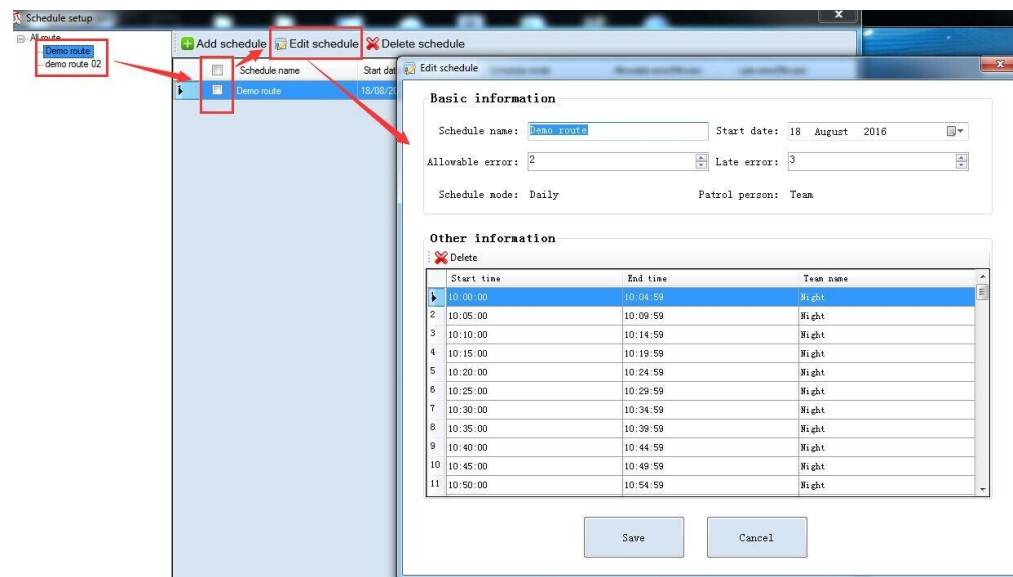


➤Team : Specify "team " for patrol schedule .

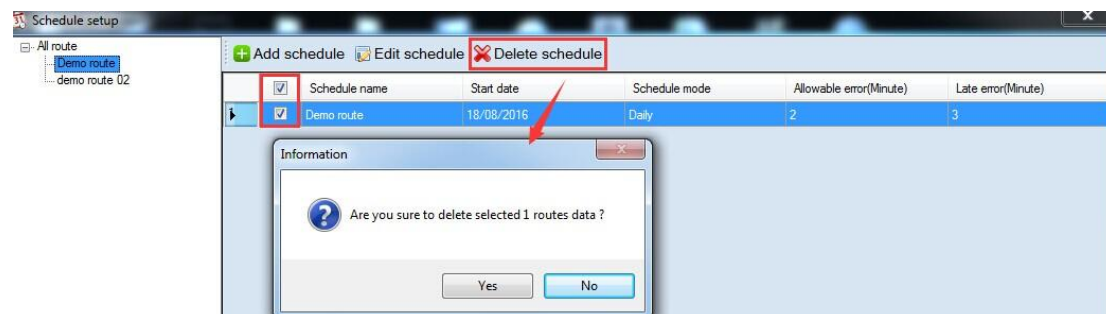
"Rest xx hours " means how many hours you can dominate for patrol period .



2. Edit schedule : Tick the schedule you want to edit , you can change the schedule name, start date , allowable error , Late error , delete some patrol period .

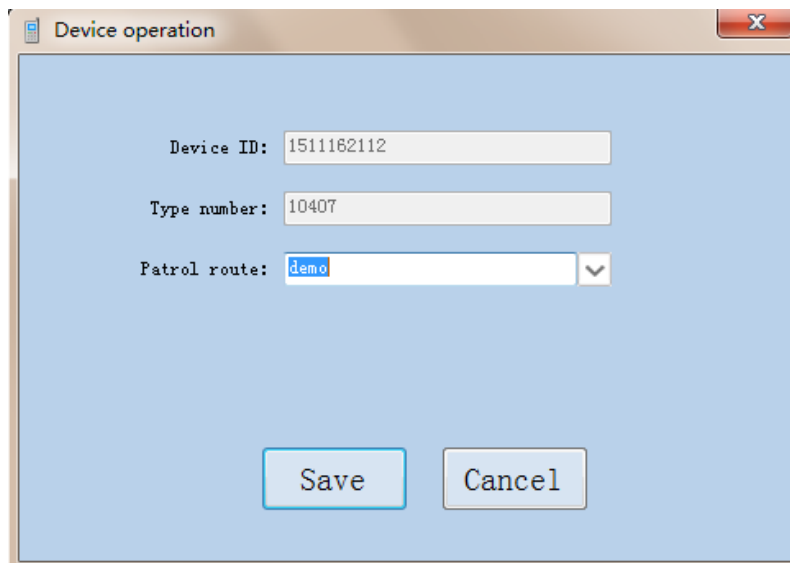


3 Delete schedule : Select schedule --- Click “delete schedule” .



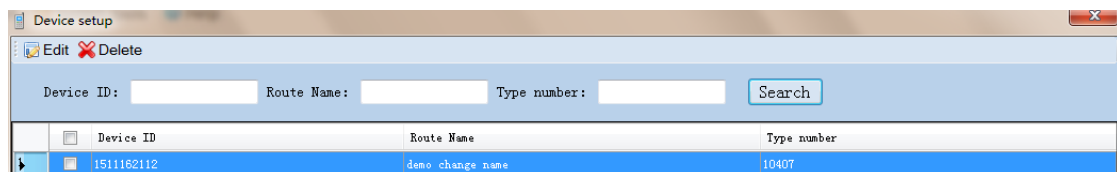
## 9.6. Device setup

1. Edit device information (you can change device binding from one route to another route).



A dialog box titled "Device operation" with a close button (X) in the top right corner. It contains three input fields: "Device ID:" with the value "1511162112", "Type number:" with the value "10407", and "Patrol route:" with a dropdown menu showing "demo". At the bottom, there are two buttons: "Save" and "Cancel".

2. Delete device information : Select device and click “ delete” , you can delete device from software (this also means cancel device binding from patrol route ) .
3. Query device information : You can query device information by device ID , belonging route name and type ID .



A dialog box titled "Device setup" with a close button (X) in the top right corner. It has a toolbar with "Edit" and "Delete" icons. Below the toolbar are three input fields: "Device ID:", "Route Name:", and "Type number:", followed by a "Search" button. At the bottom, there is a table with three columns: "Device ID", "Route Name", and "Type number".

| Device ID  | Route Name       | Type number |
|------------|------------------|-------------|
| 1511162112 | demo change name | 10407       |

## 10. Report

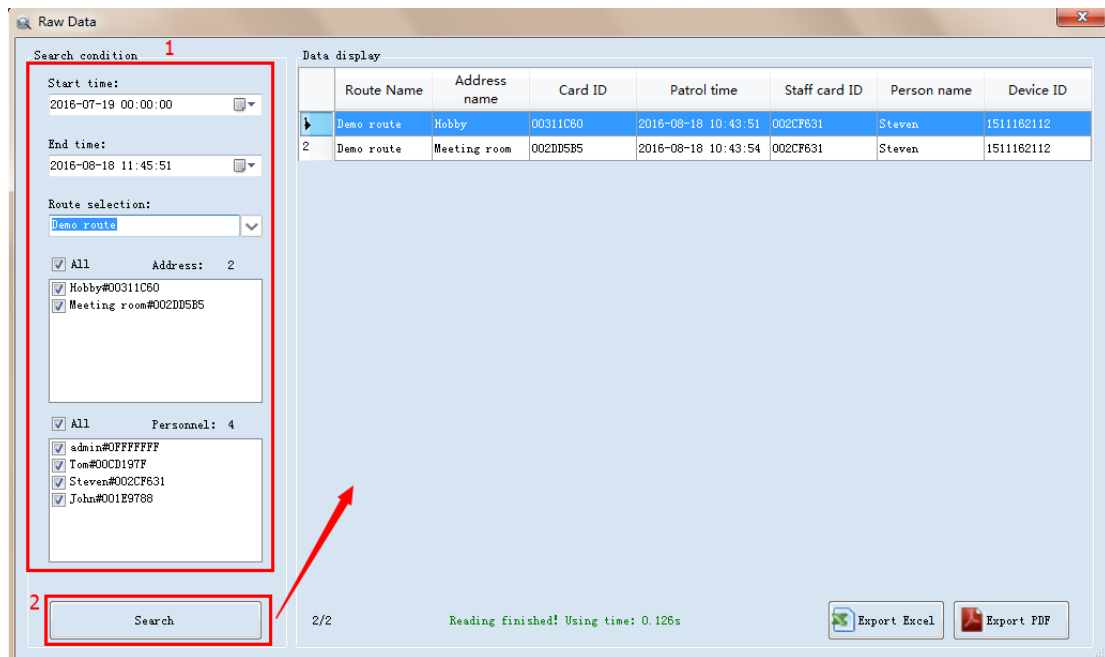
### 10.1. Raw data

1. Add data get from patrol device will stored here . Once you connect device to software and clicked “ Read record ” from “data communication ”. Data will be kept into database .

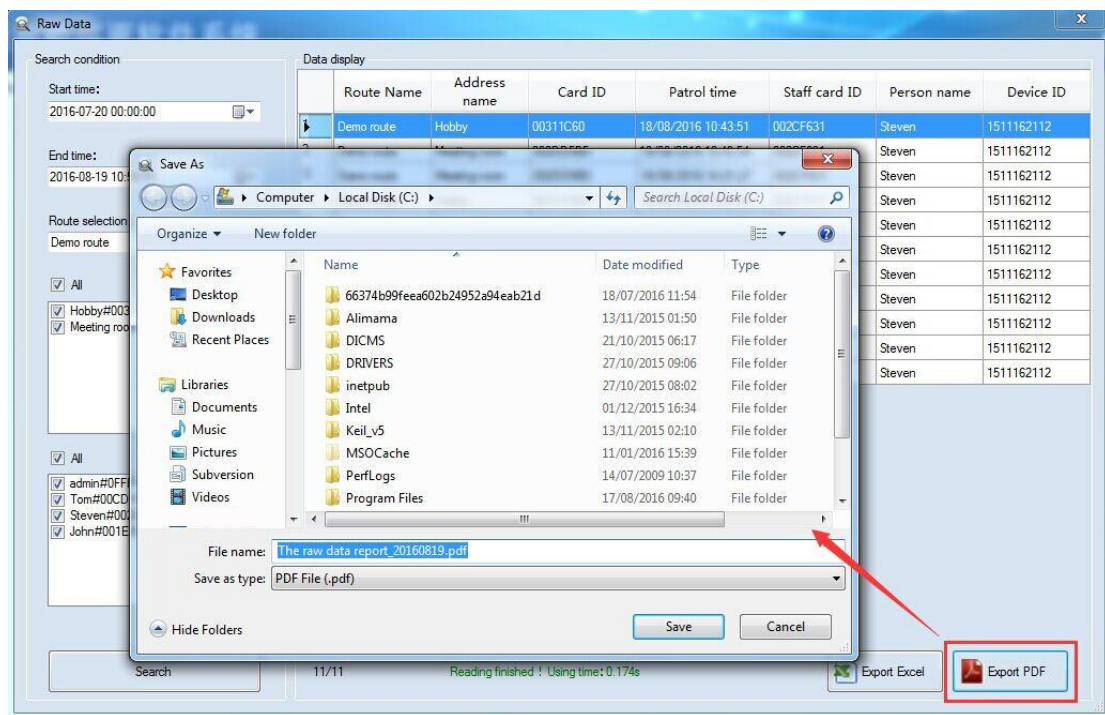
So if data is not cleared from “raw data ”, you can find from here .

Query condition :

1. Start and End time : The smaller the query time range , the faster speed the data displayed .
2. Route selection : Because software without limit of patrol route , you can specify which route data you want to query.
3. Address and personnel : Once patrol routed is confirmed , you can specify which address card data under this patrol route and which patrol officer’s data you want to query .

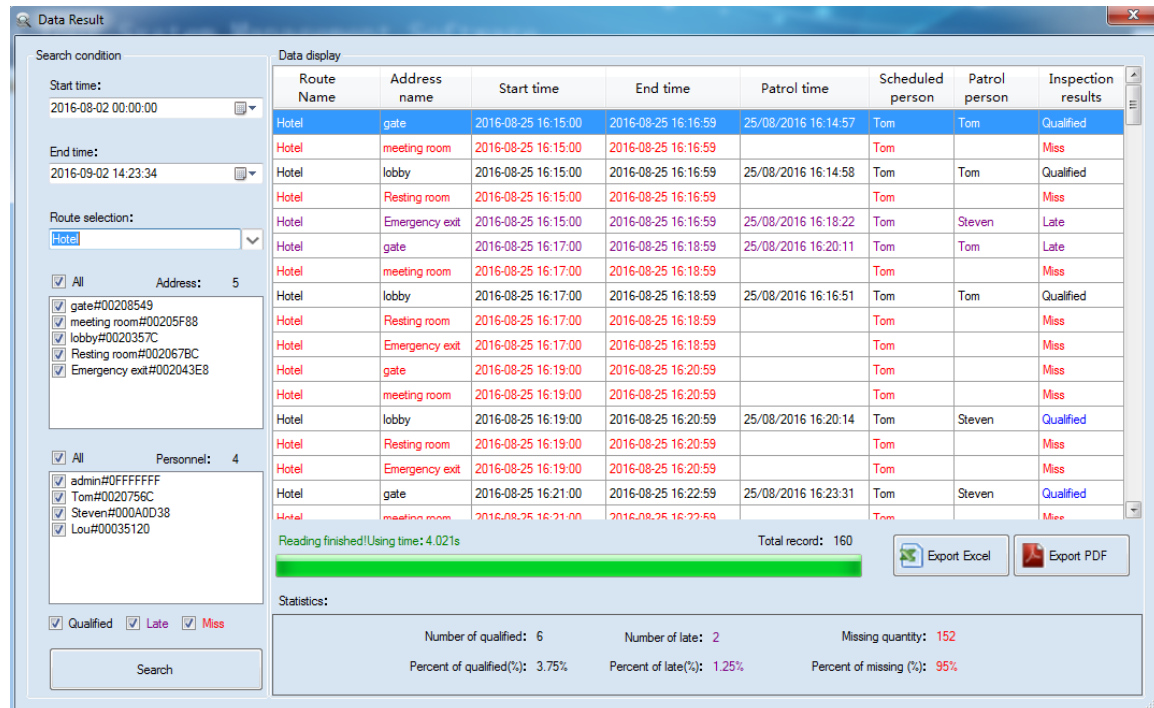


4. Export PDF or Excel : You can click “Export Excel ” or Export PDF” to export data file .



## 10.2. Data result (This report is for the patrol route with is set with schedule)

If you have create schedule for patrol route , “Data result ” can process data intelligently and show you result after comparing with the schedule you set . The result usually are “ Miss ” “Qualified” “Late”.



Notice : If there are multiple record during querying patrol period , system will just extract the earliest patrol time .

If patrol person and scheduled person is the same one , the “Qualified ” result is in black color . If scheduled person and patrol person is not the same one , the “Qualified ” result will be in “Blue color ”.

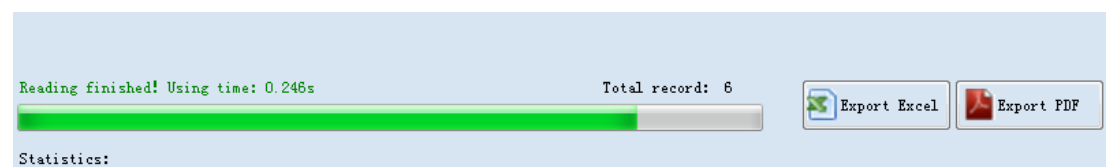
Result judgement standard :

**Qualified** : If the patrol time is from 8:00-9:00 , the allowable error is 5 minutes , so the data at the time 07:55 to 09:05 will be judged as “Qualified ” .

**Late** : If the patrol time is from 8:00-9:00 , the late error is 10 minutes , so the data at the time 09:05 -09:10 will be judged as “late” .

**Miss** : The data beyond scheduled patrol time . If the schedule patrol time is 8:00-9:00, allowable error is 5 minutes , late error is 10 minutes , the data after time 09:10 will be judged as “Miss ”

➤ **Using time** : processing bar show data processing .Using time is the time-consuming for full data processing .



➤ **Total record** : The count for all data display under your query condition

➤ **Statistics**: Count for “Qualified” “Late” “Miss” data under your query condition and their rate .





**Data Result**

Search condition: Start time: 2016-08-18 10:43:51, End time: 2016-08-18 10:43:54

Data display: Route, Address, Scheduled person, Patrol person, Inspection results

Save As dialog box: File name: Data query statements\_20160819.xls, Save as type: Excel File (\*.xls)

Export Excel button highlighted.

Summary statistics:

|                                |                        |                                |
|--------------------------------|------------------------|--------------------------------|
| Number of qualified: 9         | Number of late: 0      | Missing quantity: 255          |
| Percent of qualified(%): 3.41% | Percent of late(%): 0% | Percent of missing (%): 96.59% |

**Information**

Data query statements\_20160819File created , open it now?

Yes No

Reading finished ! Using time: 13.919s

Total record: 264

Export Excel Export PDF

|    | A          | B            | C                   | D                   | E                   | F                | G             | H                  |
|----|------------|--------------|---------------------|---------------------|---------------------|------------------|---------------|--------------------|
|    | Route Name | Address name | Start time          | End time            | Patrol time         | Scheduled person | Patrol person | Inspection results |
| 2  | Demo route | Hobby        | 2016-08-18 10:00:00 | 2016-08-18 10:04:59 |                     | Night            |               | Miss               |
| 3  | Demo route | Meeting room | 2016-08-18 10:00:00 | 2016-08-18 10:04:59 |                     | Night            |               | Miss               |
| 4  | Demo route | Hobby        | 2016-08-18 10:05:00 | 2016-08-18 10:09:59 |                     | Night            |               | Miss               |
| 5  | Demo route | Meeting room | 2016-08-18 10:05:00 | 2016-08-18 10:09:59 |                     | Night            |               | Miss               |
| 6  | Demo route | Hobby        | 2016-08-18 10:10:00 | 2016-08-18 10:14:59 |                     | Night            |               | Miss               |
| 7  | Demo route | Meeting room | 2016-08-18 10:10:00 | 2016-08-18 10:14:59 |                     | Night            |               | Miss               |
| 8  | Demo route | Hobby        | 2016-08-18 10:15:00 | 2016-08-18 10:19:59 |                     | Night            |               | Miss               |
| 9  | Demo route | Meeting room | 2016-08-18 10:15:00 | 2016-08-18 10:19:59 |                     | Night            |               | Miss               |
| 10 | Demo route | Hobby        | 2016-08-18 10:20:00 | 2016-08-18 10:24:59 |                     | Night            |               | Miss               |
| 11 | Demo route | Meeting room | 2016-08-18 10:20:00 | 2016-08-18 10:24:59 |                     | Night            |               | Miss               |
| 12 | Demo route | Hobby        | 2016-08-18 10:25:00 | 2016-08-18 10:29:59 |                     | Night            |               | Miss               |
| 13 | Demo route | Meeting room | 2016-08-18 10:25:00 | 2016-08-18 10:29:59 |                     | Night            |               | Miss               |
| 14 | Demo route | Hobby        | 2016-08-18 10:30:00 | 2016-08-18 10:34:59 |                     | Night            |               | Miss               |
| 15 | Demo route | Meeting room | 2016-08-18 10:30:00 | 2016-08-18 10:34:59 |                     | Night            |               | Miss               |
| 16 | Demo route | Hobby        | 2016-08-18 10:35:00 | 2016-08-18 10:39:59 |                     | Night            |               | Miss               |
| 17 | Demo route | Meeting room | 2016-08-18 10:35:00 | 2016-08-18 10:39:59 |                     | Night            |               | Miss               |
| 18 | Demo route | Hobby        | 2016-08-18 10:40:00 | 2016-08-18 10:44:59 | 18/08/2016 10:43:51 | Night            | Steven        | Qualified          |
| 19 | Demo route | Meeting room | 2016-08-18 10:40:00 | 2016-08-18 10:44:59 | 18/08/2016 10:43:54 | Night            | Steven        | Qualified          |
| 20 | Demo route | Hobby        | 2016-08-18 10:45:00 | 2016-08-18 10:49:59 |                     | Night            |               | Miss               |
| 21 | Demo route | Meeting room | 2016-08-18 10:45:00 | 2016-08-18 10:49:59 |                     | Night            |               | Miss               |
| 22 | Demo route | Hobby        | 2016-08-18 10:50:00 | 2016-08-18 10:54:59 |                     | Night            |               | Miss               |
| 23 | Demo route | Meeting room | 2016-08-18 10:50:00 | 2016-08-18 10:54:59 |                     | Night            |               | Miss               |
| 24 | Demo route | Hobby        | 2016-08-18 10:55:00 | 2016-08-18 10:59:59 |                     | Night            |               | Miss               |
| 25 | Demo route | Meeting room | 2016-08-18 10:55:00 | 2016-08-18 10:59:59 |                     | Night            |               | Miss               |
| 26 | Demo route | Meeting room | 2016-08-18 10:55:00 | 2016-08-18 10:59:59 |                     | Night            |               | Miss               |

Notice: If result show "Query data is empty", please check whether your query time is beyond your schedule .



Search condition

Start time:

2016-07-19 00:00:00

End time:

2016-08-17 14:05:51

Route selection:

Demo route

☒ All

Address: 2

☒ Hobby#00311C60

☒ Meeting room#002DD5B5

☒ All

Personnel: 4

☒ admin#0FFFFFFF

☒ Tom#00CD197F

☒ Steven#002CF631

☒ John#001E9788

☒ Qualified
☒ Late
☒ Miss

Search

Data display

| Route Name            | Address name | Start time | End time | Patrol time | Scheduled person | Patrol person | Inspection results |
|-----------------------|--------------|------------|----------|-------------|------------------|---------------|--------------------|
| <Query data is empty> |              |            |          |             |                  |               |                    |

No data under this query condition !

Total record: 0

Export Excel

Export PDF

Statistics:

Number of qualified: 0

Number of late: 0

Missing quantity: 0

Percent of qualified(%): 0%

Percent of late(%): 0%

Percent of missing (%): 0%

Schedule setup

All route

Demo route

+ Add schedule

Edit schedule

Delete schedule

|  | Schedule name | Start date | Schedule mode | Allowable error (Minute) | Late error (Minute) |
|--|---------------|------------|---------------|--------------------------|---------------------|
|  | Demo route    | 2016-08-18 | Daily         | 0                        | 0                   |

### 10.3. Data count (This report if for non-scheduled data )

If no patrol schedule set for patrol route , the data result under your query condition will show here and ranking with check point order .

There are 4 types report available (Displayed “by address”, “By date”, “By address & staff” and “By staff &date”) .

A. **Report by address** : Report result are listed with address order

**Data Count**

Search condition

Start time: 2016-11-21 00:00:00

End time: 2016-12-21 18:51:00

Route selection: Demo

☒ All Address: 3

☒ 1F#002E041A  
☒ 2F#0077FB27  
☒ 3F#00CD197F

Search

By address By date By address&staff By staff&date

|    | Card ID  | Address name | Patrol time | Patrol time                                  | Count |
|----|----------|--------------|-------------|--|-------|
| 60 | 00CD197F | 3F           | 2016-12-10  |  | 0     |
| 61 | 002E041A | 1F           | 2016-12-11  |  | 0     |
| 62 | 0077FB27 | 2F           | 2016-12-11  |  | 0     |
| 63 | 00CD197F | 3F           | 2016-12-11  |  | 0     |
| 64 | 002E041A | 1F           | 2016-12-12  | 09:55:07                                     | 1     |
| 65 | 0077FB27 | 2F           | 2016-12-12  | 09:55:14                                     | 1     |
| 66 | 00CD197F | 3F           | 2016-12-12  | 09:55:12 09:55:19                            | 2     |
| 67 | 002E041A | 1F           | 2016-12-13  | 15:32:05 15:32:09 15:32:12 15:32:23 15:32:27 | 5     |
| 68 | 0077FB27 | 2F           | 2016-12-13  |  | 0     |
| 69 | 00CD197F | 3F           | 2016-12-13  |  | 0     |
| 70 | 002E041A | 1F           | 2016-12-14  |  | 0     |
| 71 | 0077FB27 | 2F           | 2016-12-14  |  | 0     |
| 72 | 00CD197F | 3F           | 2016-12-14  |  | 0     |
| 73 | 002E041A | 1F           | 2016-12-15  |  | 0     |
| 74 | 0077FB27 | 2F           | 2016-12-15  |  | 0     |
| 75 | 00CD197F | 3F           | 2016-12-15  |  | 0     |
| 76 | 002E041A | 1F           | 2016-12-16  |  | 0     |
| 77 | 0077FB27 | 2F           | 2016-12-16  |  | 0     |
| 78 | 00CD197F | 3F           | 2016-12-16  |  | 0     |
| 79 | 002E041A | 1F           | 2016-12-17  |  | 0     |
| 80 | 0077FB27 | 2F           | 2016-12-17  |  | 0     |

Reading finished!Using time: 0.607s

Total record: 93

Export Excel Export PDF

B. **Report by date** : Report result are listed with date order

**Data Count**

Search condition

Start time: 2016-11-21 00:00:00

End time: 2016-12-21 18:51:00

Route selection: Demo

☒ All Address: 3

☒ 1F#002E041A  
☒ 2F#0077FB27  
☒ 3F#00CD197F

Search

By address By date By address&staff By staff&date

|    | Patrol time | Card ID  | Address name | Patrol time                                  | Count |
|----|-------------|----------|--------------|--|-------|
| 60 |             | 00CD197F | 3F           |  | 0     |
| 61 | 2016-12-11  | 002E041A | 1F           |  | 0     |
| 62 |             | 0077FB27 | 2F           |  | 0     |
| 63 |             | 00CD197F | 3F           |  | 0     |
| 64 | 2016-12-12  | 002E041A | 1F           | 09:55:07                                     | 1     |
| 65 |             | 0077FB27 | 2F           | 09:55:14                                     | 1     |
| 66 |             | 00CD197F | 3F           | 09:55:12 09:55:19                            | 2     |
| 67 | 2016-12-13  | 002E041A | 1F           | 15:32:05 15:32:09 15:32:12 15:32:23 15:32:27 | 5     |
| 68 |             | 0077FB27 | 2F           |  | 0     |
| 69 |             | 00CD197F | 3F           |  | 0     |
| 70 | 2016-12-14  | 002E041A | 1F           |  | 0     |
| 71 |             | 0077FB27 | 2F           |  | 0     |
| 72 |             | 00CD197F | 3F           |  | 0     |
| 73 | 2016-12-15  | 002E041A | 1F           |  | 0     |
| 74 |             | 0077FB27 | 2F           |  | 0     |
| 75 |             | 00CD197F | 3F           |  | 0     |
| 76 | 2016-12-16  | 002E041A | 1F           |  | 0     |
| 77 |             | 0077FB27 | 2F           |  | 0     |
| 78 |             | 00CD197F | 3F           |  | 0     |
| 79 | 2016-12-17  | 002E041A | 1F           |  | 0     |
| 80 |             | 0077FB27 | 2F           |  | 0     |
| 81 |             | 00CD197F | 3F           |  | 0     |

Reading finished!Using time: 0.217s

Total record: 93

Export Excel Export PDF

C. **Report by address &staff** : Report result are listed with address and all staff listing order

**Data Count**

Search condition

Start time: 2016-11-21 00:00:00

End time: 2016-12-21 18:51:00

Route selection: Demo

☒ All Address: 3

☒ 1F#002E041A  
☒ 2F#0077FB27  
☒ 3F#00CD197F

☒ All Personnel: 7

☒ admin#0FFFFFFF  
☒ Lynn#12545454  
☒ Lisa#33233344  
☒ Tom#12345555  
☒ LULU#33444444  
☒ nana#AA311222  
☒ Sam#23334444

Search

By address By date By address&staff By staff&date

| Card ID | Address name | Patrol person | Patrol time | Patrol time                                  | Count |
|---------|--------------|---------------|-------------|--|-------|
| 447     |              | nana          | 2016-12-12  |  | 0     |
| 448     |              | Sam           | 2016-12-12  |  | 0     |
| 449     | 0077FB27 2F  | admin         | 2016-12-12  | 09:55:14                                     | 1     |
| 450     |              | Lynn          | 2016-12-12  |  | 0     |
| 451     |              | Lisa          | 2016-12-12  |  | 0     |
| 452     |              | Tom           | 2016-12-12  |  | 0     |
| 453     |              | LULU          | 2016-12-12  |  | 0     |
| 454     |              | nana          | 2016-12-12  |  | 0     |
| 455     |              | Sam           | 2016-12-12  |  | 0     |
| 456     | 00CD197F 3F  | admin         | 2016-12-12  | 09:55:12 09:55:19                            | 2     |
| 457     |              | Lynn          | 2016-12-12  |  | 0     |
| 458     |              | Lisa          | 2016-12-12  |  | 0     |
| 459     |              | Tom           | 2016-12-12  |  | 0     |
| 460     |              | LULU          | 2016-12-12  |  | 0     |
| 461     |              | nana          | 2016-12-12  |  | 0     |
| 462     |              | Sam           | 2016-12-12  |  | 0     |
| 463     | 002E041A 1F  | admin         | 2016-12-13  | 15:32:05 15:32:09 15:32:12 15:32:23 15:32:27 | 5     |
| 464     |              | Lynn          | 2016-12-13  |  | 0     |
| 465     |              | Lisa          | 2016-12-13  |  | 0     |
| 466     |              | Tom           | 2016-12-13  |  | 0     |
| 467     |              | LULU          | 2016-12-13  |  | 0     |

Reading finished!Using time: 1.209s Total record: 651

Export Excel Export PDF

D. **Report by address &date** : Report result are listed with address and all staff listing order

**Data Count**

Search condition

Start time: 2016-11-21 00:00:00

End time: 2016-12-21 18:51:00

Route selection: Demo

☒ All Address: 3

☒ 1F#002E041A  
☒ 2F#0077FB27  
☒ 3F#00CD197F

☒ All Personnel: 7

☒ admin#0FFFFFFF  
☒ Lynn#12545454  
☒ Lisa#33233344  
☒ Tom#12345555  
☒ LULU#33444444  
☒ nana#AA311222  
☒ Sam#23334444

Search

By address By date By address&staff By staff&date

| Patrol time | Patrol person    | Card ID     | Address name | Patrol time       | Count |
|-------------|------------------|-------------|--------------|-------------------|-------|
| 438         |                  | 00CD197F 3F |              |                   | 0     |
| 439         | Sam              | 002E041A 1F |              |                   | 0     |
| 440         |                  | 0077FB27 2F |              |                   | 0     |
| 441         |                  | 00CD197F 3F |              |                   | 0     |
| 442         | 2016-12-12 admin | 002E041A 1F |              | 09:55:07          | 1     |
| 443         |                  | 0077FB27 2F |              | 09:55:14          | 1     |
| 444         |                  | 00CD197F 3F |              | 09:55:12 09:55:19 | 2     |
| 445         | Lynn             | 002E041A 1F |              |                   | 0     |
| 446         |                  | 0077FB27 2F |              |                   | 0     |
| 447         |                  | 00CD197F 3F |              |                   | 0     |
| 448         | Lisa             | 002E041A 1F |              |                   | 0     |
| 449         |                  | 0077FB27 2F |              |                   | 0     |
| 450         |                  | 00CD197F 3F |              |                   | 0     |
| 451         | Tom              | 002E041A 1F |              |                   | 0     |
| 452         |                  | 0077FB27 2F |              |                   | 0     |
| 453         |                  | 00CD197F 3F |              |                   | 0     |
| 454         | LULU             | 002E041A 1F |              |                   | 0     |
| 455         |                  | 0077FB27 2F |              |                   | 0     |
| 456         |                  | 00CD197F 3F |              |                   | 0     |
| 457         | nana             | 002E041A 1F |              |                   | 0     |
| 458         |                  | 0077FB27 2F |              |                   | 0     |
| 459         |                  | 00CD197F 3F |              |                   | 0     |

Reading finished!Using time: 1.198s Total record: 651

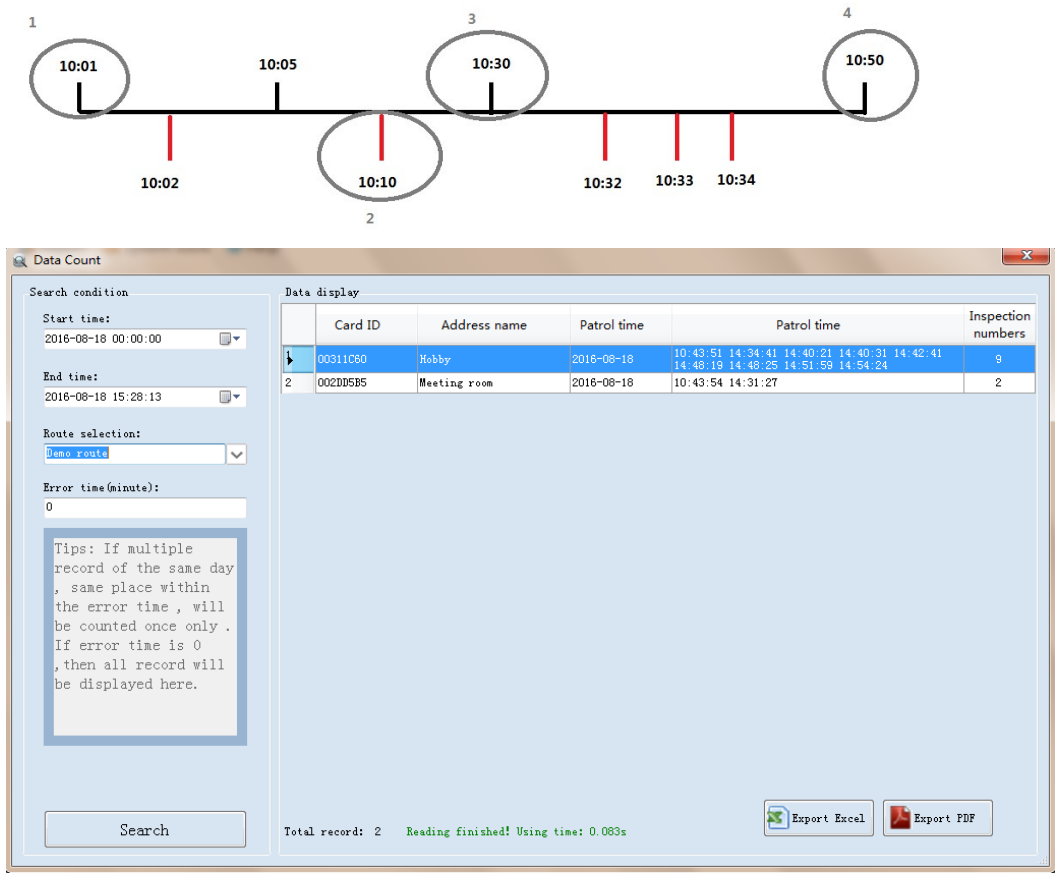
Export Excel Export PDF

Error time: The patrol time result error . If multiple record of the same day , same place within the error time , will be counted once only . If “error time” is 0, all recorded data in device of scheduled check point will all displayed here .

The first time appear on the time list will be regarded as the first time , 5 minutes error is based on the first time one, till the second valid time listed out, 5 minutes error superposed again , till the third time...

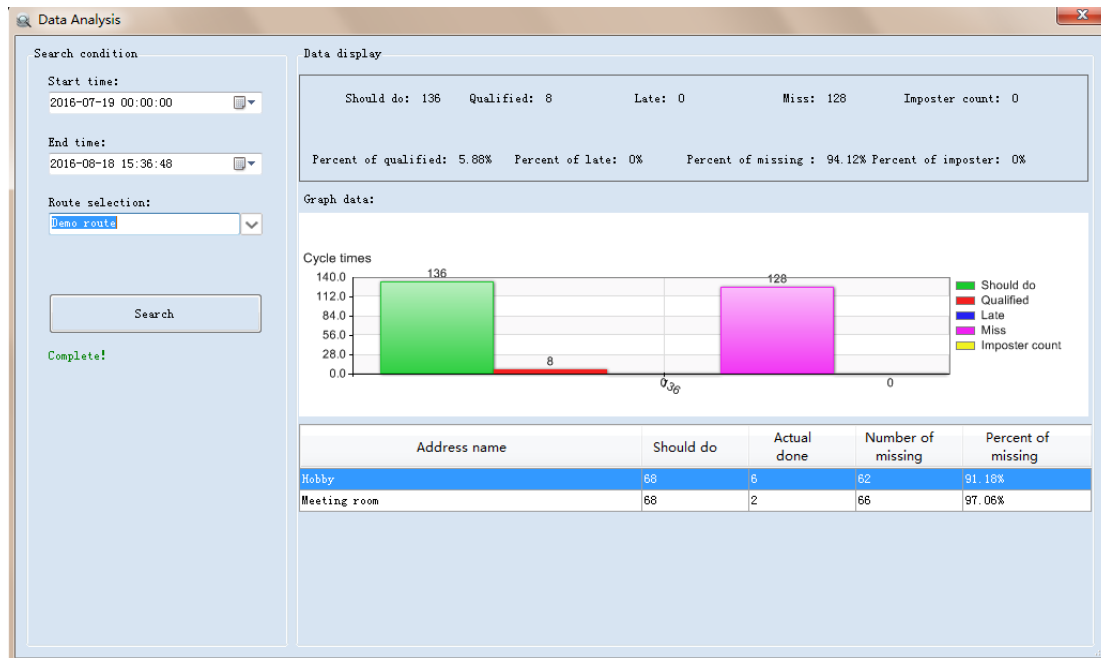
For example , if the “error time ” is 5 minutes , the first reading time recorded is 10:01, so the time within 10:01-10:06 will be ignored till the next data appear which beyond time 10:06, below picture time is 10:10, if data

within 10:10-10:05, will be ignored and only 10:10 left , till the next data time 10:30 appeared , if data within 10:30-10:35, will be ignored and only 10:30 left ,till the next piece of data time 10:50 appeared .



2. Export PDF and Excel : You can click “Export Excel” or Export PDF ” to save these file to your computer .

## 10.4 Data Analysis



Query the data statistics chart as your time condition

1. Full in the search condition and click "Search" to query the result .As below picture

**Should do :** The patrol quantity should to do , this is calculated based on generated patrol schedule

**Actual done:** The actually patrol did ("Qualified data ") or also "Qualified data " and "Late data" (if "late error ") . **If multiple data existed at the same patrol period for the same location, will be counted once only .**

**Qualified :** "Qualified data " at the scheduled patrol period ( these data result are the same as in "Data result "report ) .

**Late :** "Late data " at the scheduled patrol period . ( these data result are the same as in "Data result "report ) .

**Miss :** "Miss data " at the scheduled patrol period .( these data result are the same as in "Data result "report ) .

**Imposter count :** Result calculate for the "imposter data" .

## 10.5 Impact record

You can query the impact record data stored in the patrol device under your query date condition. The data displayed here are the same as the one under "Data communication "- "Impact record" .

Please note the search date selection ,if no impact record generated under your search date condition, there will be nothing displayed here .

**Impact record**

Search condition

Start time:  
2016-06-01 00:00:00

End time:  
2016-06-18 16:30:32

Route selection:  
Demo route

Search

Data display

|   | Route Name | Device ID  | Type number | Impact time         |
|---|------------|------------|-------------|---------------------|
| 1 | Demo route | 1511162112 | 10407       | 2016-06-28 15:48:21 |
| 2 | Demo route | 1511162112 | 10407       | 2016-06-28 15:48:24 |
| 3 | Demo route | 1511162112 | 10407       | 2016-06-28 15:48:32 |
| 4 | Demo route | 1511162112 | 10407       | 2016-07-06 11:53:57 |
| 5 | Demo route | 1511162112 | 10407       | 2016-07-06 11:54:01 |
| 6 | Demo route | 1511162112 | 10407       | 2016-07-14 10:40:30 |

Counts: 20 page 1 Total 1 Pages, Total 6 pcs

Export Excel Export PDF

**Data Communication**

Basic information

Connection status: [Well connection](#) Device ID: 1605167593 Record count: 5

Route: [demo](#) Type number: 00010105 Impact record count: 5

Device clock: **2017-02-16 15:31:12** Device clock had been updated with computer successfully!

Device operation

Patrol data Impact record

| No. | Impact time         |
|-----|---------------------|
| 1   | 2016-10-25 10:35:51 |
| 2   | 2016-10-26 10:07:38 |
| 3   | 2016-12-02 18:20:03 |
| 4   | 2016-12-02 18:20:17 |
| 5   | 2017-02-06 14:00:31 |

Read record

Synchronize address

Personnel setup

Fingerprint

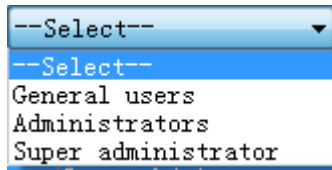
☐ Clear data from device after reading data

Read patrol data and impact record finished! Record count: 5; Total time: 1.189s

## 11. System tools

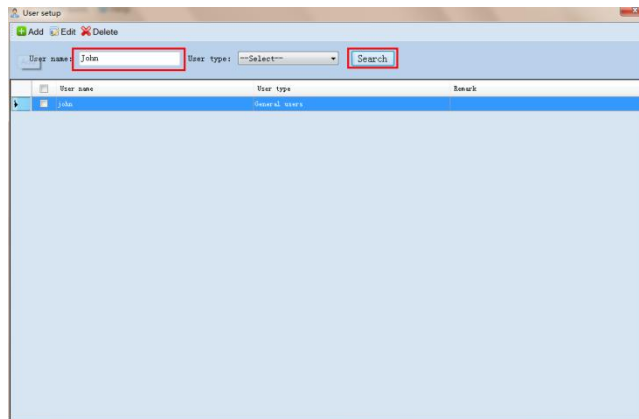
### 11.1 User setup

There are 3 types user can be created : Super administrator , Administrator , General users



You can Create new user, Edit or delete user , Query use with user name or user type .

1. Query : Type user name or select user type to find result.



2. Add user

#### ■ User type explanation

3 types user : Super administrator (**Admin** , default by system ) , Administrator , General user.

**Super administrator** : There is only one Super administrator allowed in this system , its "**Admin**". It with all permission for software .

**Administrator ,General user** : No much permission difference just Administrator can create "Administrator" and "General User" . General user can only create "General user" .

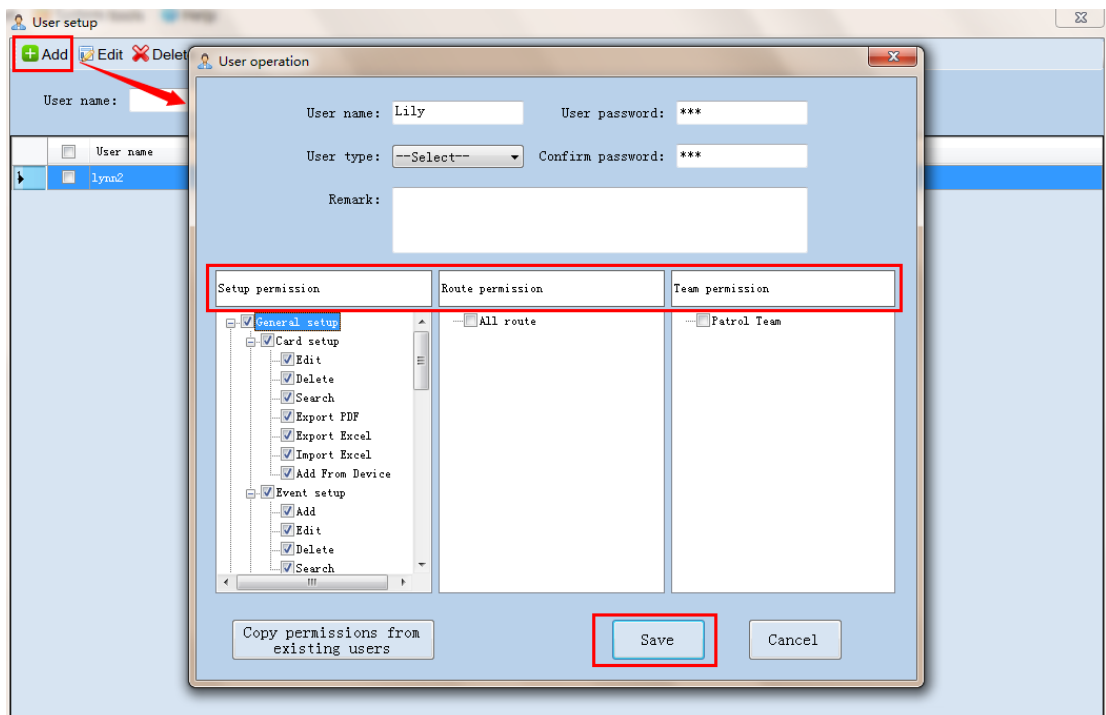
#### Notice :

- (1) When creating new user , can only create General user or Administrator user .
- (2) **Admin** is the system default user account .
- (3) Default password is "123", suggest you to change **Admin** password timely .

(1.) Fill in basic user information (User name , password , user type and operation permission for software .

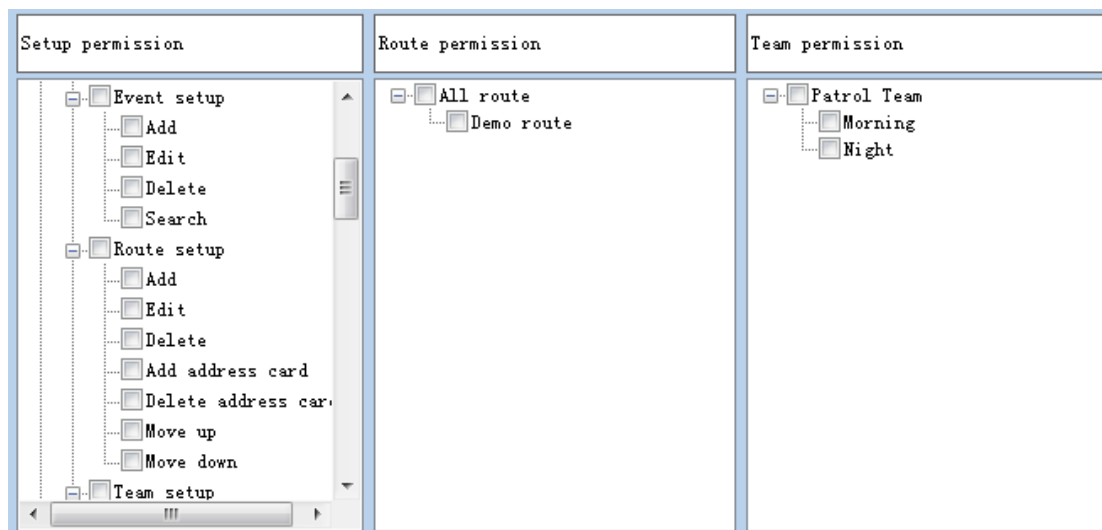
There are 2 types user can be created "Administrator" or "General users" . The difference of General user and Administrator is Administrator can create "Administrator" and "General User" . General user can only create "General user" .

There is only one "Super administrator" allowed , the system default one, can only change the password , and change the operation permission. This account is can't be deleted or change name and user type. "Super administrator" with the highest permission to set all account .



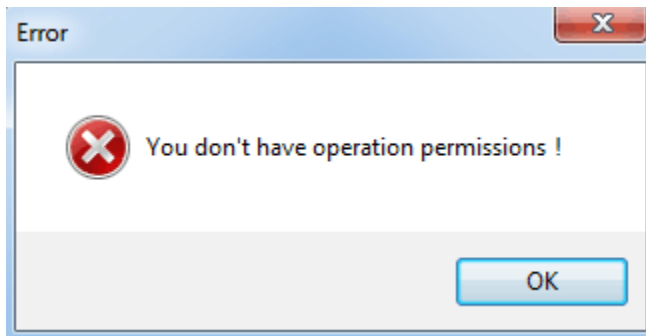
#### ■ Operation permission

Three main operation permission : Setup permission , Route permission, Team permission .As below picture



If not tick the permission option for specified , when the user log in system with his account and operate the related interface , system with show message “ You don’t have operation permissions ! ”. As below picture :





■ Authorization explain

- ◆ All user (Admin not included ) permission are authorized by who created them ;
- ◆ The creator's authorization permission can't beyond what themselves with;

A . For example : Sam with below permission , so the user created by Sam can only with the permission not beyond what Sam with .

As below picture, Sam is without “ Route permission ”, so the user created by Sam should also without this permission .



Notice : The permission the creator must have is “ User setup (Add) ” .

B. User type can be created : If Sam is “ Administrator ” , he can create a new user with type “Administrator ” or “General User” . If Sam is “General User”, he can only create “General User ” also ,can not beyond Sam’s type .

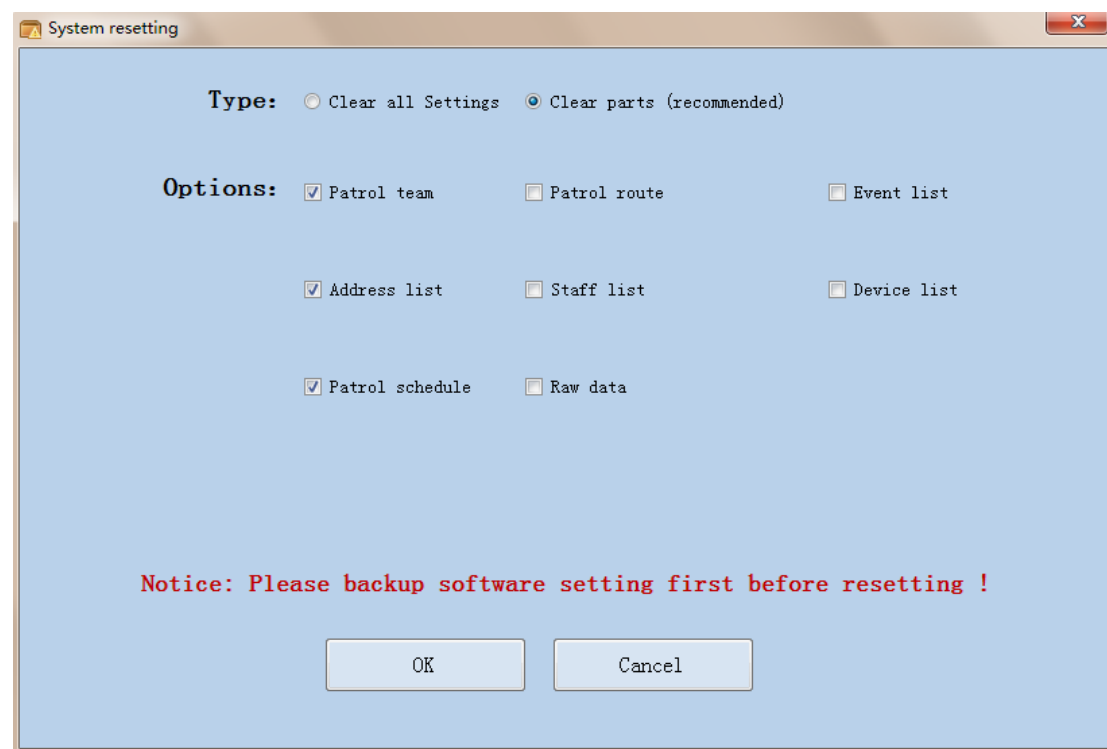
◆ Creator can query , edit and delete the user information which created by them . If not create user, they can only see themselves information .

◆ User can not extend their operation permission only if apply to the creator who created them .

For example , if user “Sam” is created by “Devin”, Sam can only extend his operation permission by applying to Devin.

## 11.2 System resetting

Select the part should be reset , click “OK” to clear information from software (Select you to choose “ Clear parts” to select what you want to delete. Please backup data before resetting , or data will not recovered again).



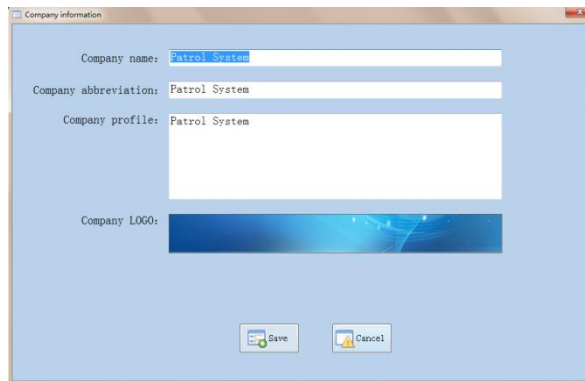
## 11.3. Company information

Company name : Company name , this will be shown as report title

Company abbreviation : Fill in according to actual demand

Company profile : Fill in according to actual demand

Company LOGO: Background of software logo



A dialog box titled "Company information" with a light blue background. It contains four input fields: "Company name:" with "Patrol System" entered, "Company abbreviation:" with "Patrol System" entered, "Company profile:" with "Patrol System" entered, and "Company LOGO:" with a blue abstract image. At the bottom are "Save" and "Cancel" buttons.

Company name: Patrol System

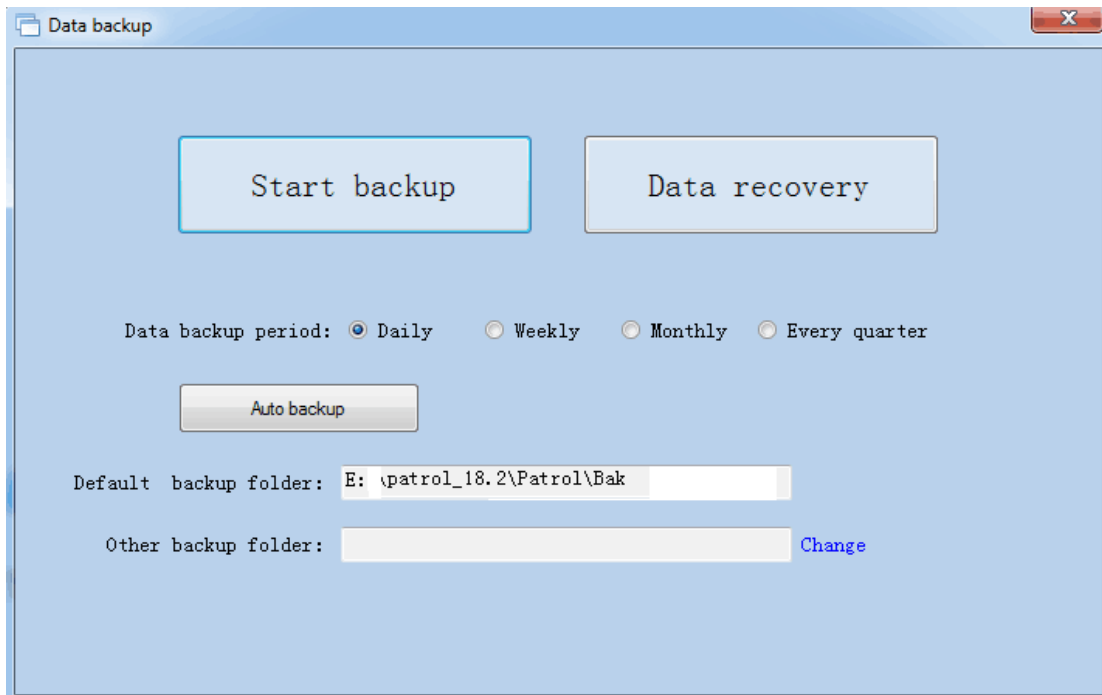
Company abbreviation: Patrol System

Company profile: Patrol System

Company LOGO:

Save Cancel

#### 11.4. Data backup



A dialog box titled "Data backup" with a light blue background. It features two large buttons: "Start backup" and "Data recovery". Below these are radio buttons for "Data backup period": "Daily" (selected), "Weekly", "Monthly", and "Every quarter". There is an "Auto backup" button. Below that are two text input fields: "Default backup folder:" with "E: \patrol\_18.2\Patrol\Bak" and "Other backup folder:". A "Change" link is next to the "Other backup folder:" field.

Start backup Data recovery

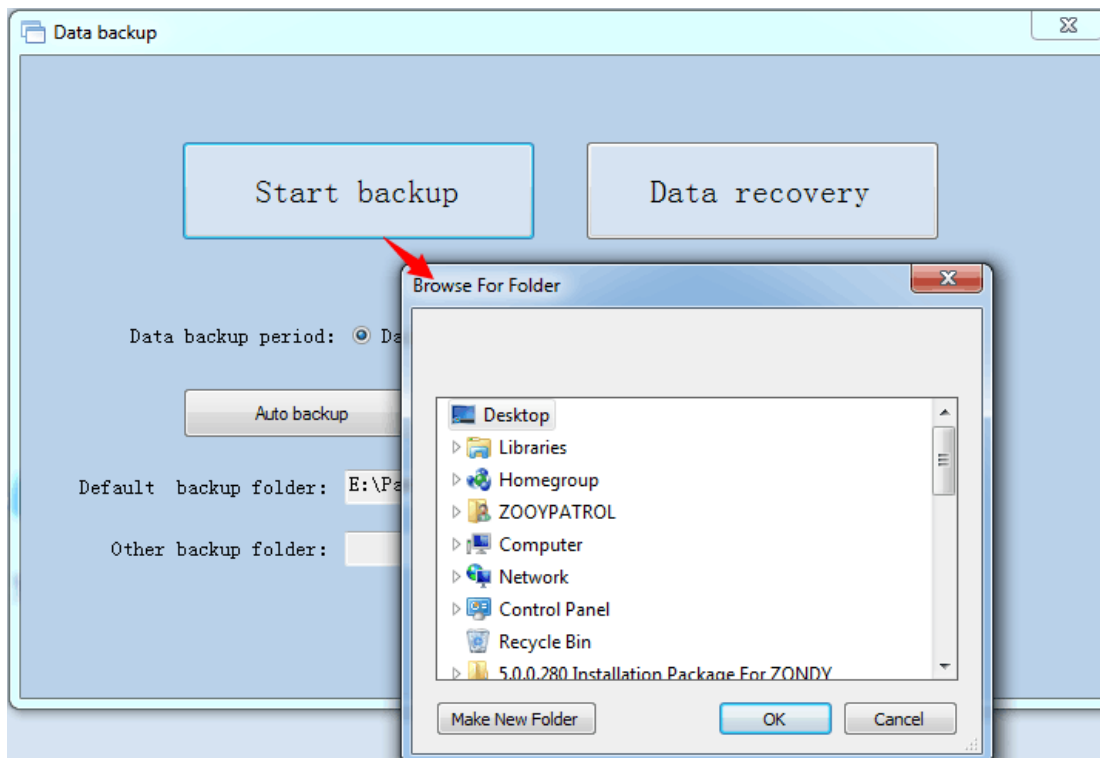
Data backup period: ☒ Daily ☐ Weekly ☐ Monthly ☐ Every quarter

Auto backup

Default backup folder: E: \patrol\_18.2\Patrol\Bak

Other backup folder: Change

- Start backup: Backup the current software database to your specified path



- Data recovery: You can recover any existed backup from your storage path (Including all software setting , data stored in previous database).
- Data backup period: There are 4 types backup period “Daily” “Weekly” “Monthly” “Every quarter” Once click “Auto backup”, software will backup the database automatically as your specified period.
- Default backup folder: Display where is the current database “bak” storing path.
- Specify backup folder : Click to modify the database storage file , you can it put to the location you want .

