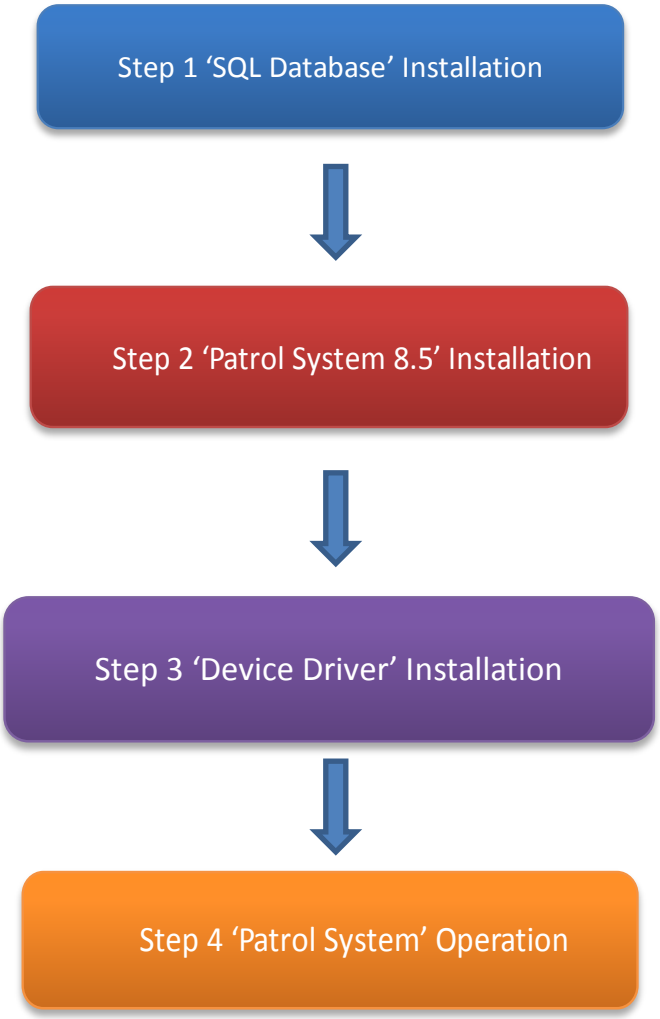
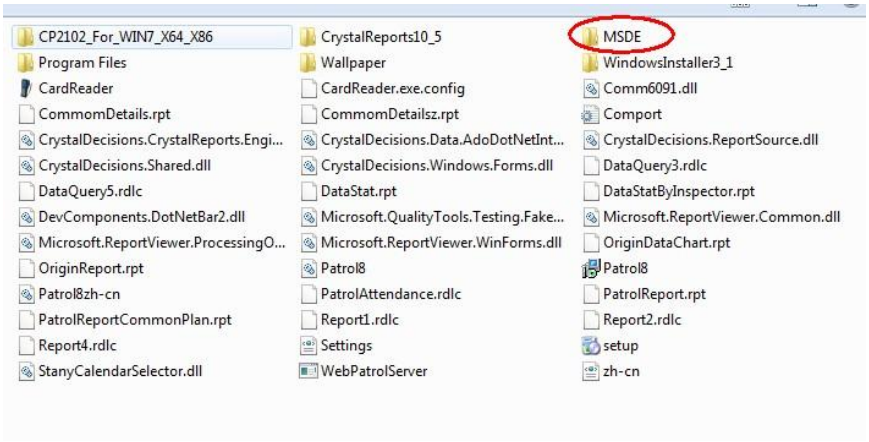
Patrol System V8.5 Manual

Date: 20th May, 2013

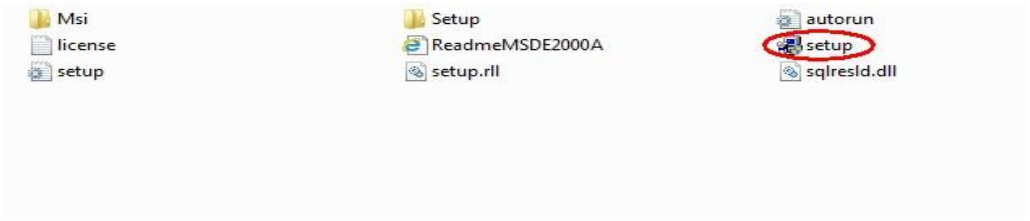
ZOOY Technology Co., LTD


Step 1 'SQL Database' Installation
Step 2 'Patrol System 8.5' Installation
Step 3 'Device Driver' Installation
Step 4 'Patrol System' Operation

1. Installing the SQL Database (take MSDE for example)



1.1 Putting the CD into the CD-ROM, find 'MSDE' folder, double click 'SETUP', should restart computer after installation. As shown in the picture, 'MSDE 'folder contains the files, as shown in the picture,

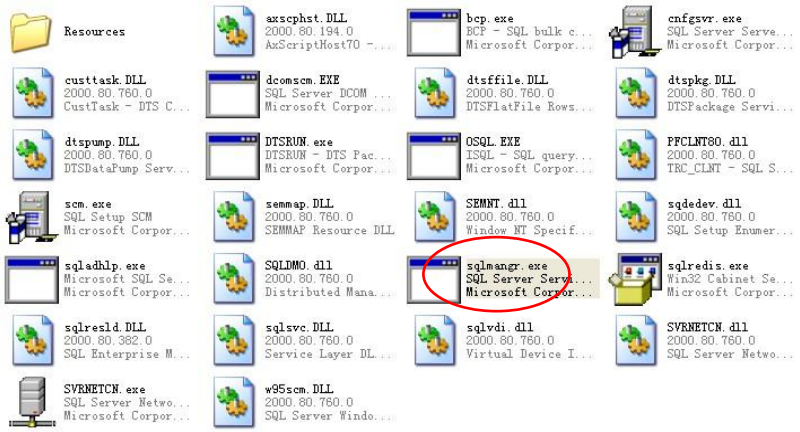


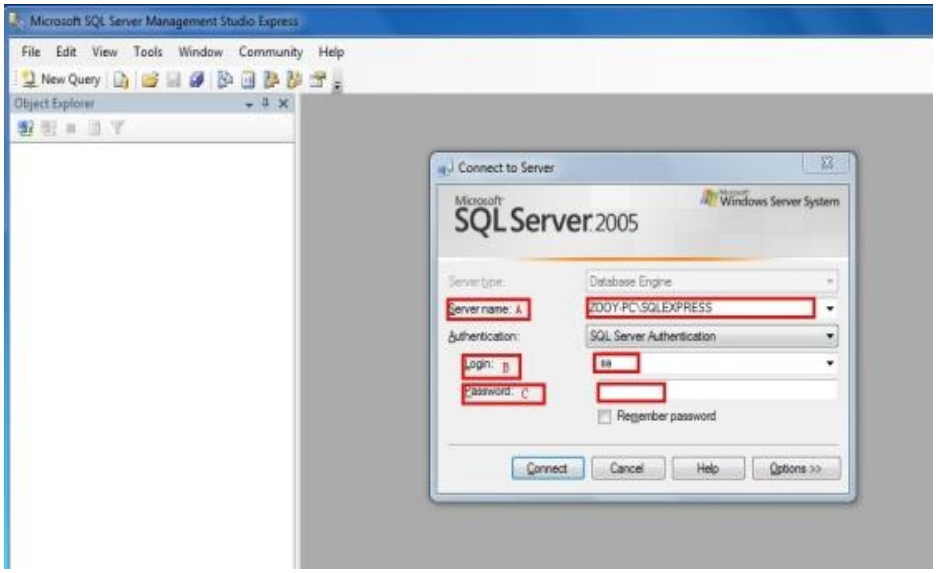
SQL installation process, as shown in the picture,



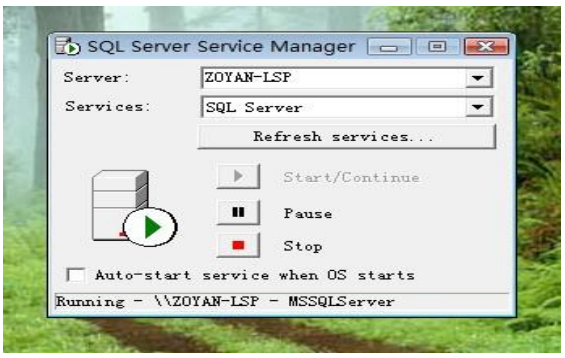
If 'SQL Server' be re-install, the follow picture will be show, please find 'SQL Server' document from computer, then running 'sqlamanger.exe' from 'SQL Server',





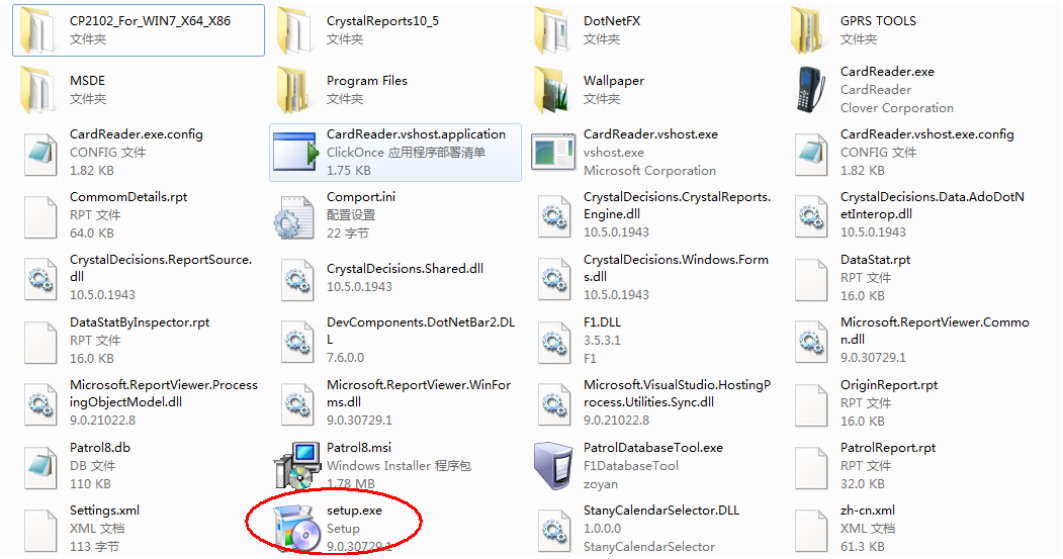


After installing the SQL, please restart the computer, then the right of computer's bottom will show you a SQL server icon , It means SQL installation is successful, double-click , the follow picture will be show, this state is running normally



2. 'Patrol System 8.5' Installation

2.1 Insert the CD to CD-ROM, double click the "SETUP", select the installation path, and install the software.



2.2 **The first running, should create database connection**

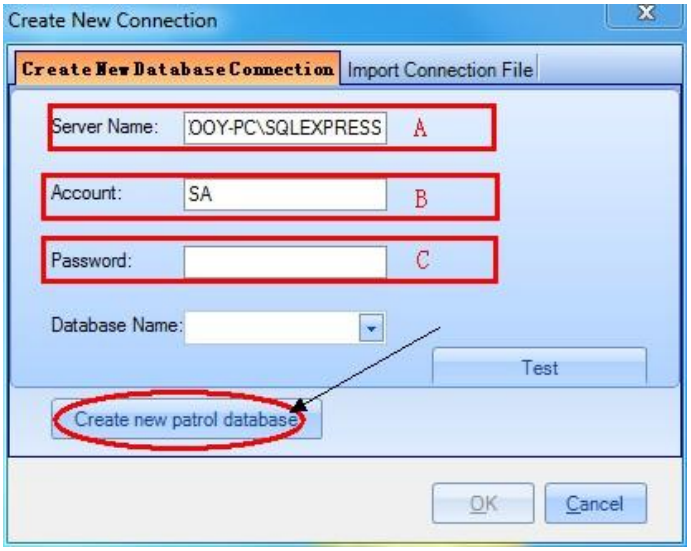
2.2.1 After installation, double click 'Patrol System 8.5' on the computer desktop, click "Create New database connection".

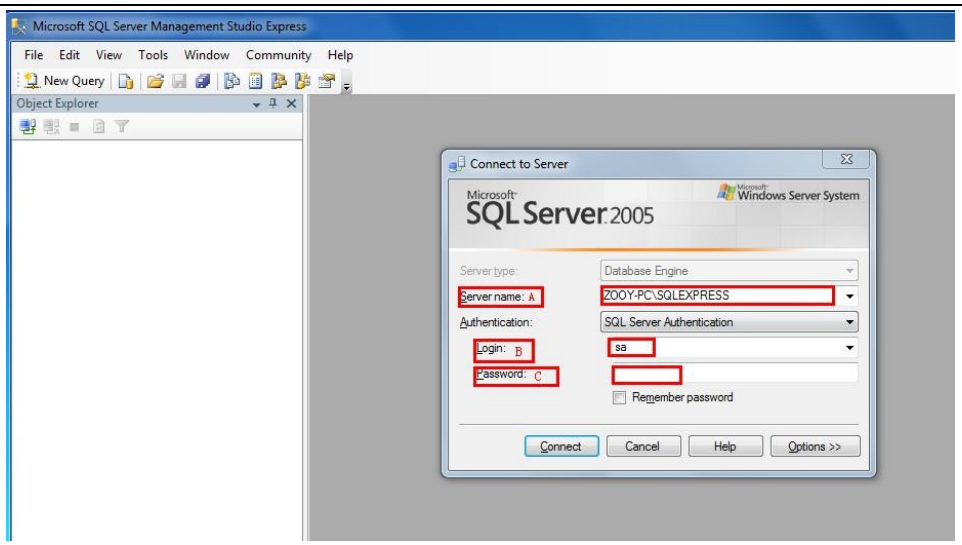
Server Name: Cope your Server name in it

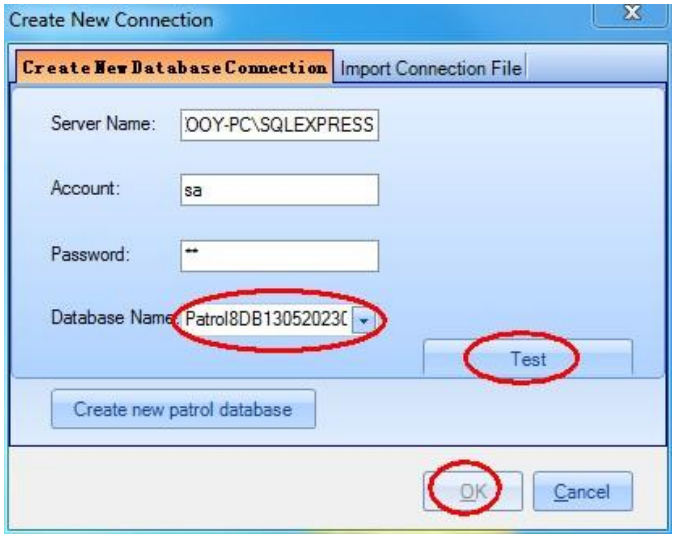
Account: input 'sa' or other database users have the right of create and modify the database.

Password: input 'sa' or Database users passwords

Database Name: first click 'Create new patrol database', then choose the newest data Database Name. Then click 'test' to test database connection whether success or not. If success, click "ok", if not, please check the "Server, Account, Password" whether correct.

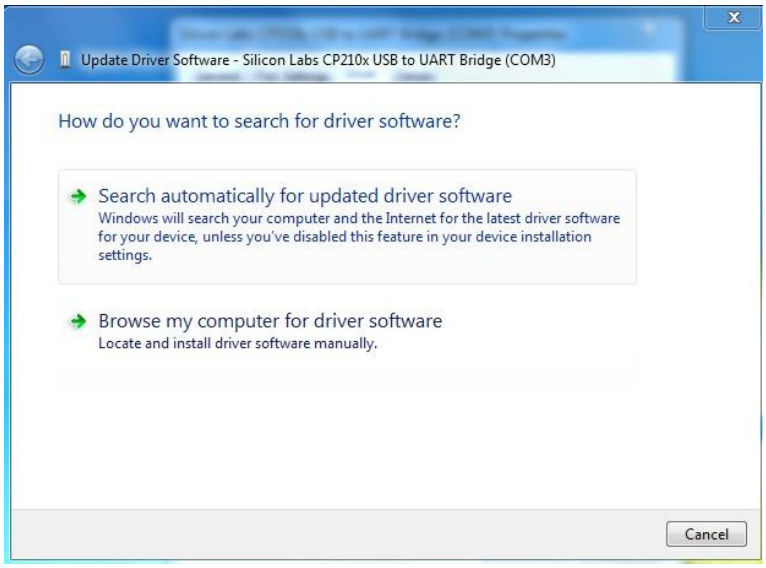




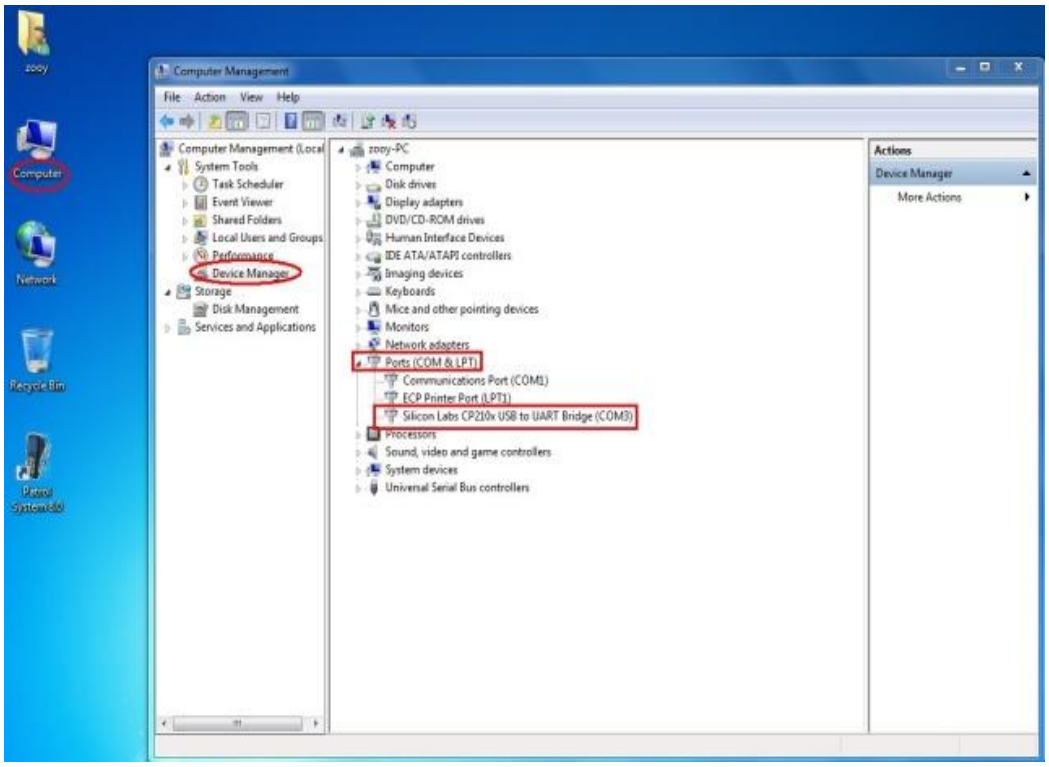


3. 'Device Driver' Installation

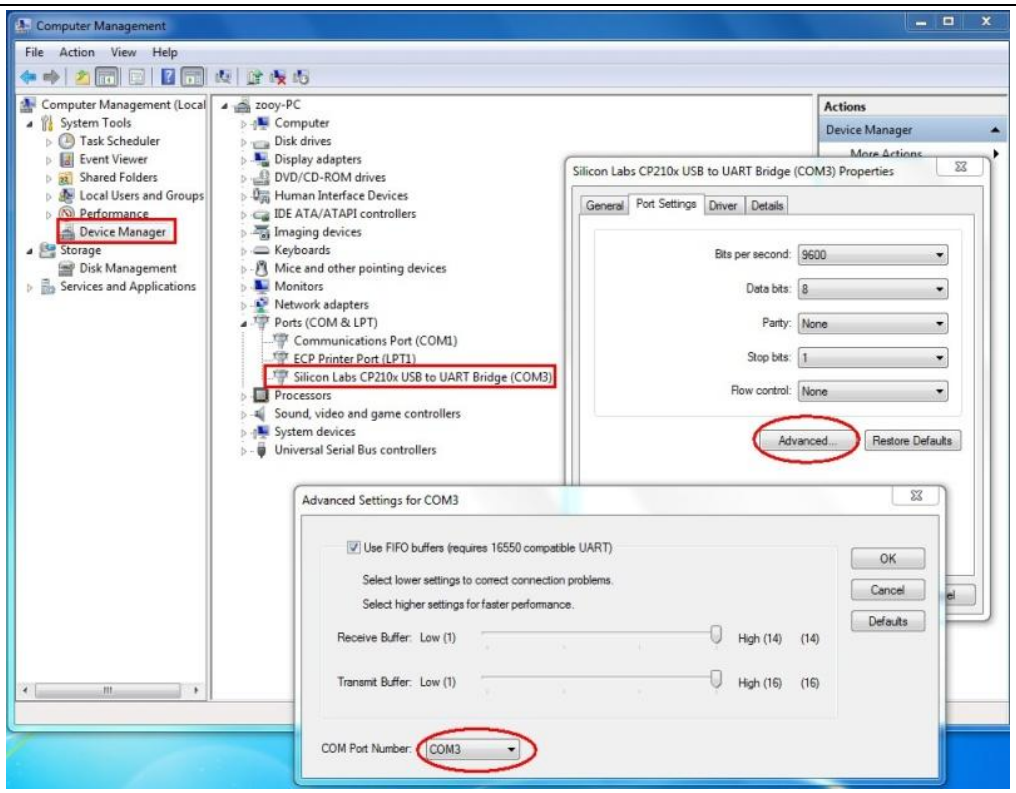
3.1 After connecting the device to the computer via USB cable, a new hardware will be find, choose the correct path installation, select the USB Driver from CD-ROM, follow the prompts to select "Next", you need to modify the following picture,



3.2 Check the port No, as shown in the picture



3.3 Change the port No

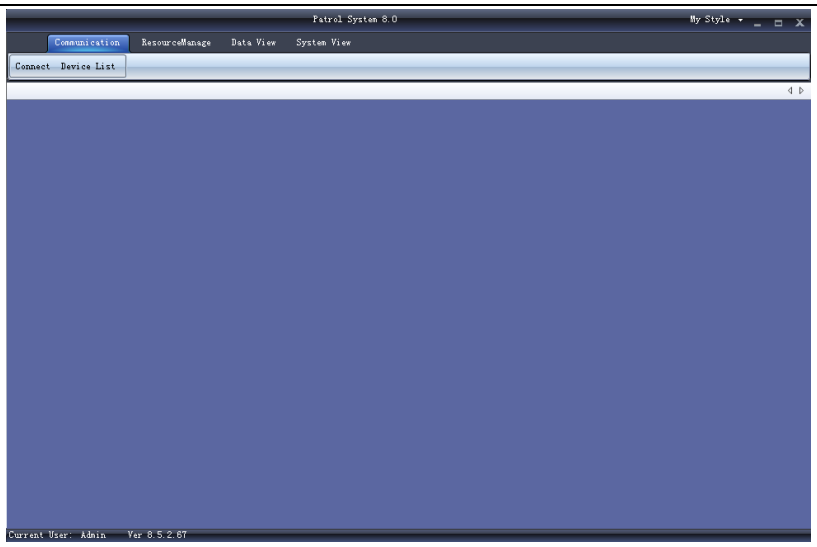


4. **'Patrol System 8.5' Operation**

The first login, User Name: Admin, Password: empty, as shown in the picture, (Please modify the password after login in)



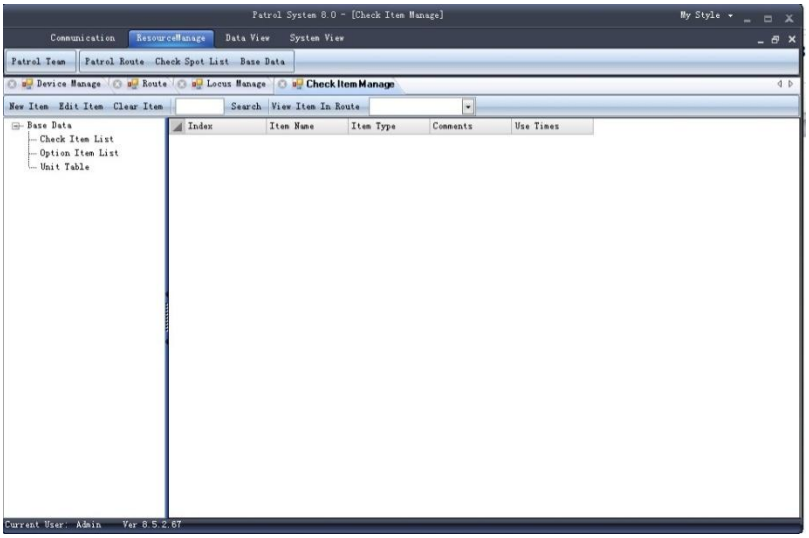
After landing the software, as shown in the picture,



Patrol System 8.5 contains four main functions: Communication, Resource Manage, Data View, and System View.

4.1 Resource Manage

Resource Manage including Patrol Team, Patrol Route, Check Spot List and Base data, as shown in the picture,

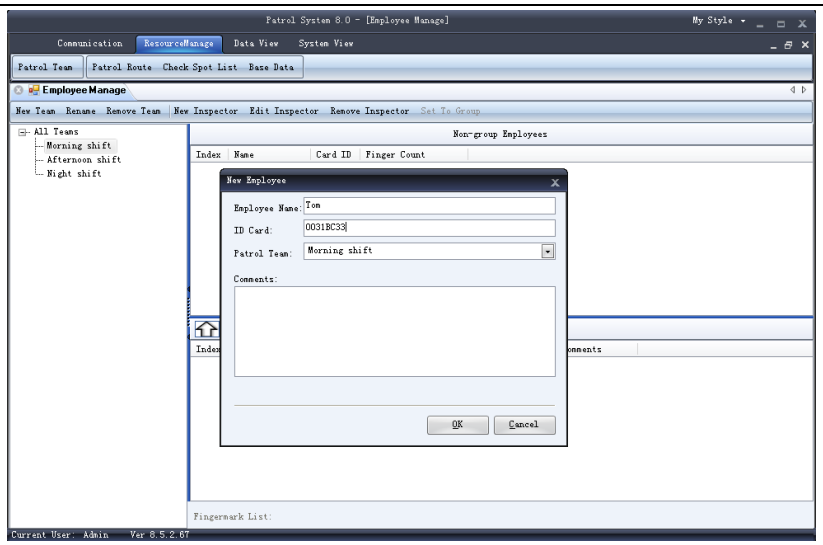


4.1.1 Patrol Team

Patrol Team main function: Set up the patrol team, add inspectors, assigning inspector to the corresponding patrol team, manage the inspector and patrol team.

Add inspector: Recourse Manage>Patrol Team> New Inspector>Employee Name>ID card>Patrol Team

Input name and the corresponding Card NO, if each inspector has a device, don't need ID card, please give a name random.

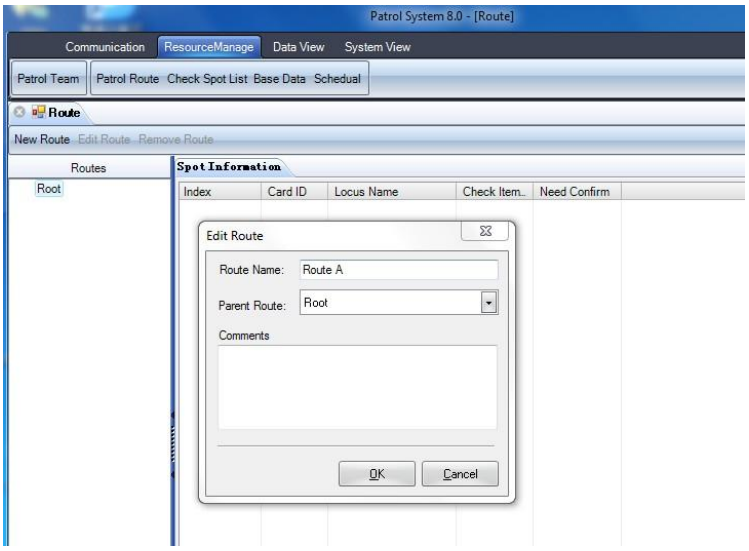


4.1.2 Patrol Route

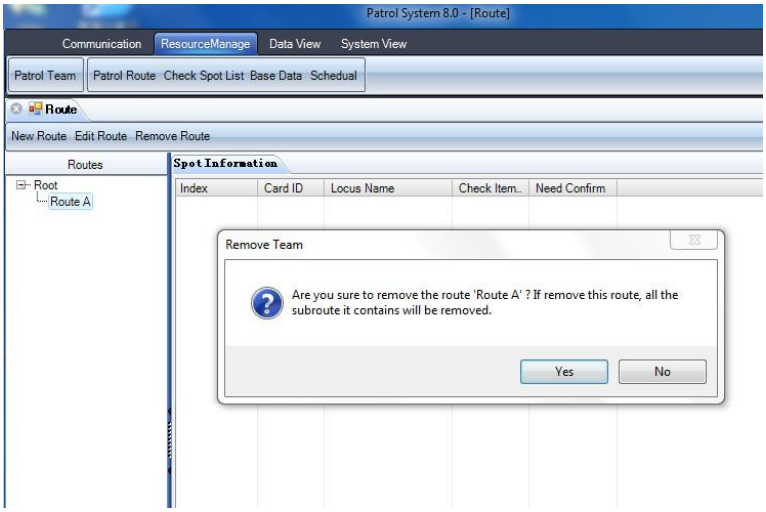
Patrol Route main function: setting route, add check spot to route, setting item, and input item parameter, setting plan etc.

Setting route: Resource Manage>Patrol Route> New Route>Route Name>OK

Add many different routes according to your requirement.



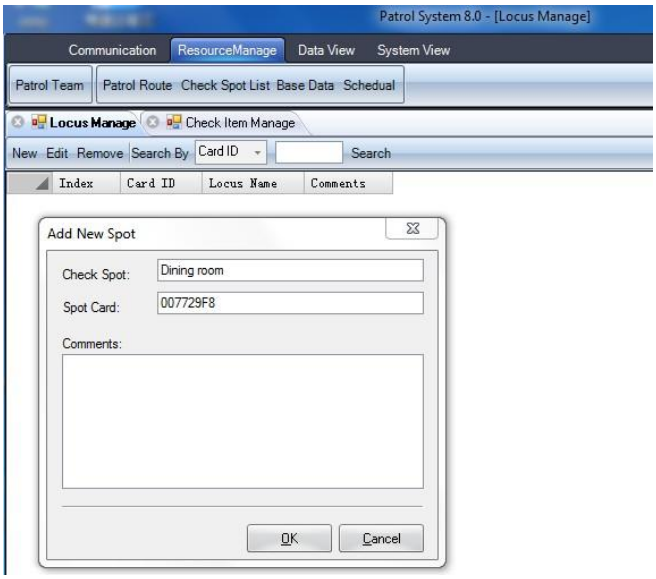
Edit and Remove Route, select the route, click Edit Route or Remove Route to change or clear it.



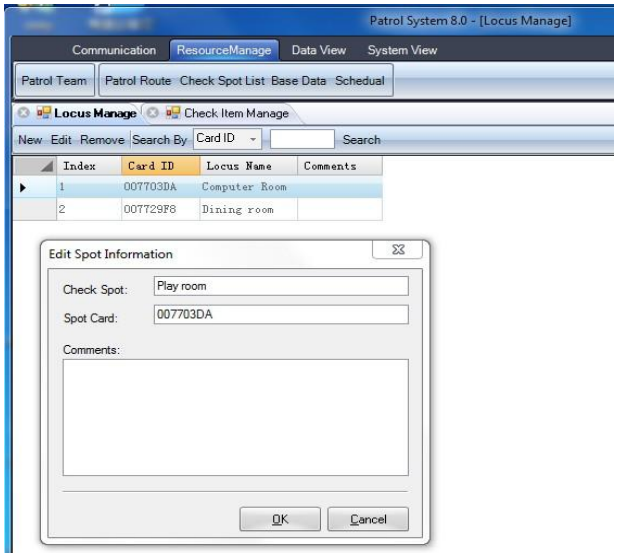
4.1.3 Check Spot List

Check Spot List main function: Edit, Remove and add the check spot manually.

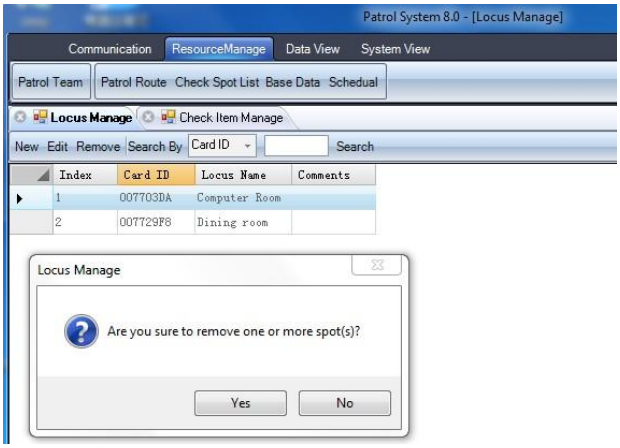
Manually add: Click “New”, input Check Spot name and Card NO, click “OK”



Edit the Check Spot: Select the card, click “Edit”, and then edit the check spot name according to your request.

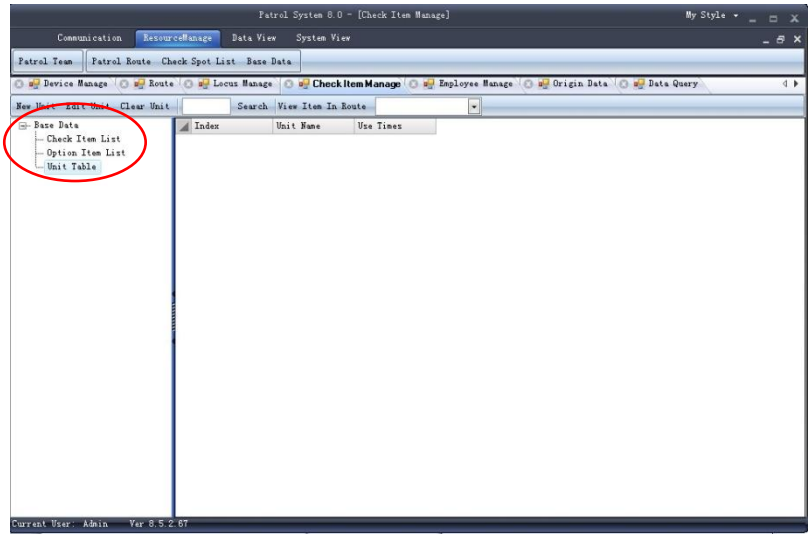


Remove the check spot: Select the card, click “Remove”.

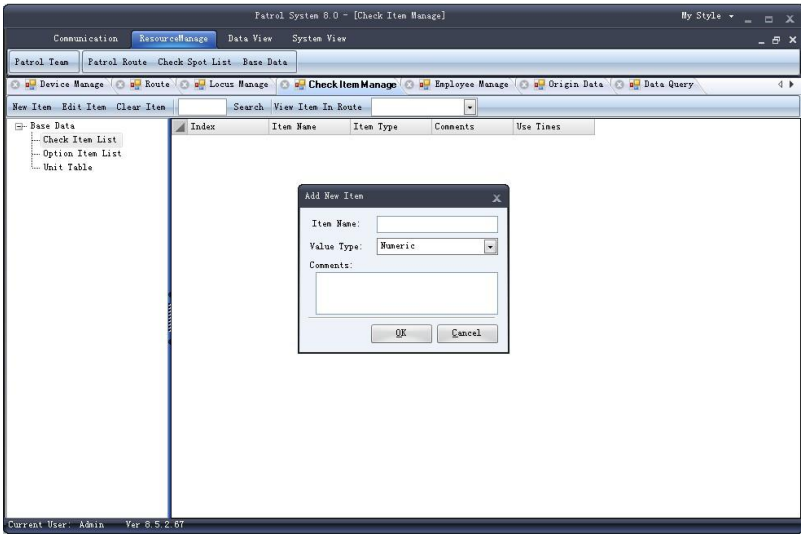


4.1.4 Base Data

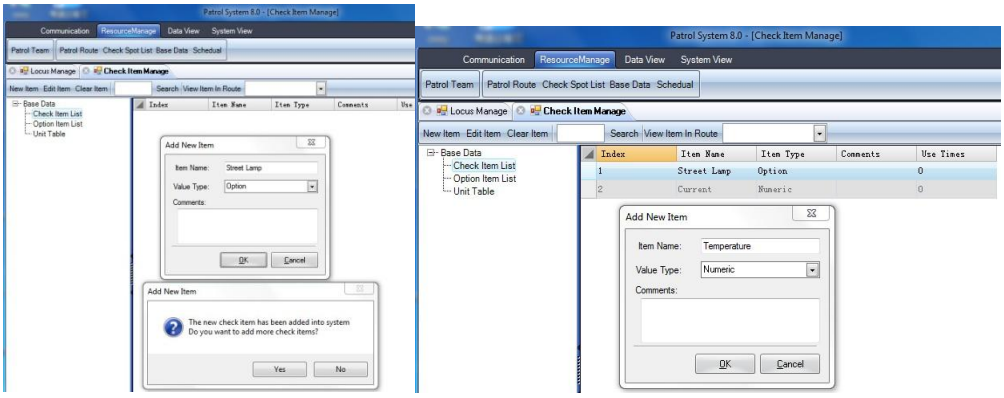
Base Data including： Check Item List, Option Item List and Unit Table.



Check Item List: including Numeric and Option, can add, delete, and edit ‘Item’. No more than 255 item categories are for each route, Item name cannot exceed 25 characters.

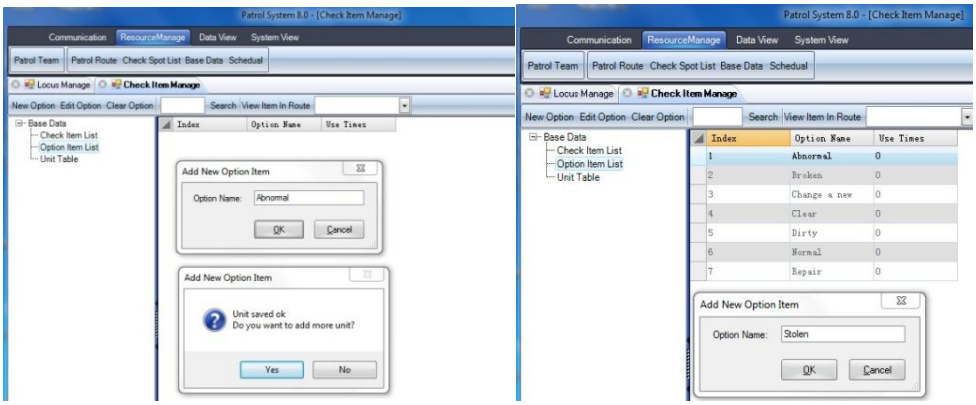


Add New Item: Resource Manage> Data Base> Check Item List>New Item> Input Item Name> Value Type (Option or Numeric)> OK.

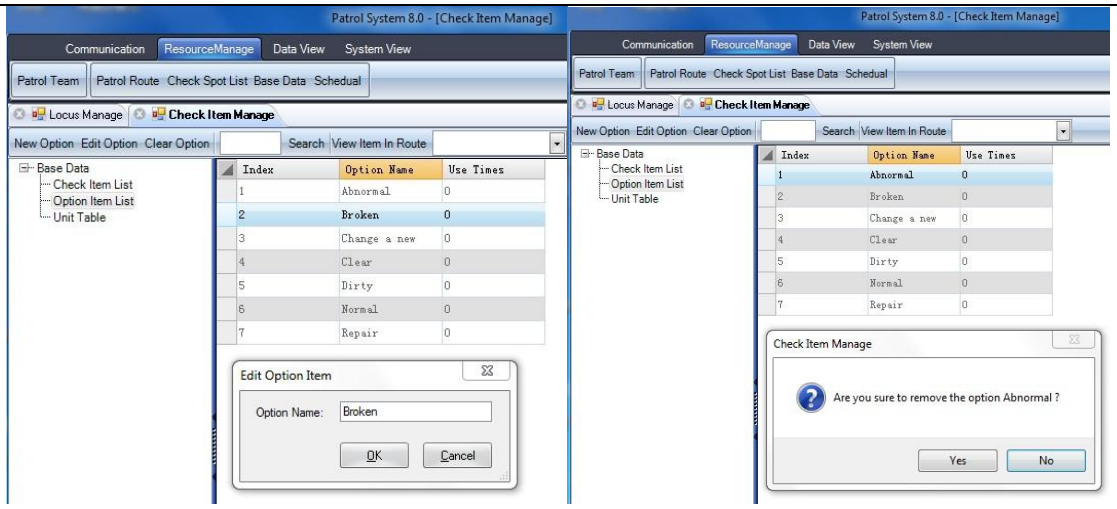


Option Item list: including many different selective types of option item, can add, edit and clear option, no more than 255 options for each route, option name cannot exceed 25 characters.

Add Option: Resource Manage> Data Base> Option Item List>New Item> Input Option Name> OK.

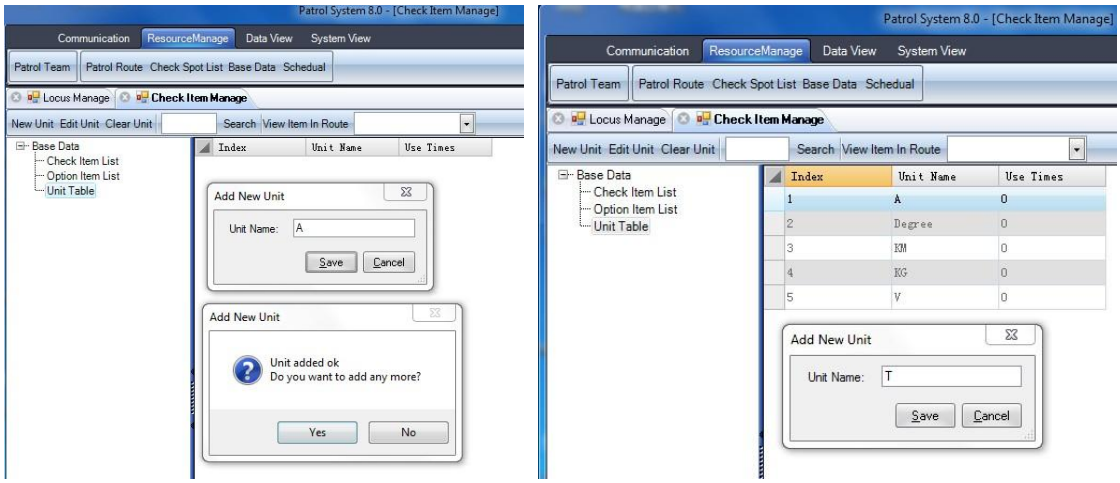


Edit or Clear Option: Select the option name, click “Edit Option” or “Clear Option” to edit or clear it.

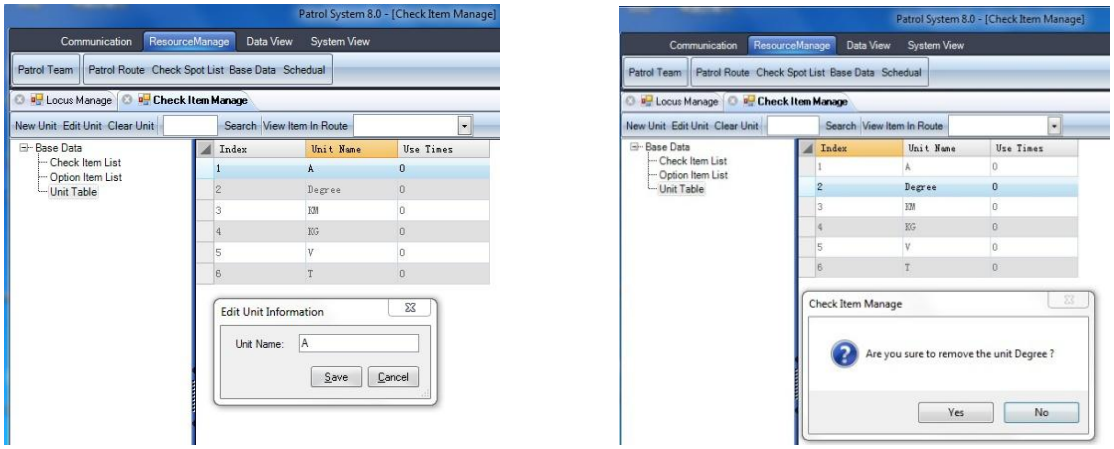


Unit Table: including unit of numeric, can be add, edit and clear. No more than 255 Unit Name can be set.

Add Unit: Resource Manage>Data Base> Unit Table>New Unit> Input Unit Name> OK.

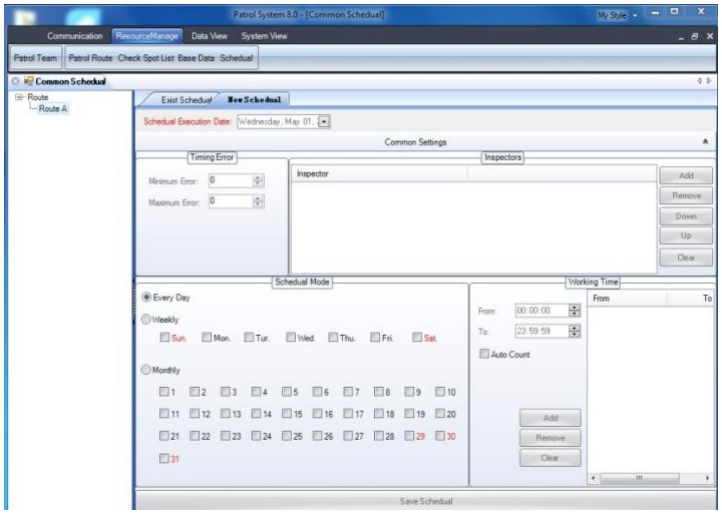


Edit or Clear Unit: Select the unit name, click “Edit Unit” or “Clear Unit” to edit or clear it.



4.1.5 Schedule Manager

Patrol Schedule assign the task to the inspector, set up the patrol time for each check route, set up corresponding time period and cycle time of patrol, to help the manager to query the result of the patrol.



Add schedule: Resource Manager> Schedule>Select a route >New Schedule> Set the new plan according to requirement> Save Schedule.

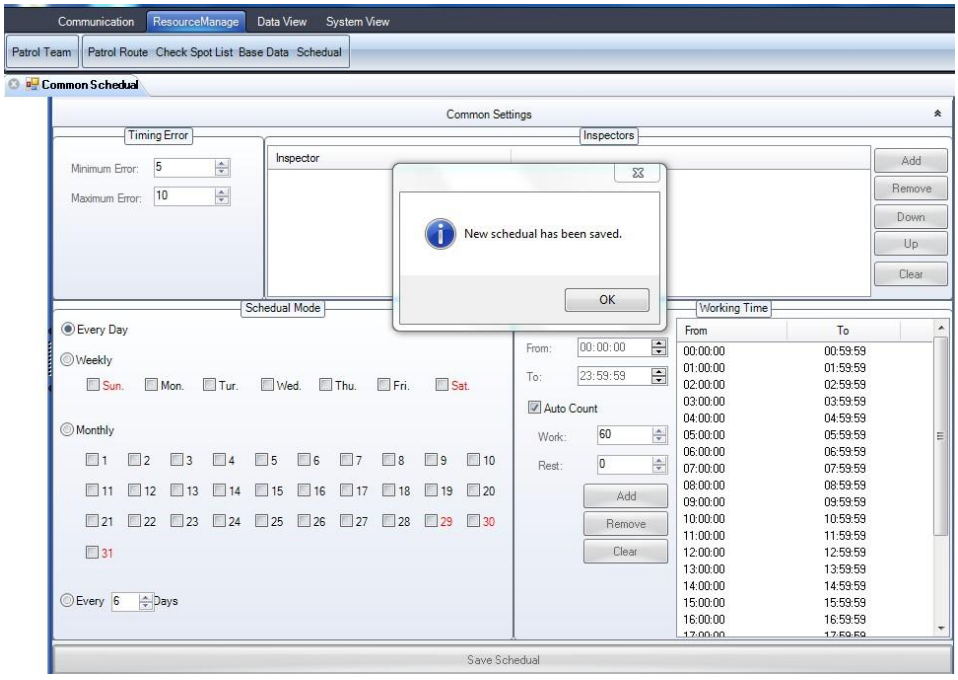
Schedule Mode: Daily, Weekly, Monthly, Every/ days

Daily: It means one day is one patrol period

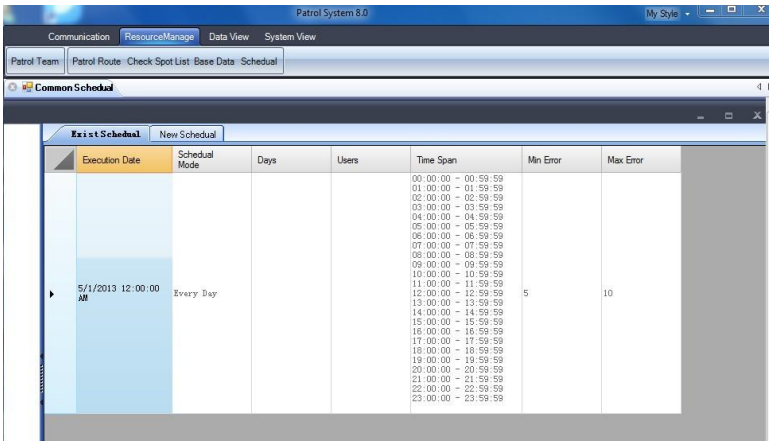
Weekly: It means one week is one patrol period, can set specific day to patrol.

Monthly: It means one month is one patrol period, can set specific day to patrol.

Every/ days: It means how many days need to patrol.



Query the schedule: After generating and saving schedule, can view and modify all of the exist schedule

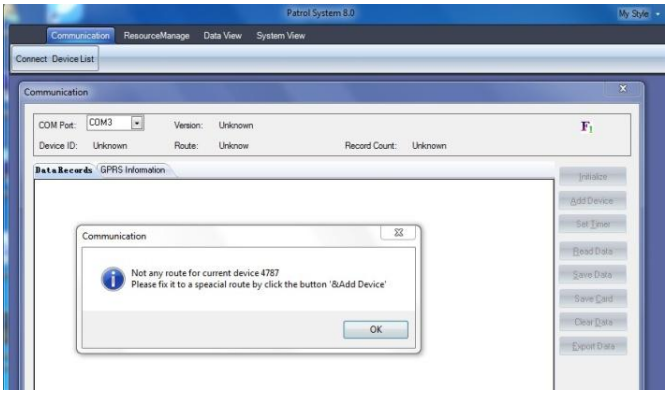


4.2 Communication



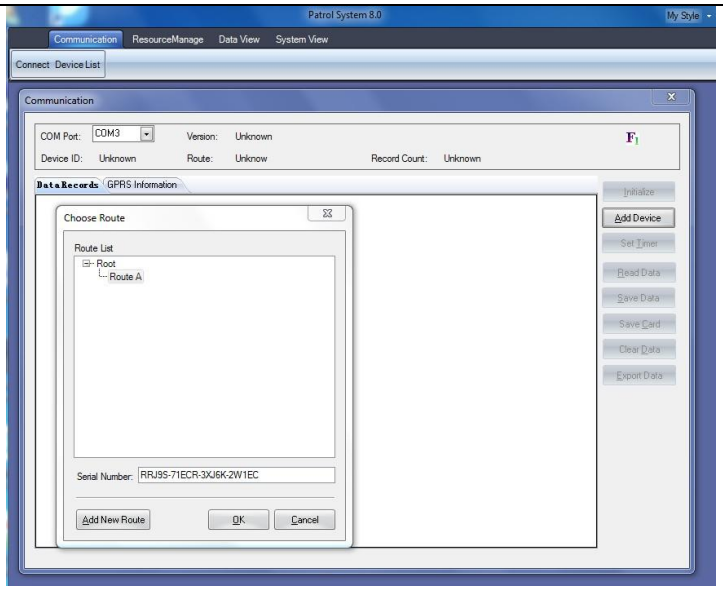
4. 2.1 **Download Data** (Keep the patrol device power on when downloading)

4.2.2 **Binding the patrol device to the corresponding route:** Connecting the patrol device to the computer via the data cable, click “Communications”> “Connect”>, Select the COM port>“Initialize”>OK.

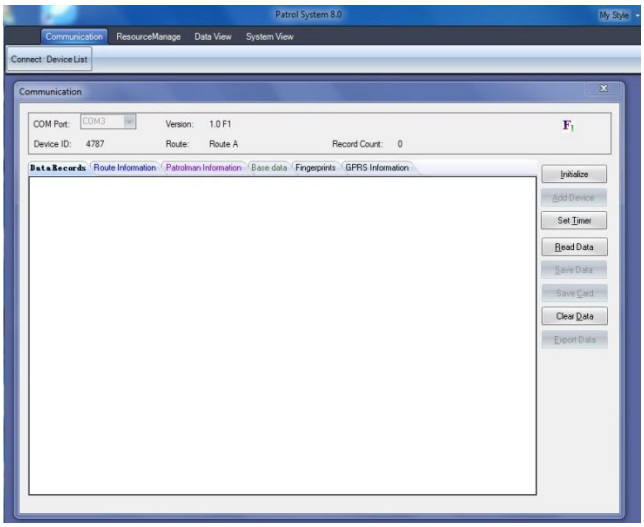


When the first time connecting the patrol device to the computer, the patrol software will show you the device ID, Click “Add Device”>Select the route> input Serial Number>OK.

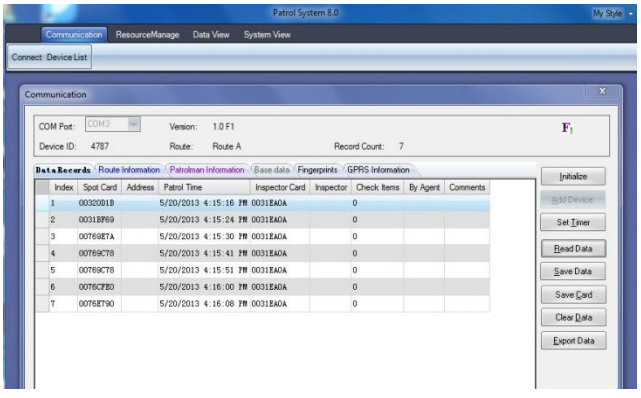
Notice: One patrol device can only bind to one patrol route, but one patrol route can set many different patrol devices.



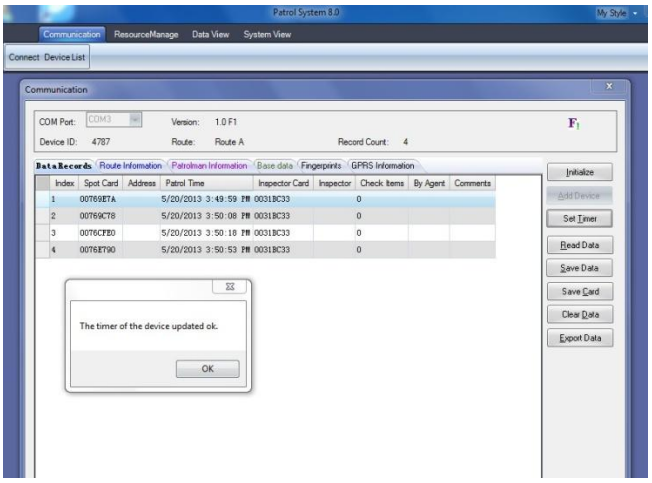
After adding the patrol device to the route, Click “Initialize” again, the information of patrol device will show on the operation interface, such as: Device ID, Record Count, Route name, Device version NO.



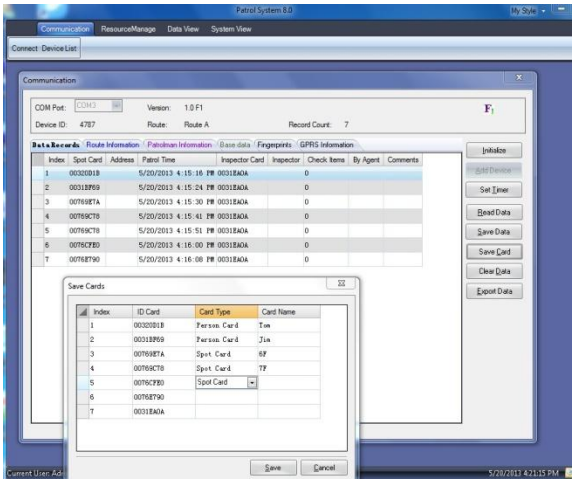
Read data: (Before this step, use the patrol device read some tags and Identity Card.)
After Connecting the patrol device to the computer, then click Communication>Connect>Initialize> Read Data.

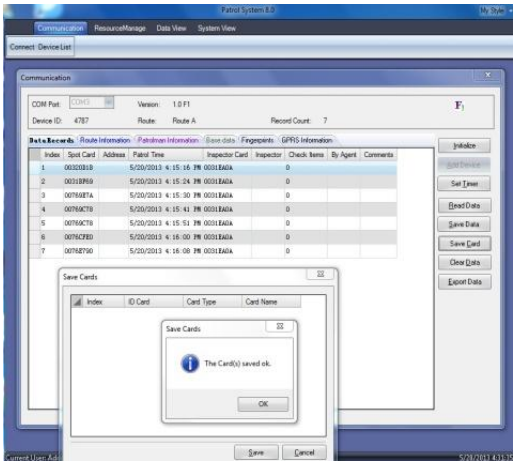


Correct the date and time, the first time use the patrol device, please click Set Timer>OK.

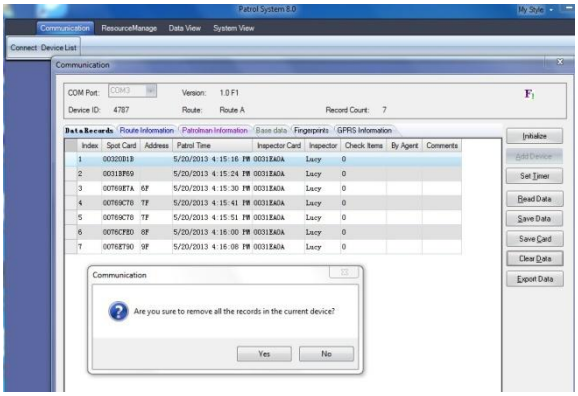


Then click “Save Card”> Select the Card Type> Input Card Name>Save

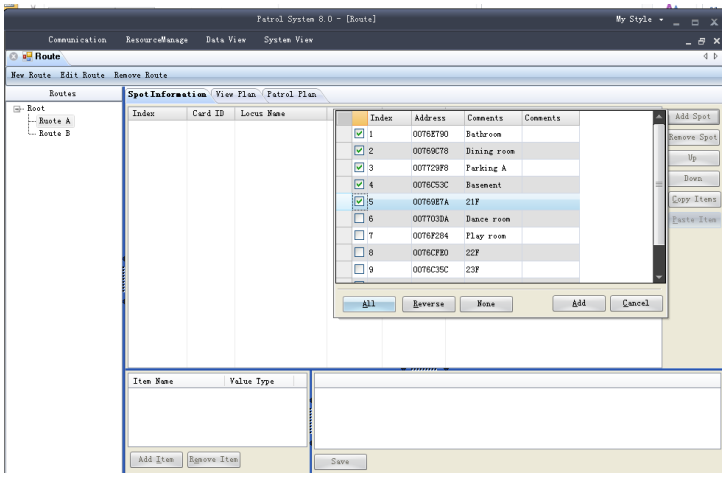




Clear Data: Click “Clear Data”, remove the data.

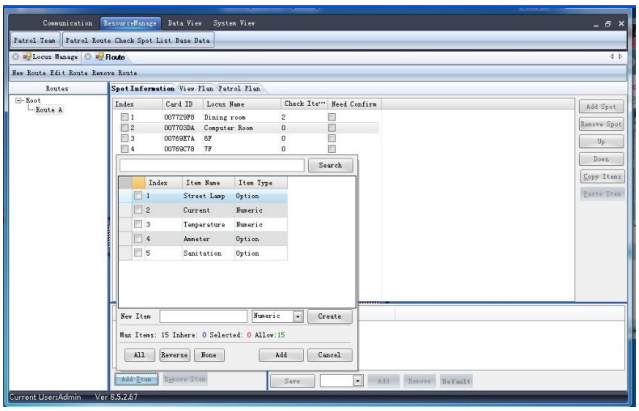


Add spot card to the Route: Resource Manage>Patrol Route> Select the route >Add Spot> Add



Add, edits, and removes the item

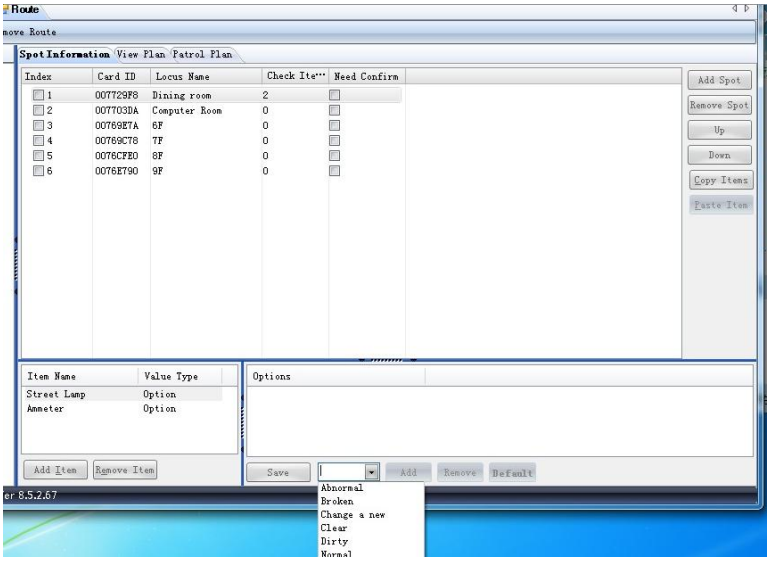
Add the item: Select the Route> select the locus name> Add Item> Select the item name> Add corresponding item into the corresponding check spot, then set the detailed parameter of item on the right



Notice: Each check spot can choose 15 items, including: numeric and option.

Option can be set 5 detailed parameters. Any detailed parameter can be defined as the default Value

Option： Can add no more than 5pcs options.



Numeric: can add no more than 5pcs numeric (including maximum, minimum and default)

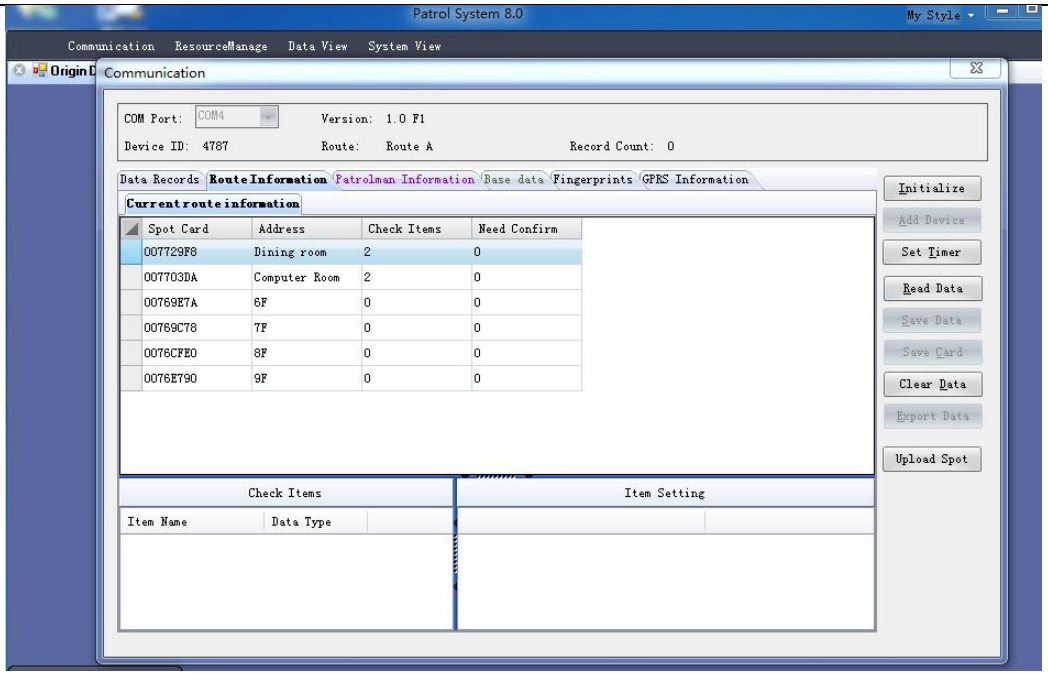


Upload Data

Route information

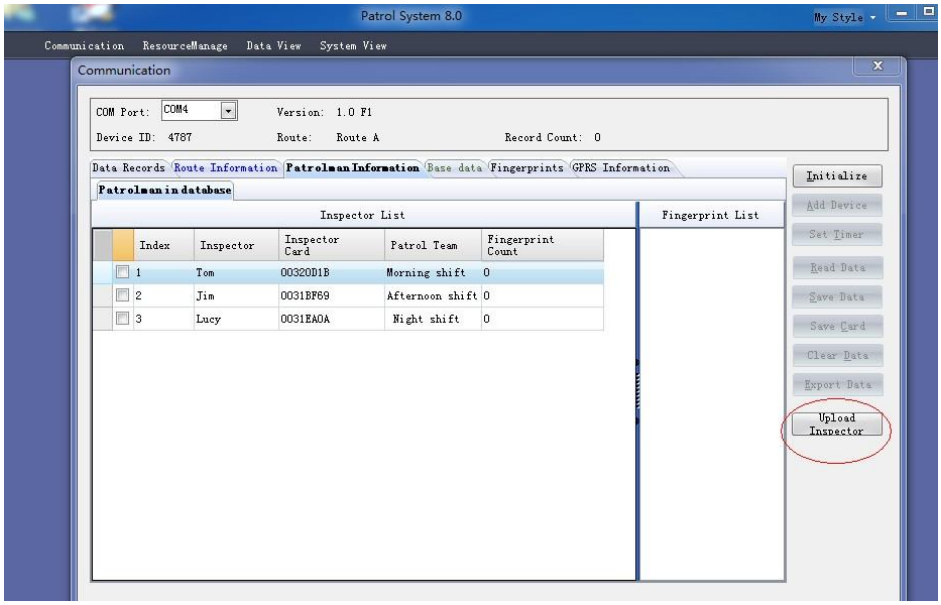
Route information will show all the check spot information of current route, can view the item information of check spot. Click “Upload Spot”, all the check spot information will be upload to the patrol device (Using the substitution method to update the patrol device information, all the information will be replaced once the information changed, please upload and save the data in the patrol device before uploading the new data to it)

Upload the Route information: Connect the patrol device to the computer>click Communication>connect>Select COM Port>Initialize> Route information>Upload Spot.

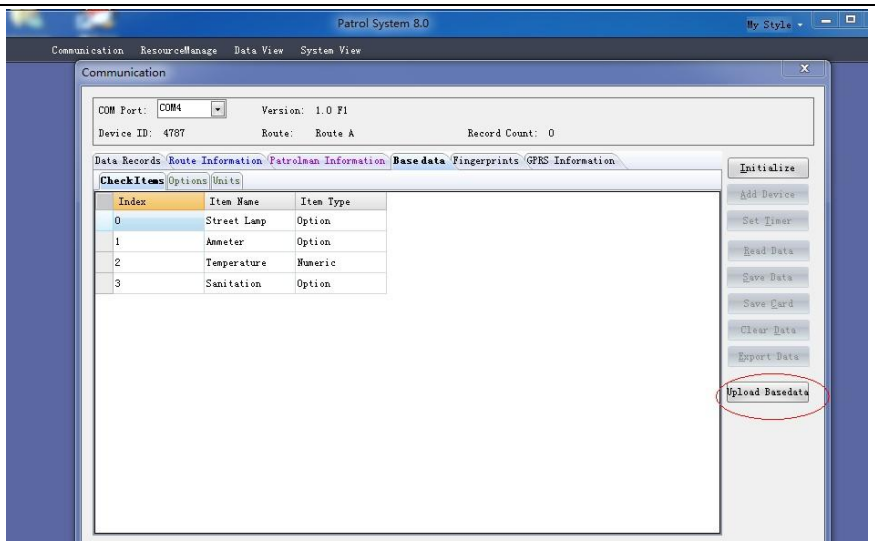


Inspector Information

Inspector information display all the information of inspector in the software system, meanwhile, selects the corresponding inspector upload to the patrol device.



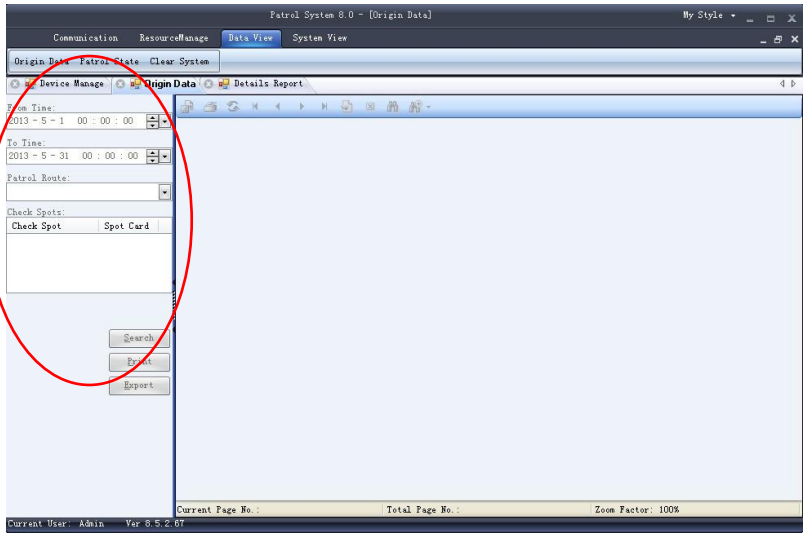
Base Data



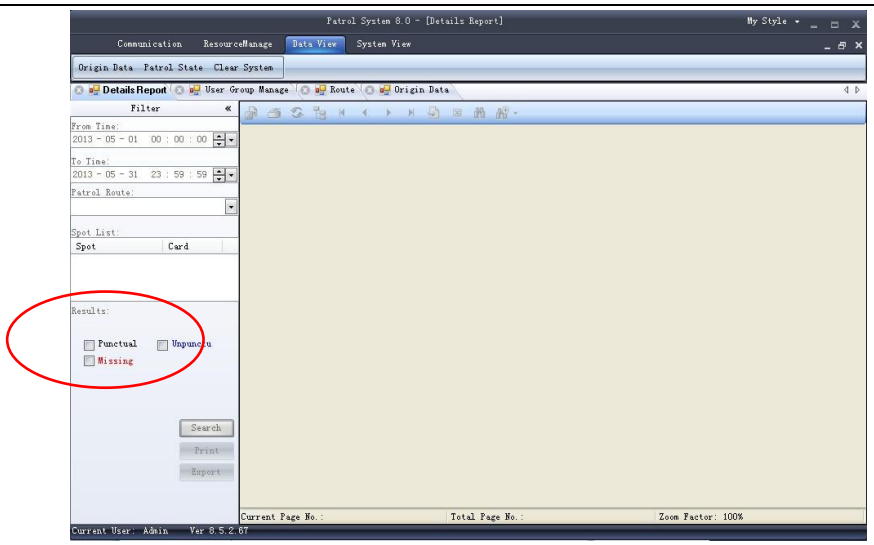
4.3 Data View

Data View including: Origin Data, Patrol State and Clear System. As shown in the picture,

4.3.1 **Origin Data:** Data View > Origin Data > Choose 'Time', 'Patrol Route',' Check Spot' > Search, Print, Export.

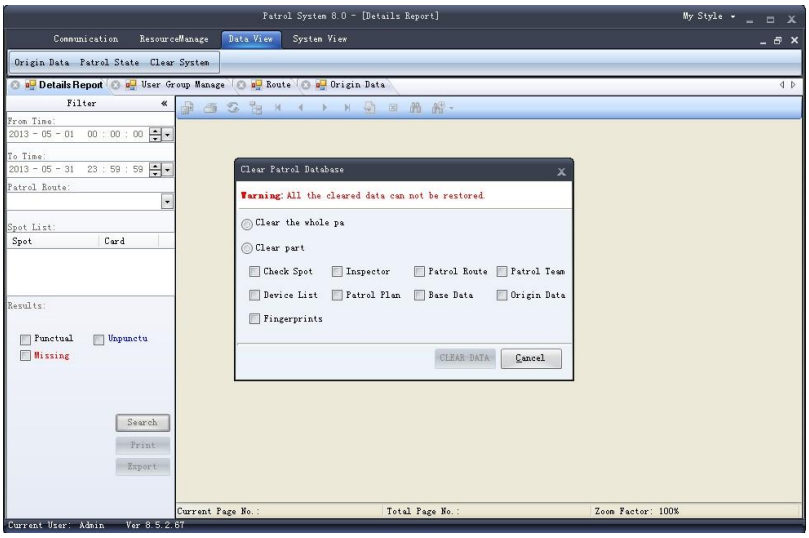


4.3.2 Patrol State: Data View > Patrol State > Choose 'Time', 'Patrol Route',' Check Spot' > Coose 'Punctual' or 'Unpunctual' or 'Missing' > Search, Print, Export.



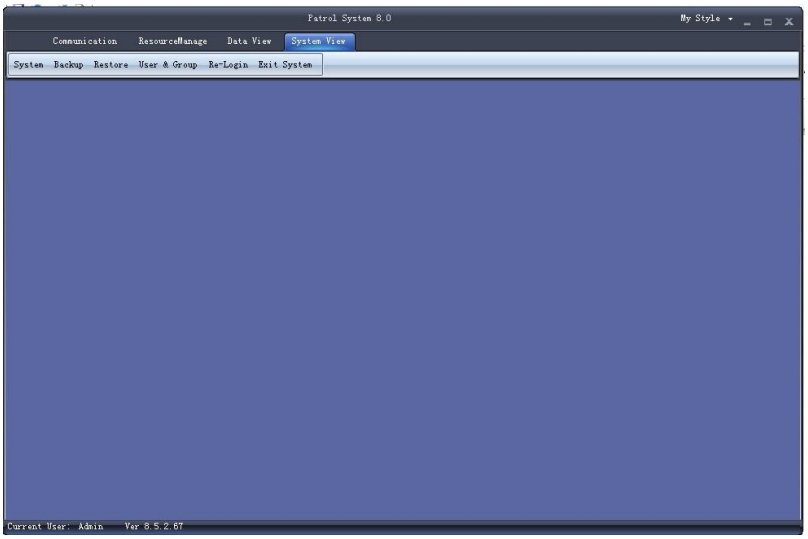
4.3.3 Clear System: Data View > Clear System > Choose the data to clear > Clear Data

Warning: All the cleared data cannot be restored.



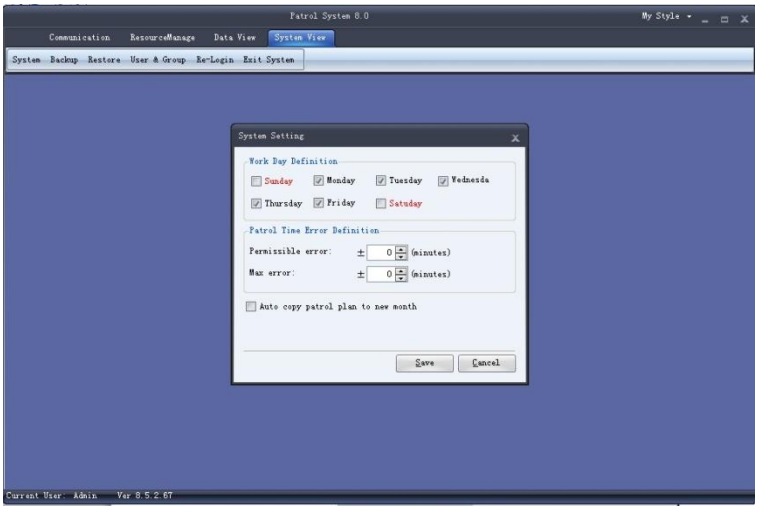
4.4 System View

System View including System, Backup, Restore, User & Group, Re-Login and Exit System.



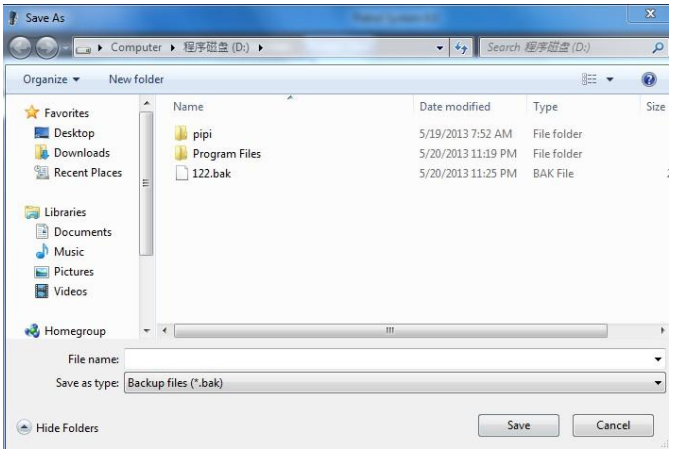
4.4.1 System

System View > System > Choose ‘Work Day Definition’, ‘Patrol Time Error Definition’ > Save.

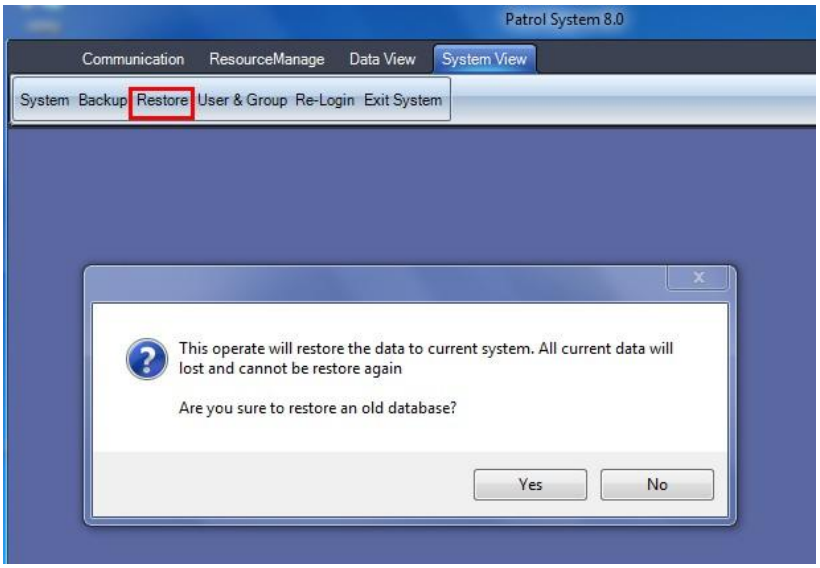


4.4.2 Backup

System View > Backup > Choose a path backup data.

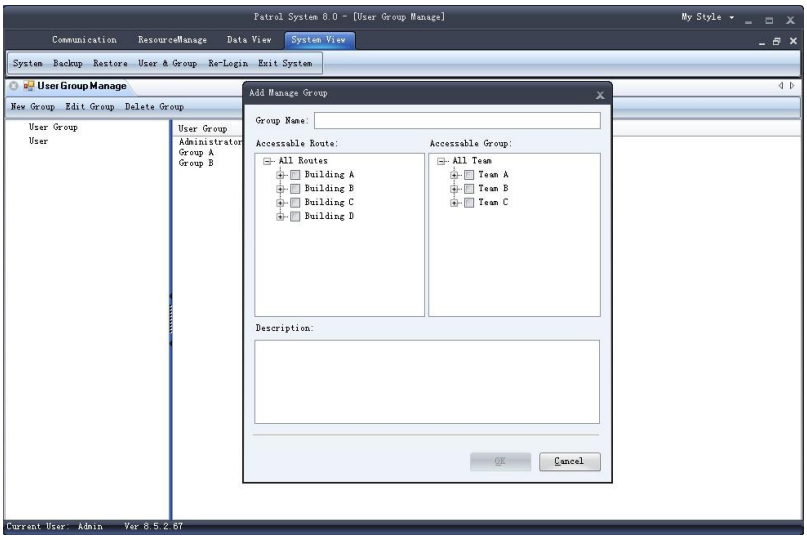


4.4.3 Restore



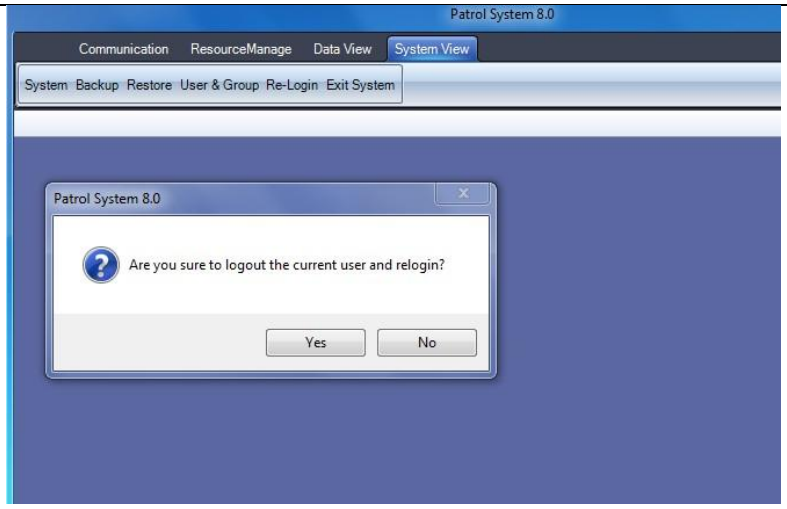
4.4.4 User & Group

System View > User & Group > 'Add, Edit and Delete Group ' > Choose Route and Team for Group > OK



4.4.5 Re-Login

System View > Re-Login> Yes or No



4.4.6 Exit System

System View > Exit System > Yes or No

