

GIS Scheduling Management System Manual

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1. Features

GIS scheduling management system software are a part of the GIS/GPRS system.

1.1、 Vehicle Information Registration & Management

1.2、 Custom Information Registration & Management

1.3、 Authorization Management

1.4、 Vehicle Real-time Monitor

1.5、 Vehicle Track

1.6、 Vehicle History Trace Playback

1.7、 Statistics & Print

It is mainly designed for system administrators.

2. Install

2.1 Operator

This software used for administrators & super administrators.

2.2 PC Configure

➤ PC Hardware

CPU: >1.8GHz

RAM: >=1G

Hard disk: 10M

Display: 800*600

➤ Software:

Operating System: Window OS (XP, 2000, 2003, VISTA, Win7)

2.3 Install

- Download Flash ActiveX from Adobe net-site and install it.



KwGisSysSetup.exe

- Run install file



- After install ,this icon would be show in your desktop

2.4 Legend in Map



●—Blue Icon: ACC On & No Alarm,



●—Yellow Icon: ACC Off & No Alarm ,



●—Red Icon: Alarm



—Gray Icon: When the tracker have not refresh position in last 30 minutes.



—This Icon express Gsm Base Site Locate

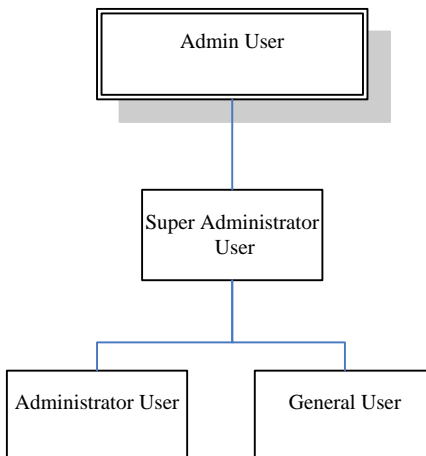
3. Software Description

Check the pc network before run the software. If network is not well, software would be work unwell.

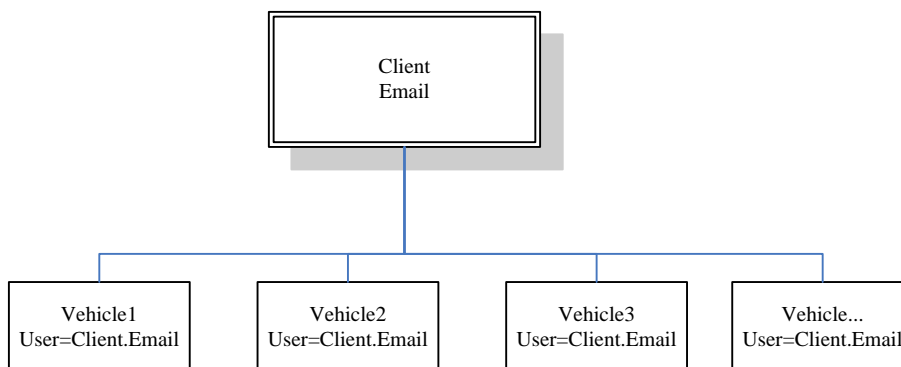
This software use google map

If you want to add vehicle in this manage software system, you should do as this order:

- a. Main Menu→System Manage→Client Manage: in this client form, add client information.
- b. Main Menu→System Manage→Car Manage: In this car form, add Vehicle information.
- c. User level (user –login manage system)

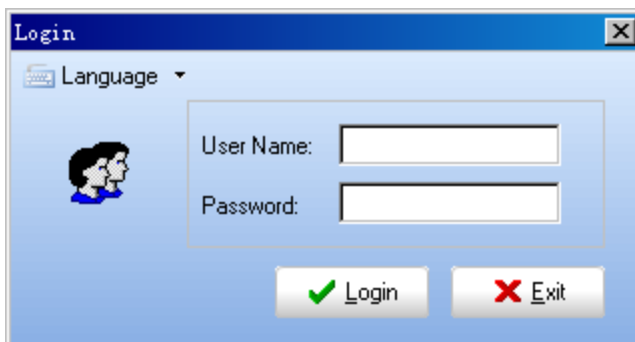


d. Client and vehicle relation



The client’s Email & password: These uses to login GIS Web Application.

3.1 Login



(Figure 1)

Enter assigned user name and password, click [Login] button, you can enter into the system, if a user

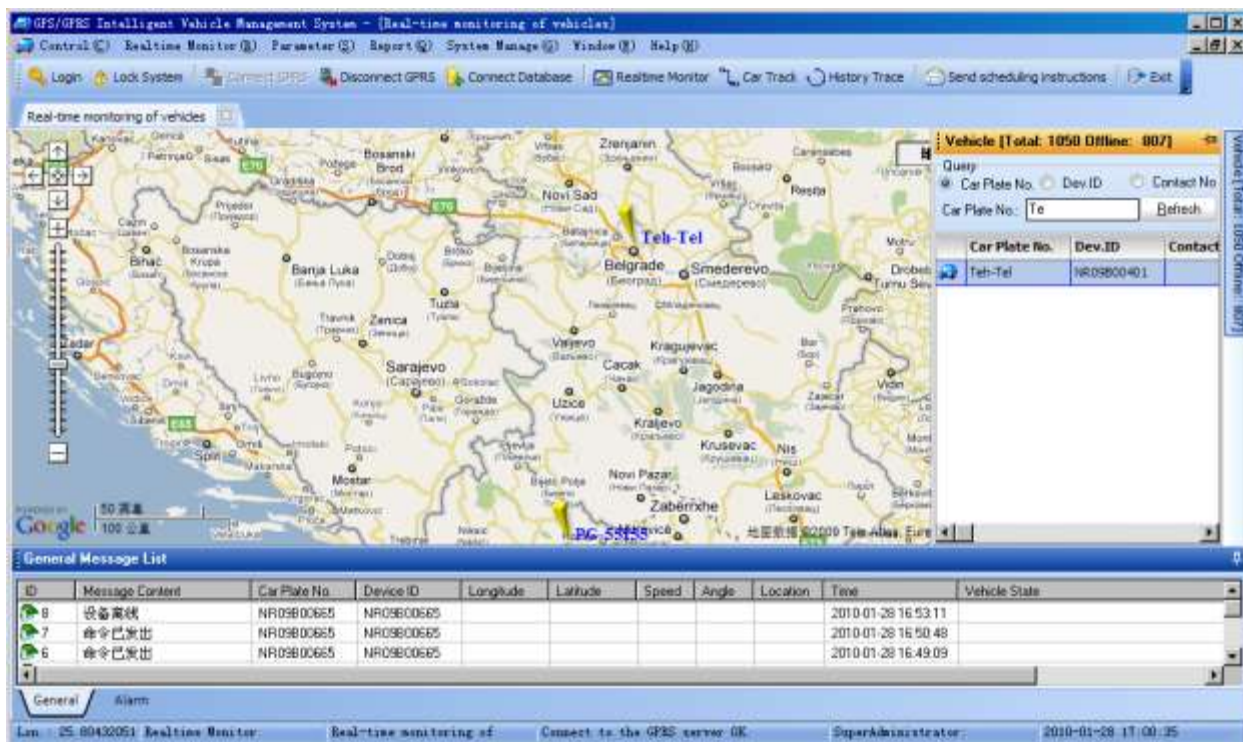
name or password is incorrect, it would be prompted failure message

Click [Modify Password] button in this form, it allow user to modify the password.

3.2 Main Form

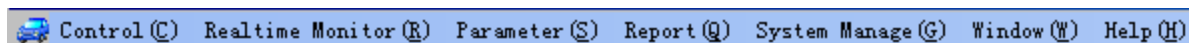
Main form include: Main Menu、System Toolbar、Map Area、Vehicle List、Message and Status Bar,

Like as:



(Figure 2)

- Main Menu
It include All operation in this system.



(Figure 3)

- Toolbar



- Message List

Include: General Message List, Alarm Message List.

General Message List: Display send command information, and device response information.

Alarm Message List: Display device alarm information.

Message List box only display 100 line message, when above it , it would be auto scroll, and the last message display in the top.

➤ Status Bar

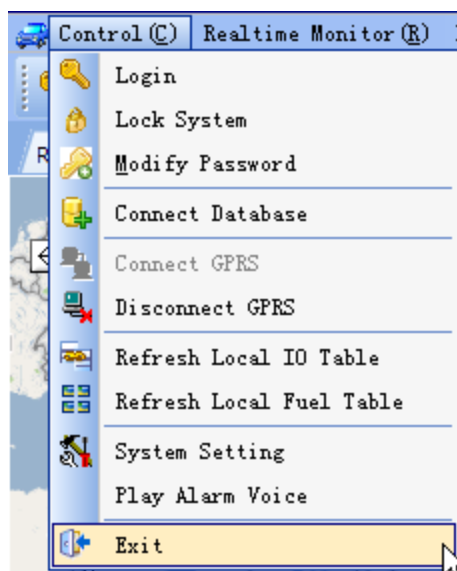


(Figure 4)

From left to right: Longitude & Latitude、 Current Operation、 Database connection、 network connection、 Operator、 Date Time.

3.3 Main Menu function:

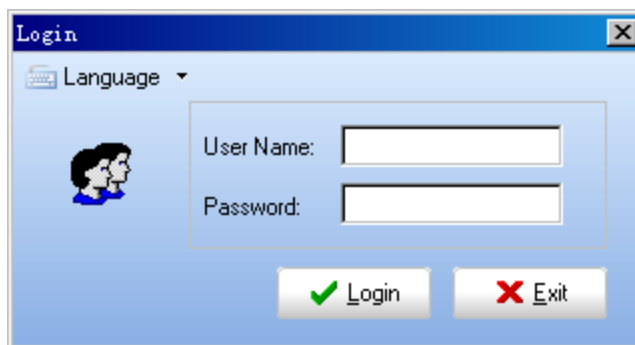
3.3.1 Control



(Figure 5)

1. Login

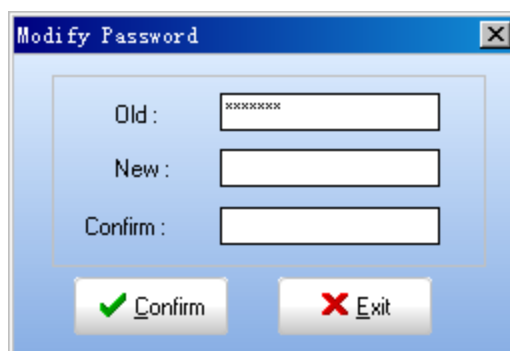
Click this menu item ,user allow to re-login system with other username and password.



(Figure 6)

2. Modify Password

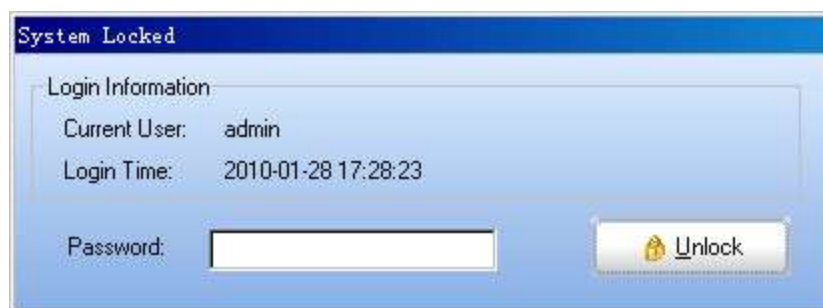
If Click [Modify Password] button in this menu, user allow to modify user's password:



(Figure 7)

3. Lock

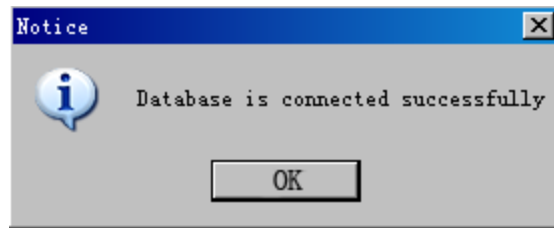
Click this menu item, it show be pop this form:



(Figure 8)

Now system has been locked, no longer operate. When you want to unlock, you need to enter the current user's password.

4. Connect Database



(Figure 9)

Click this menu item, the system will re-connect to the database, if success : the tips, such as (Figure 9), otherwise prompt the failure of the corresponding information, and the database will not be available.

5. Connect GPRS

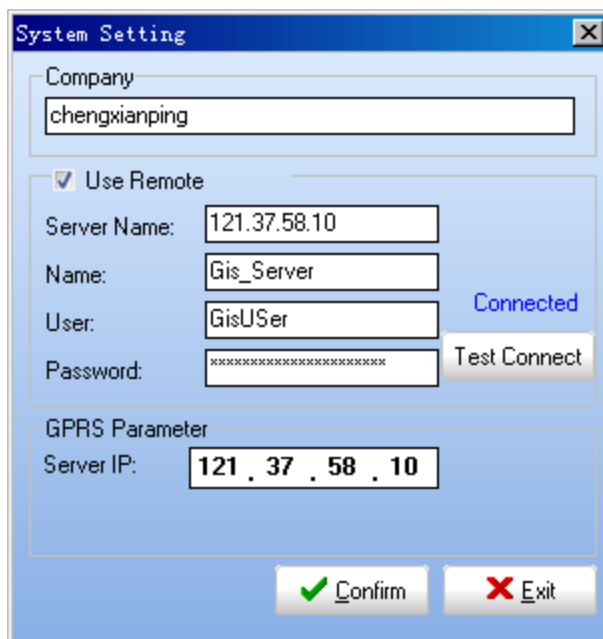
Click this menu item, it will connect to GPRS server, If Connect failure, the system could not send command to device.

6. Disconnect GPRS

Click this menu item to disconnect GPRS Server.

7. System Setting

Click this menu item to set system information :



(Figure 10)

If change something ,you should click [Test Connect] to check database setting.

8. Refresh Local IO Table

Click this menu-item to update the local IO table.

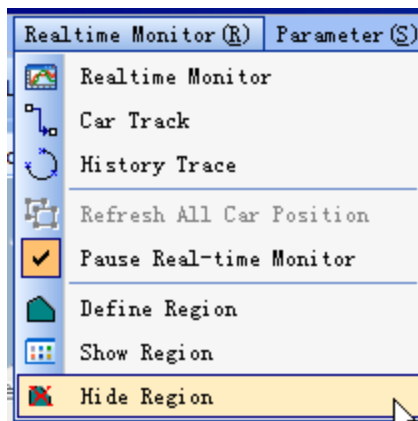
9. Refresh Local Fuel Table

Click this menu-item to update the local Fuel table.

10.Exit

Click this menu item would stop system operation and close system .

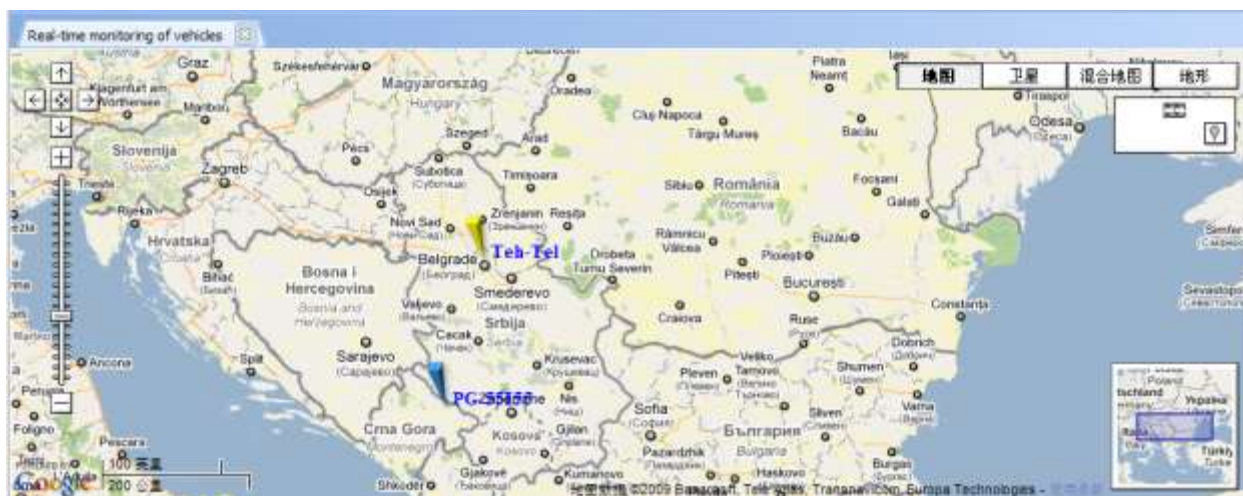
3.3.2 Real-time Monitor



(Figure 11)


1. Real-time Monitor

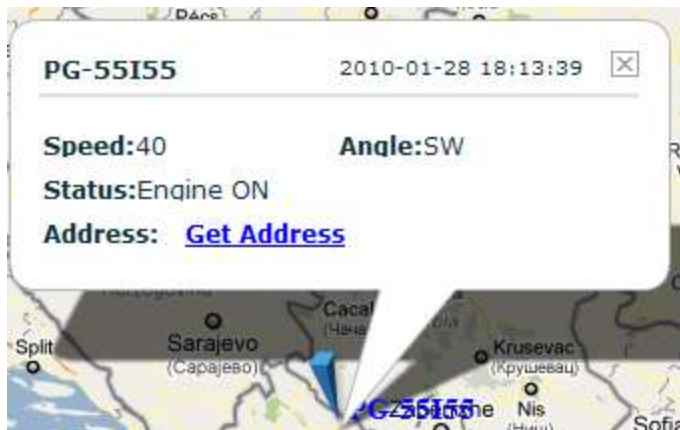
Click this menu item to show real-time monitor form.



(Figure 12)

When the program running, this from is the default from.

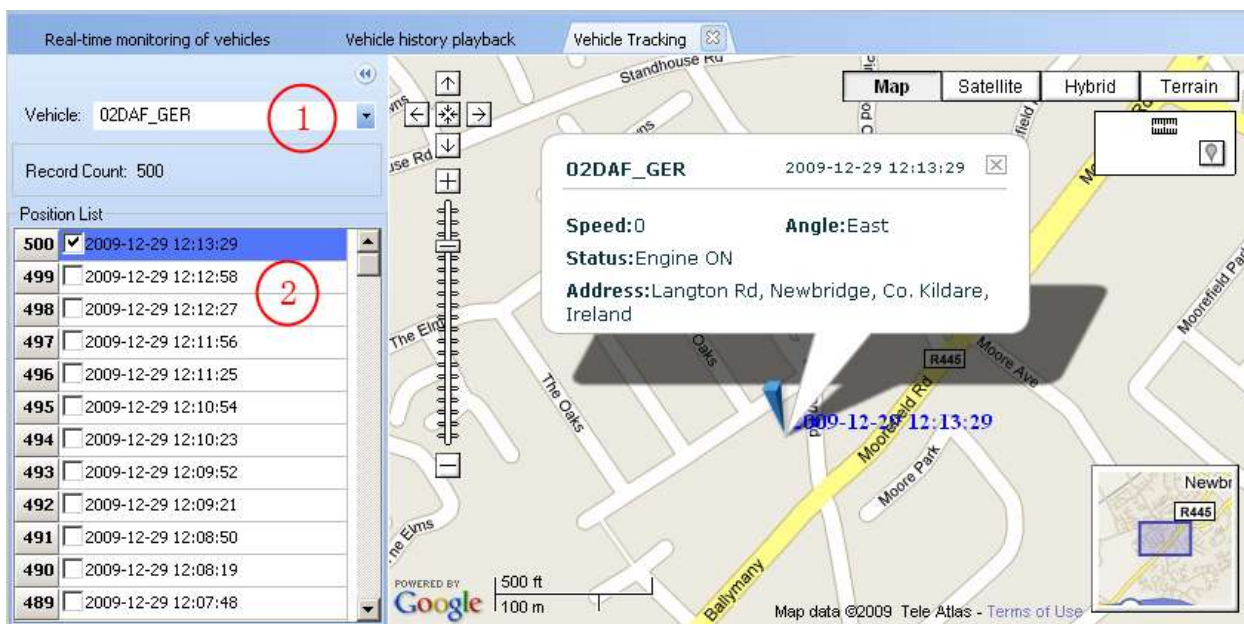
Click  in map , will be pop up a information form to show vehicle position information.



(Figure 13)

2. Car Track

Click this menu item to enter into car track form:



(Figure 14)

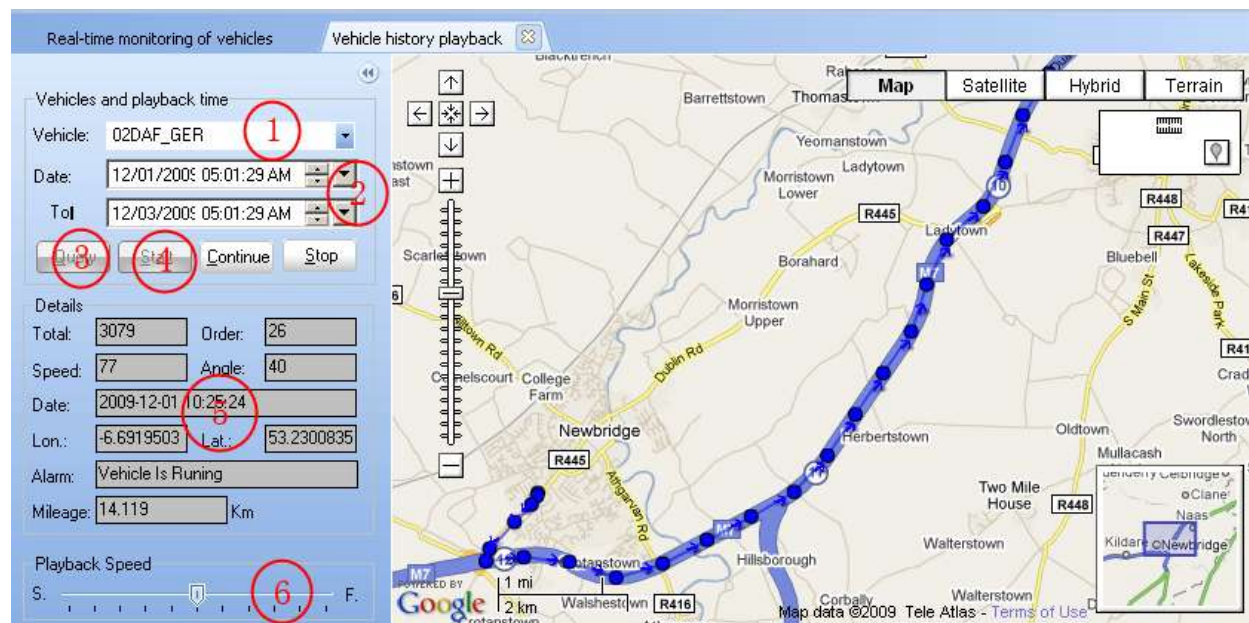
Select a vehicle in the left side, system would load the last 500 records. These records list in the left Grid.

When User click the check box, it would be show the information in map.

- 1、 Select Vehicle in this Combo Box.
- 2、 Display record in this grid order by date time.

3. History Trace

Click this menu item to show Vehicle History Trace Playback from :



(Figure 15)

In (Figure 15)

- 1、 Select Vehicle in this Combo Box
- 2、 Set Time Range—You want to playback
- 3、 Click [Query] button to Query. If there are some records, the [Start] button would be Enable to click.
- 4、 Click [Start] button to playback
- 5、 Display current record information: Longitude, Latitude, speed, Angle, Date time, Alarm, Mileage.
- 6、 Set playback speed rate. Left side—Slow, Right side---Fast

4. Refresh All Car position

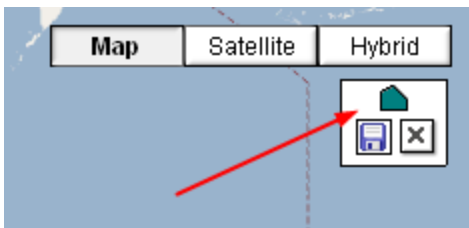
This operation would refresh all vehicles latest position in the google map. If you did not open the vehicle real-time monitor form, this operation would be not execute.

5. Pause Real-time Monitor


This operation would pause real-time monitor form to refresh trackers position.


6. Define Region

- 1 After click the “Define Region”, there is an icon will appear in the right of the map, as following:



2

- 3  → Click this button, the system will popup a save dialog box, if polygon region have been drawn on the map. If not, the dialog box will not popup.

- 4  → Click the button, the setting of define region will be closed.

- 5 Click the right-hand button on the map, there is a red icon will appear on the map. You should see the following picture:




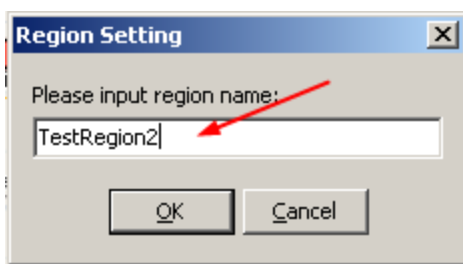
Click it again, and so on, there will be an icon appear on the map as following:



If the red icon place is not right, you can drag it to the right place.

Save the polygon region

Click this button  to save the region, the system will popup an interface as below:



Please enter the name of the region in the editor box, like “TestRegion2” , then the setting of trigger alarm region was done.

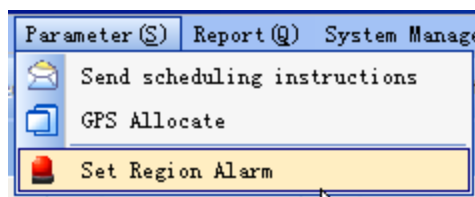
7. Show Region

Click this menu-item , the software would show the defined-region in the map.

8. Hide Region

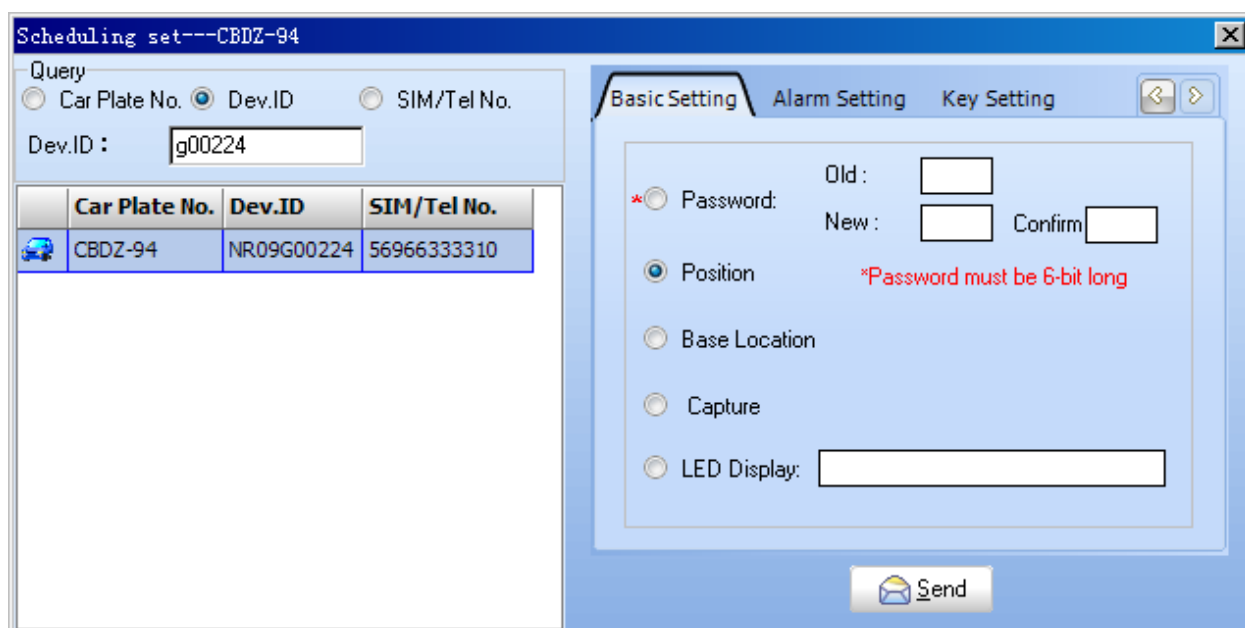
Click this menu-item ,the software would hide the defined-region in the map.

3.3.3 Parameters Setting



(Figure 16)

1. Send Scheduling Instructions



(Figure 17)

➤ Base Setting Tab Page

Password: modify device password, the password length must be 6-bit

Position: Request reply device location information. Send this command, the device would be reply its last location information.

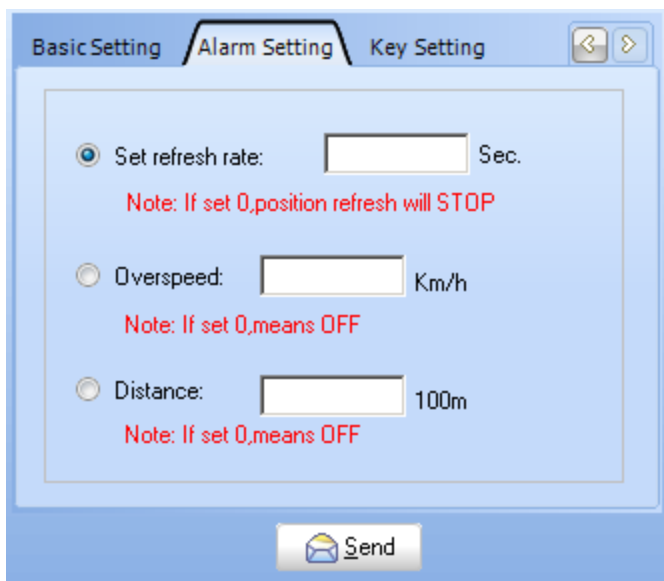
Base Location: if the device support this function, the user can get the GSM Base site location.

Capture: If the device is Image Tracker which it choice, this item would be show. Send this command, the device would capture image and send back to server. You can see the image in Main Menu Reprot→View image.

LED Display: If the device is Image Tracker which it choice, this item would be show. If the device

connect with LED Display, user can send words from it, and the LED Display would show the words.

➤ **Alarm Setting**

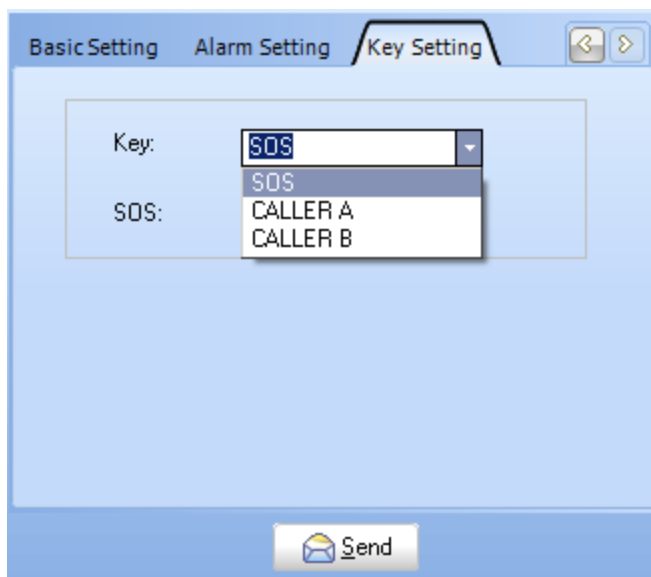


(Figure 18)

Set Refresh rate: Set device upload location information speed rate, unit: second, Range: [0..64800]

If set 0, position refresh will STOP.

➤ **Key Setting**



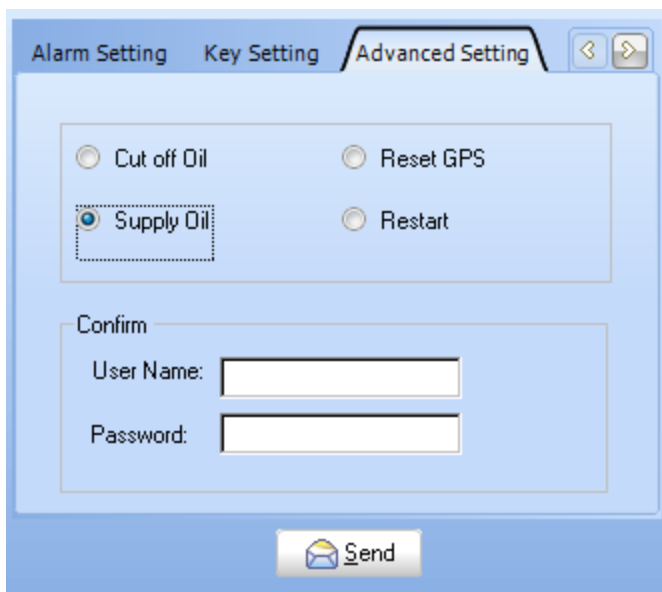
(Figure 19)

This Tab page, allow to set SOS number to device

SOS number, CALLER A Number, CALLER B Number allow to Listen .

The listen function need SIM card Calling Identity Delivery.

➤ **Advanced Setting**

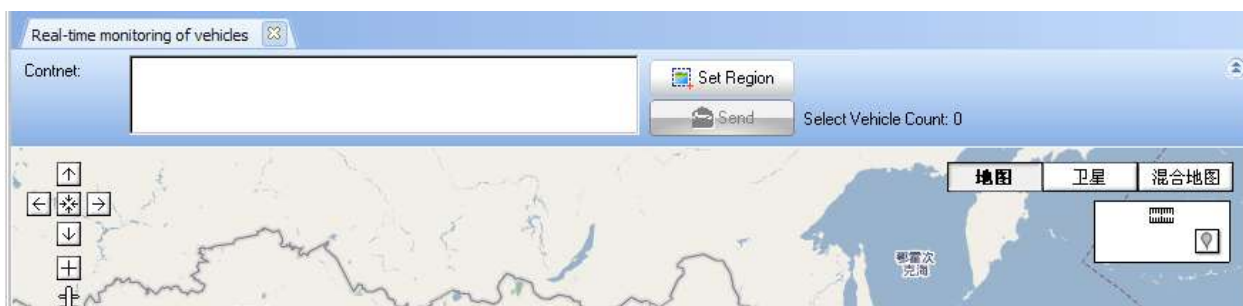


(Figure 20)

This tab page allow user to **Cut off oil / Supply Oil / Reset GPS Module / Restart the device.**

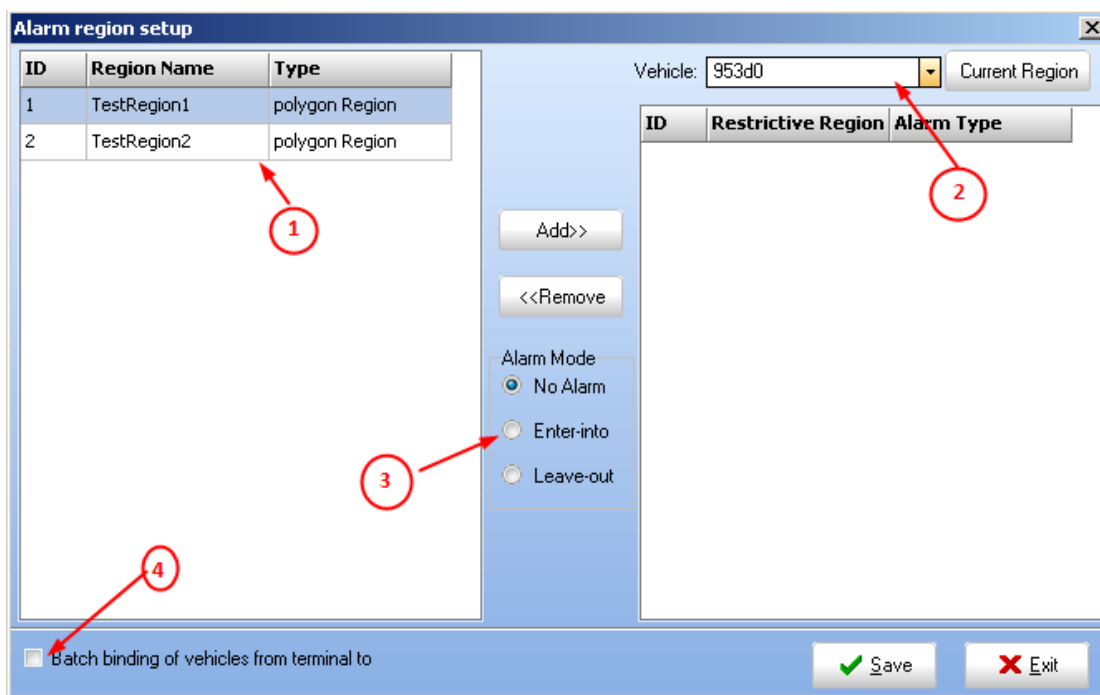
These operations need administrator authorization.

2. GPS Allocate



3. Set Region Alarm

After click the “Set Region Alarm”, there is a dialog box will be popup as below:



① → All of the region alarms which have been defined will appear in the left area.

② → All of the vehicles which could bind to the setting of region alarm will appear in the combo box.

③ → This is the types of setting region alarm. If cancel, you could select “No Alarm”. Select the “Enter-into Alarm”, if you want the vehicle trigger alarm when it enter into. Select the “Leave-out Alarm”, if you want the vehicle trigger alarm when it leave out .

④ → Unselected: you can select one vehicle to set alarm region.

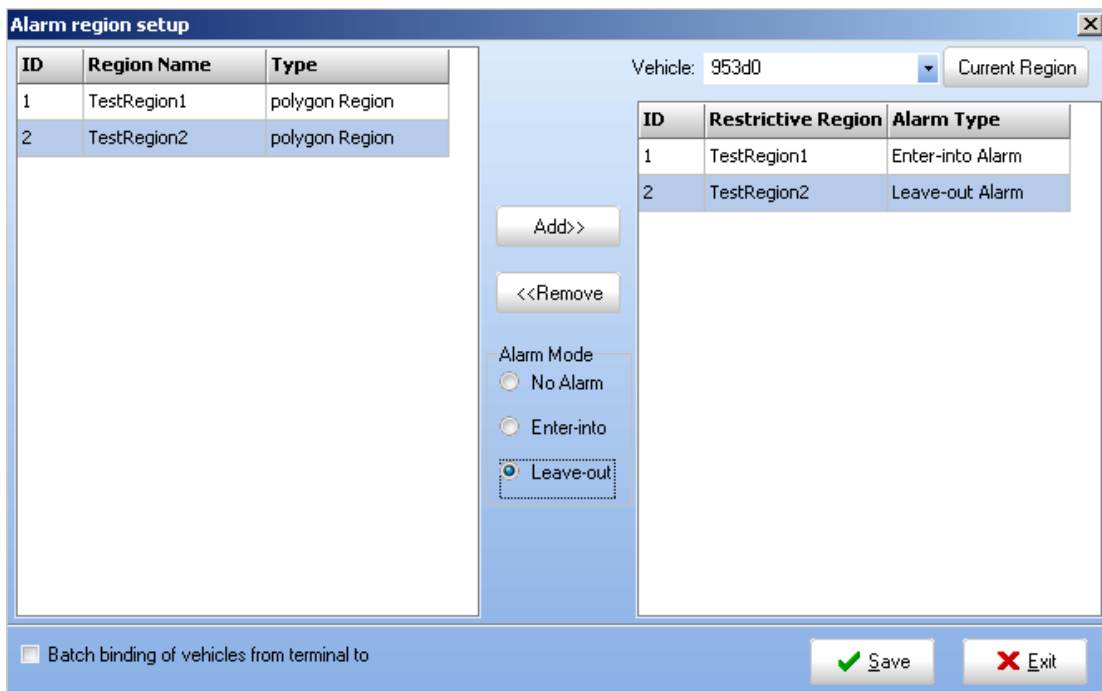
It allow you to select many region to bind one vehicle.

Selected: You can select many vehicles to bind one region.

The following will show how to blind the region to the specified vehicle, Example select the vehicle: “953d0”

Double click the name of the region at the left side, or select the “name of the region”, then click this


button 




The alarm region which you selected would be appeared at the right side.

- Select the types of trigger alarm after the region have been selected.

Note: you could set several region alarms to a specified vehicle, and trigger different types of alarms.

- Click the button  to save the setting, the setting will be effective immediately in the system after saving succeed. You could find some information as below in the information hurdle:

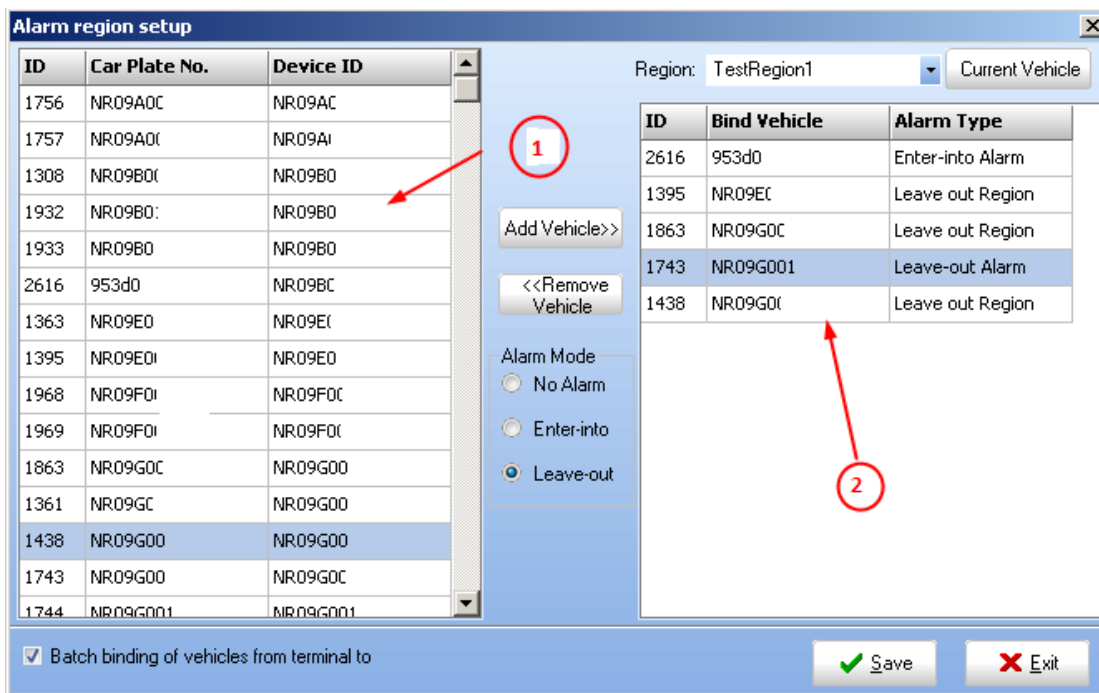
ID	Message Content	Car ...
 1	Command resp.:Position Vehicle Stopped,Leave out Region(TestRegion1)	953d0

Explain:

While select "Batch binding of vehicles from terminal to"

Select Batch binding of vehicles from terminal to

the interface as following:



Explain this as below in the photos of 1 and 2

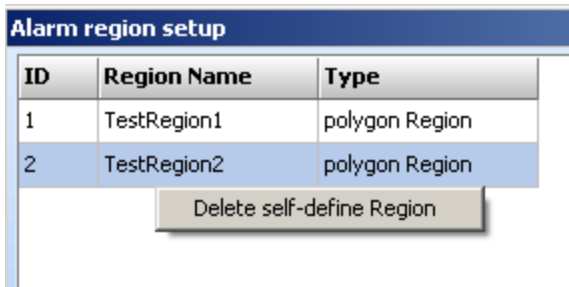
① → All of the region alarms which have been defined will appear in the area.

② → All the vehicles which are blind to the region of “Test Region1” will appear in the area.

Different vehicle could set different types of trigger alarm.

➤ **Delete the define region**

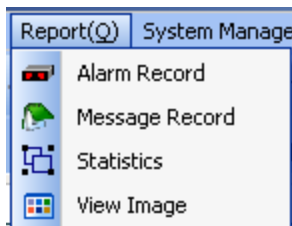
As the picture below:



“Delete self-define region “would popup while click the right-hand button after select the area.

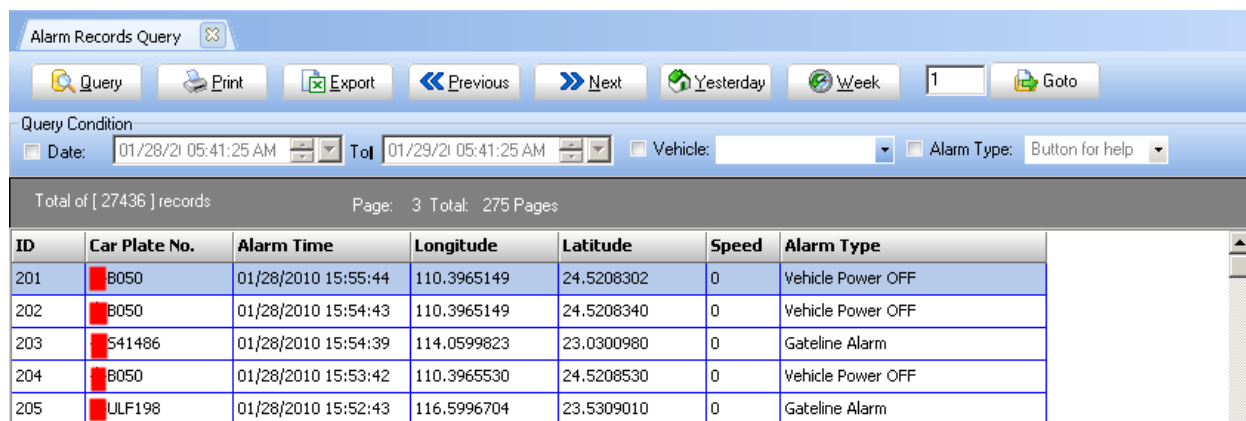
Delete the region alarm while click the “Delete self-define region” , in the meanwhile the setting of region alarm with the specified vehicle will be cancelled.

3.3.4 Report



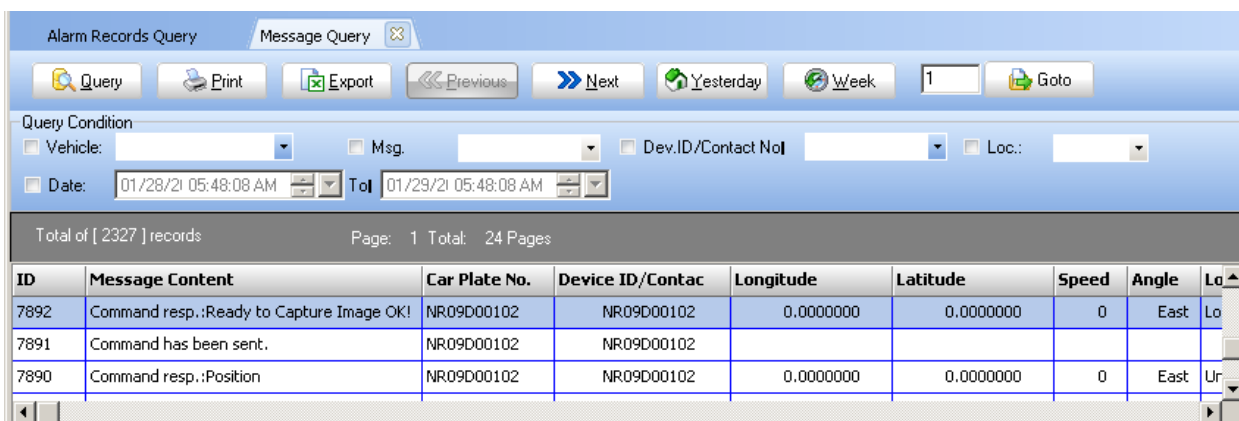
(Figure 21)

1. Alarm Record Query



(Figure 22)

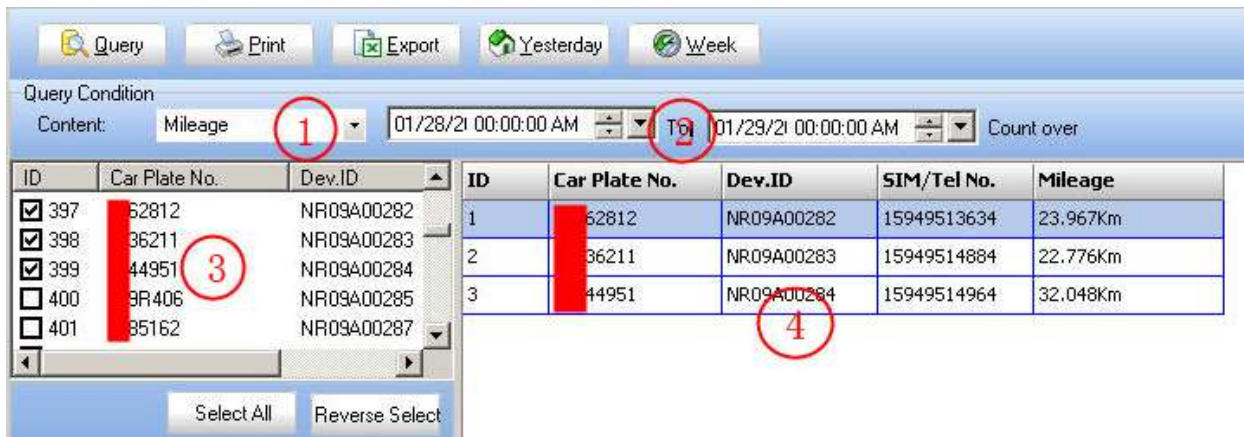
2. Message Query



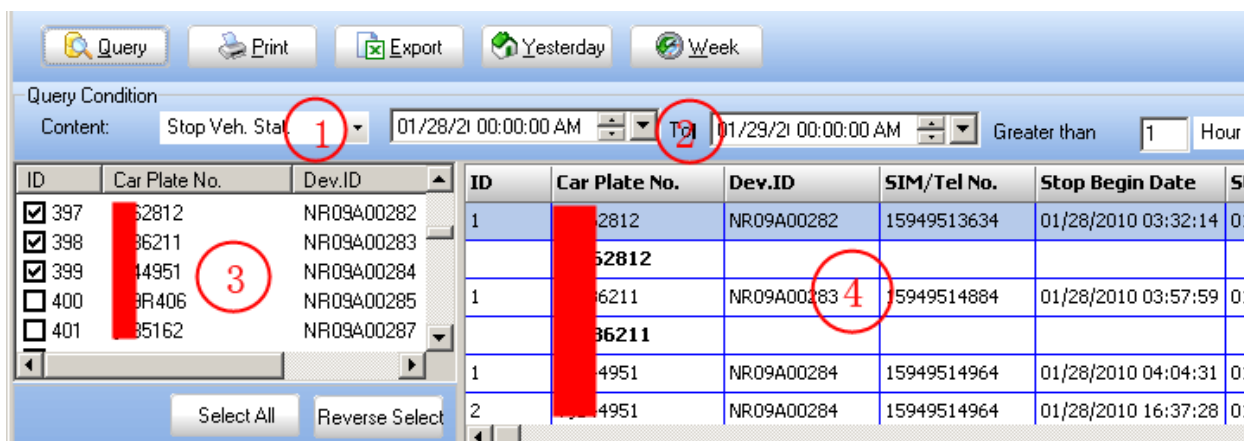
(Figure 23)

3. Statistics

Statistics type: Mileage Statistics / Stop Vehicle Statistic / Fuel Curve / ACC On Stat.

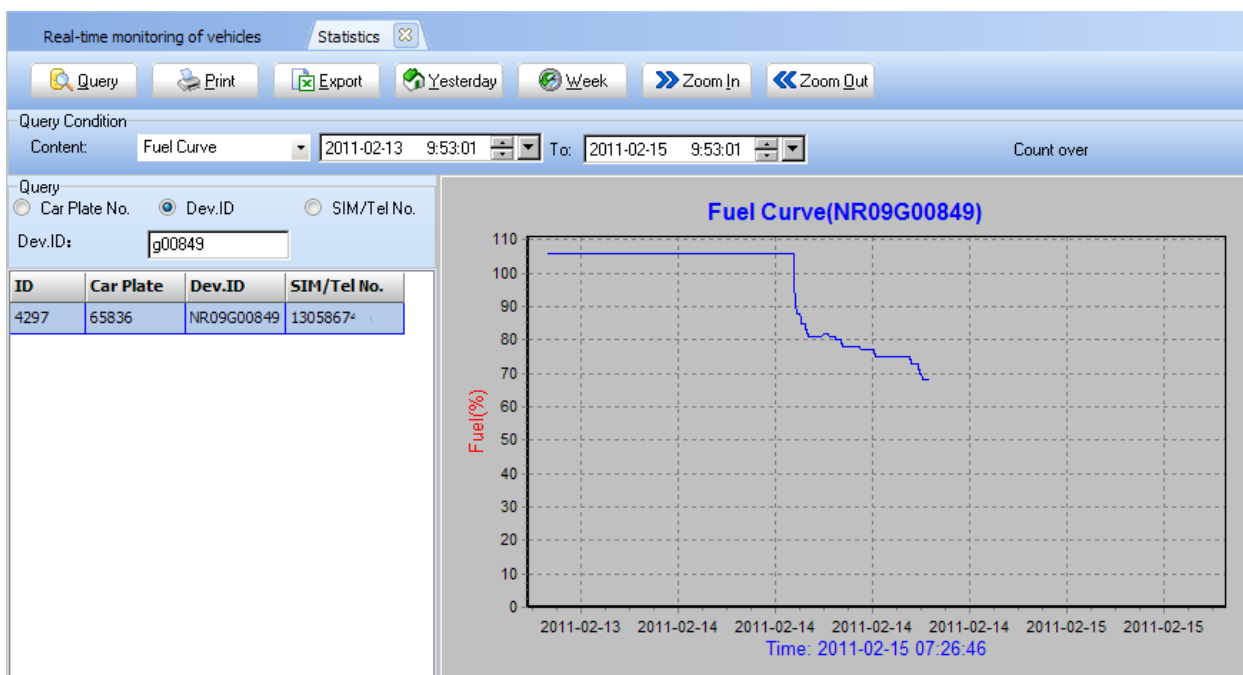


(Figure 24)



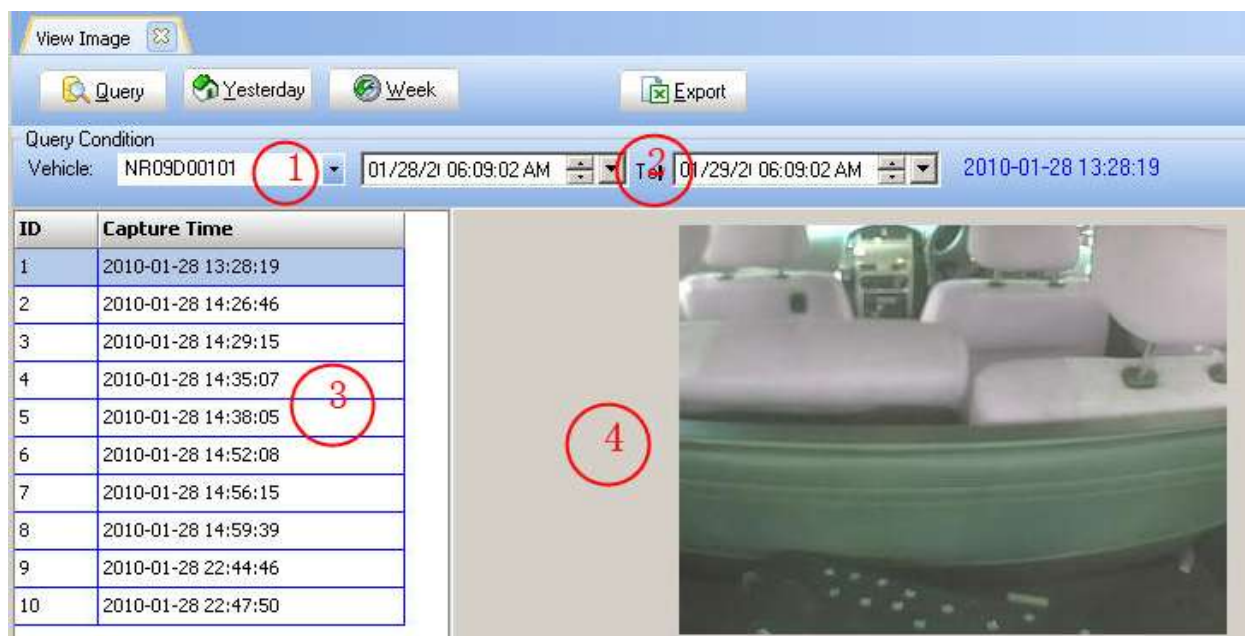
(Figure 25)

- 1、 Select Statistics Type
- 2、 Set Statistics Time Range
- 3、 Select Vehicles
- 4、 Click [Query] button to Query, And show the statistics result in this grid.



4. View Image

When the user has logged on with camera tracking devices, the system will automatically display this menu item, click on this menu item, will allow users to view their camera equipment capture images

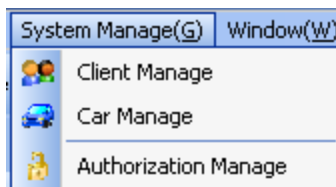


(Figure 26)

- 1、 Select Vehicle (Camera Tracker)
- 2、 Set Time Range
- 3、 Click [Query] button. If there are some images, it would be list in this grid. And Click this grid item to show image.

4、 View Image

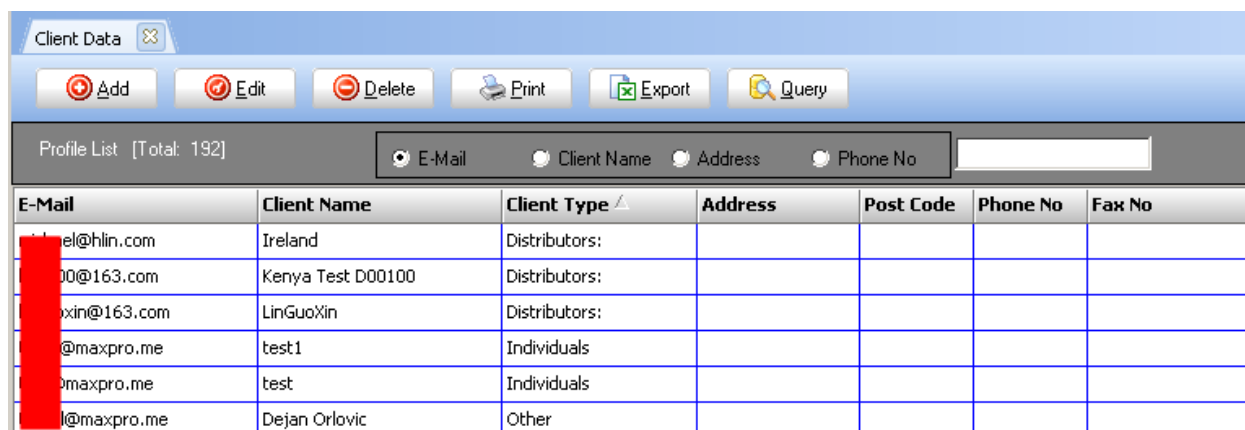
3.3.5 System Manage



(Figure 27)

1. Client Manage

Click this menu item to show client manage form:



(Figure 28)

Click [Add] button to add new client. Click [Edit] or Double click grid line to edit select row client. Click [Delete] button to delete the select row client.

Notice: New client name must be use Email format. One client allow bind many vehicles, but a vehicle only belong to one client.

Add or Edit Interface like this :

(Figure 29)

2. Car Manage

Real-time monitoring of vehicles Vehicle Information

Vehicles List [Total: 1051]
 Car Plate No.
 SIM/Tel No.
 Dev.ID
 User

Car Plate	SIM/Tel No	Dev. ID	Owner No.	Address	User	Vehicle	Contact No	Engine No.
TREVOR	813595	NR09B00162		IRELAND 00353	@hlin.com	Truck		
S1	813595	NR09A00117			@163.com	Car		
12	814492	NR09A00118			@163.com	Car		
GER	813747	NR09B00163		IRELAND 00353	@hlin.com	Truck		
JASON	814492	NR09B00161		IRELAND 00353	@hlin.com	Truck		

(Figure 30)

(a) Add/Edit

(Figure 31)

Note: the **Red *** must be fill.

- Car Plate No.、SIM/Tel No. (SIM card used in device)、Authorized password & Device ID
- Notice:** Car Plate No. & Device ID need not repeat.
- **User:** This item need add before in client manage, Here are just reference only.
- **Device Type:** Now support device type: Hand-held Tracker, Auto Anti-theft device, Auto Tracker, Camera Tracker.

(b) Delete

If you want to delete, you can select this vehicle and click [Delete] button. There a confirm dialog display before to real delete this item:

(Figure 32)

Select [Yes], system will delete this vehicle's all data(include location information and image), all data will not be restore.

(c) Log out

Click [Log out] button to show log out form:

Vehicles logging out

Vehicles basic information

Car Plate No. 00KEMM2 Owner No.:

Device ID: 0860314492 Driver: 07/03/2009

Logout Reason Detail

Logout Date: 2010 January ; Logout Type:

Logout Reason:

Confirm Exit

(Figure 33)

Note: For the log-out vehicles will no longer appear in the main form of vehicles list, that is no longer real-time monitoring and tracking, so this operation should be carefully .

(d) Print

Print vehicles information .

(e) Export

Export vehicles information to Excel table.

3. Authorization Manage

This function only used by Super administrator :

The screenshot shows a 'User Authorization' window with a toolbar containing buttons for Add, Edit, Delete, Print, Export, Query, and Authorize. Below the toolbar is a 'User Right List [Total: 70]' section with radio buttons for Name, ID, Department, and Company, and a search input field. The main area is a table with the following data:

Name	Sex	Educa	ID	Birth Date	Politics	Employmen	Authority	Department
admin	Male	Primary		2009-04-10		2009-04-10	SuperAdministrator	
user	Male	Bachelo		2009-04-10		2009-04-10	SuperAdministrator	
	Male	Bachelo		2009-04-10		2009-04-10	SuperAdministrator	
ng	Female	Other		2009-05-06		2009-05-06	SuperAdministrator	
	Male	Other		2009-05-06		2009-05-06	SuperAdministrator	

(Figure 34)

Add user

The 'User Information' dialog box contains the following fields and controls:

- *User Name: [Text Input]
- ID Card No: [Text Input]
- *Password: [Text Input]
- *Confirm: [Text Input]
- Politics: [Text Input]
- Role: [Dropdown Menu, 'Ordinary user' selected]
- Education: [Dropdown Menu, 'Other' selected]
- Sex: [Dropdown Menu, 'Female' selected]
- Birthday: [Date Picker, '2010-01-29' selected]
- Employment: [Date Picker, '2010-01-29' selected]
- Company: [Text Input]
- Department: [Text Input]
- Home Addr.: [Text Input]

A red note at the bottom right states: **Note: The red * item must be fill**. At the bottom are 'Save' and 'Cancel' buttons.

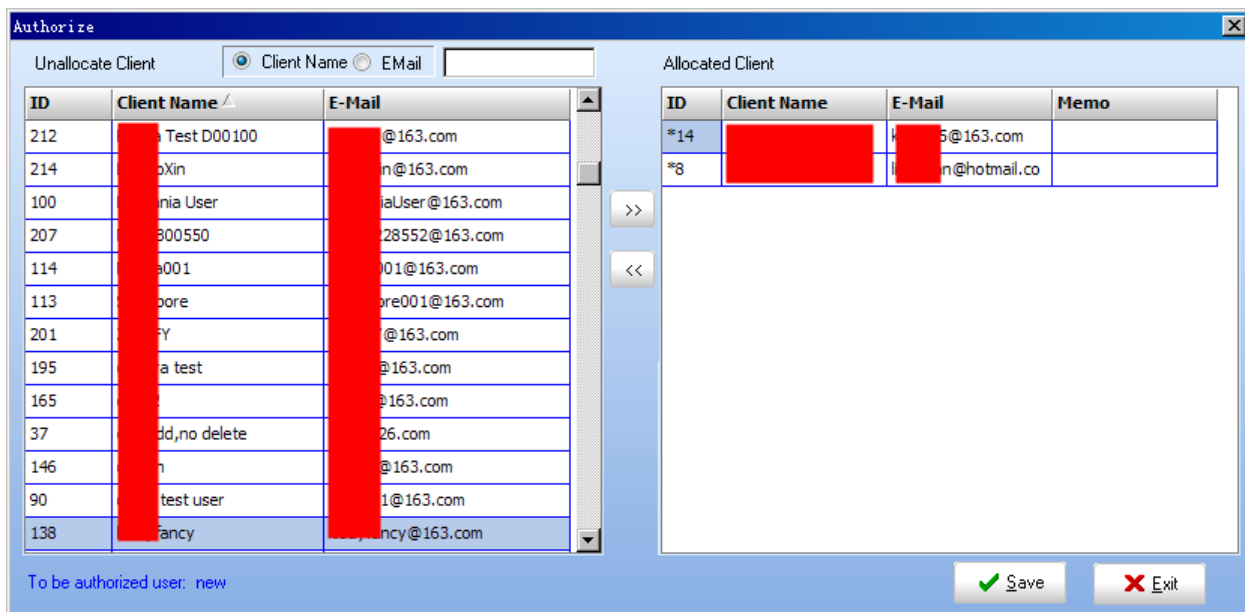
(Figure 35)

The highest authority of the system user name is ‘**admin**’, other users are divided into three: Super administrator, Administrator, and the general user.

Authorization for user

When the login user is **Admin** or Super administrator, this button would be display.

Click this button to authorization for its child user.



(Figure 36)

Left side is not assign to its child. Right side has assigned.

Notice:

This System support four right user types: admin, super administrator user, administrator user, general user.

Admin user: If you use this account login, you would execute all operation, and the other uses are children of its.

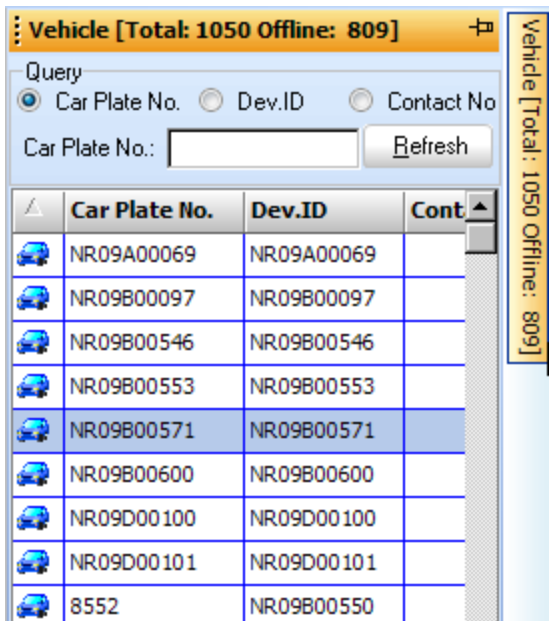
Super Administrator user: This Account can execute all operation. But it is only manage the vehicle which the Admin uses assign.

Administrator User: This Account can execute: add/delete/modify: vehicle / client, and send command to tracker.

General User: This Account can execute query function.

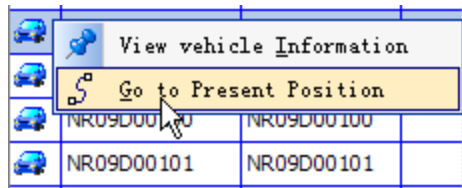
3.3.6 Vehicle List Panel

Vehicle List Panel in the right side of the main form :



(Figure 37)

In Vehicle Grid List, right-mouse click to show popup menu :



(Figure 38)

3.3.7 Message List

Message List										
ID	Message Content	Car Plate No.	Device ID	Longitude	Latitude	Speed	Angle	Location	Time	Vehicle State
2	Command resp.:Position	8552	NR09B00550	121.7314453	31.9117641	0	South	Located	2010-01-29 11:45:08	Vehicle Stopped
1	Command has been sent.	8552	NR09B00550						2010-01-29 11:45:49	

(Figure 39)

3.3.8 Help--About



(Figure 40)