TR-203 Personal Tracker

User Manual

Version: 0.6

Globalsat Technology Corporation
16F., No. 186, Jian-Yi Road, Chung-Ho City, Taipei Hsien 235, Taiwan
Tel: 886.2.8226.3799/ Fax: 886.2.8226.3899
service@globalsat.com.tw
www.globalsat.com.tw

USGlobalSat Incorporated
1308 John Reed Court, City of Industry, CA 91745
Tel: 626.968.4145 / Fax: 626.968.4373
sales@usglobalsat.com
www.usglobalsat.com

Operator Reminders

Power Supply Usage

- It is your responsibility as the device owner to charge the internal rechargeable battery for a minimum of three (3) hours via the supplied AC power adapter under the power-off condition. This is highly recommended for first time users.

SIM Card Notice

- It is your responsibility as the device owner to disable voicemail, call waiting, and call forwarding. If not certain, contact your telecommunications service provider to disable these features.

Battery Safety Precaution

- It is your responsibility as the device owner to meet all battery operating parameters set forth by the manufacturer's specifications. Otherwise, operators exceeding the recommended Li-Ion battery pack care may encounter a potential risk of heating, explosion, and ignition leading to the risk of fire and burns. Do not disassemble, crush, puncture, short contacts and dispose in fire or water. Do not use battery if the following is encounter: notice physical damage, deformed, deformed or emissions a foul odor.

- Do not place TR-203 in environments with temperatures exceeding 55 °C (131 °F). Standard operating temperature range is -20°C and 55°C.

- Only use original manufactured power charger

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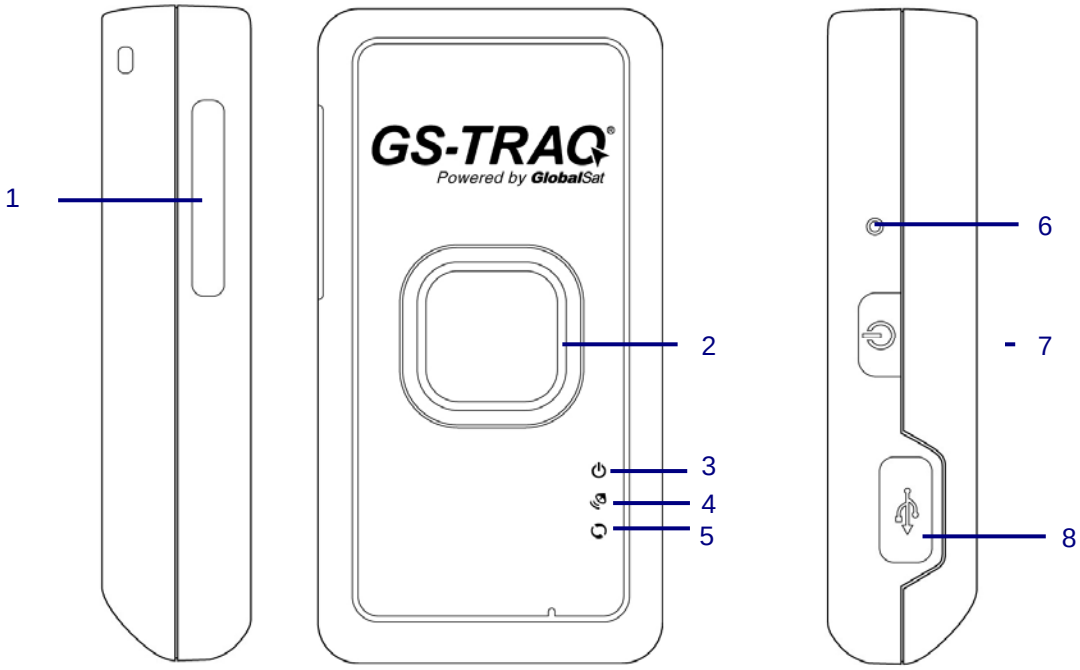
1. Introduction

TR-203 is a personal tracking device with fast acquisition time. It is compact, portable and stylish in design with GPS / GSM / GPRS wireless network. User can easily remotely configure TR-203, and then displays the location by specific map software. Plus voice monitoring function, geo-fence function, data logger function, this is simply your best choice for remote tracking.

1.1 Product Description



1	**SIM card holder**
2	**SOS button**
3	**Power status LED**
4	**GPS LED**
5	**GSM LED**
6	**Reset key**
7	**Power Key**
8	**Mini USB port**

1.2 LED Indicator

Power Status LED

LED	**Orange**	**Red**
State	TR-203 is being charged.	Battery power is low

GPS LED

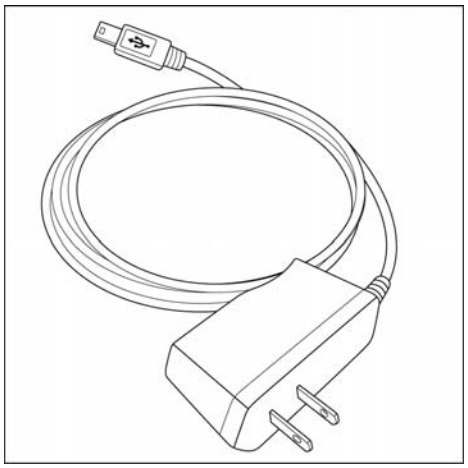
LED	**Blink Quickly** (Once per second)	**Blink Slowly** (Once every 3 seconds)
State	TR-203 does not get GPS fix	TR-203 gets GPS fix

GSM LED

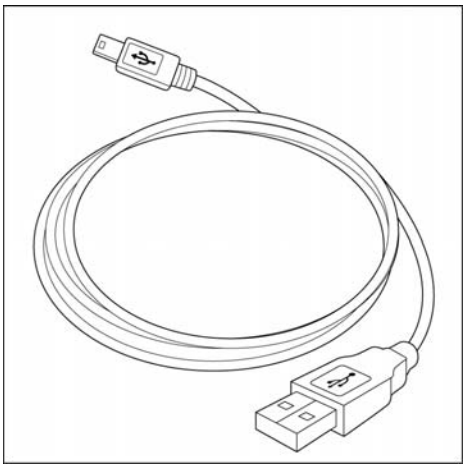
LED	**Blink Quickly** (Once per second)	**Blink Slowly** (Once every 3 seconds)
State	1. No SIM card inserted 2. TR-203 is searching GSM network 3. SIM card is registering to GSM network	Standby Mode

1.3 Accessories

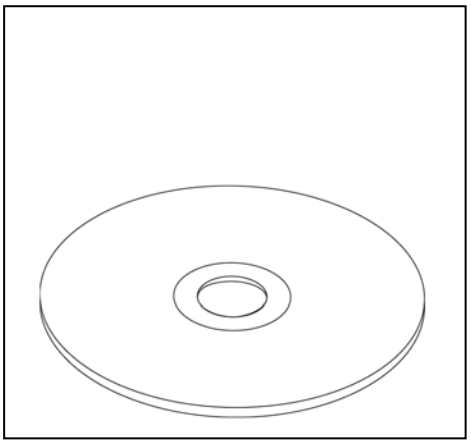
TR-203



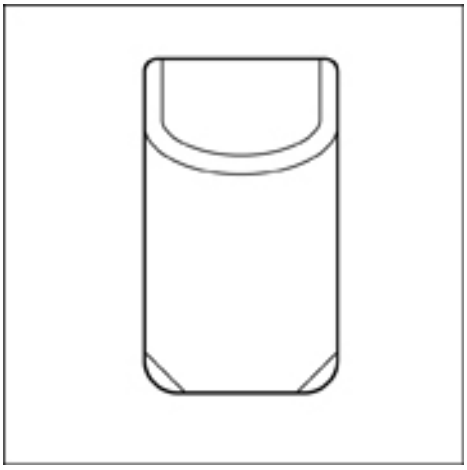
AC charger



USB cable



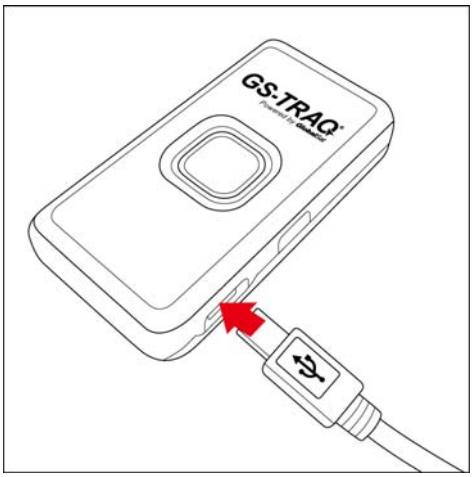
CD Utility



Carry Bag

2 TR-203 Operation

2.1 Charge the device



Initially, the enclosed rechargeable battery requires a complete charge before device usage. Therefore, to maximize your device's battery life it is highly recommended to proceed by performing the steps listed below.

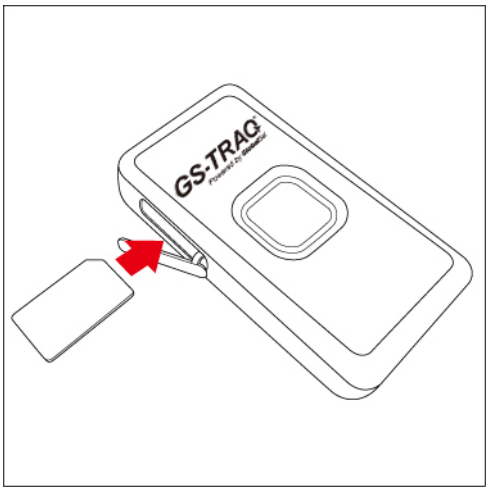
METHOD 1: Using the AC adapter cable charge method:

1. Connect TR-203 to its supplied AC adapter cable.
2. Allow a 4 hour battery charge time. (TR-203 in power-off condition)

METHOD 2: Using the USB cable charge method:

3. Connect TR-203 to its supplied USB to Mini-USB cable to PC or Notebook. (Computer requires to be turned "ON")
4. Allow a 4 hour battery charge time. (TR-203 in power-off condition)

2.2 Install SIM card



With the cooper contacts facedown, align the notch on the SIM card with the notch on the SIM slot and insert the SIM card. If SIM is inserted correctly, you will not be able to see the copper contacts after inserting the card. To eject SIM card, simply, use your finger nail and apply slight pressure.

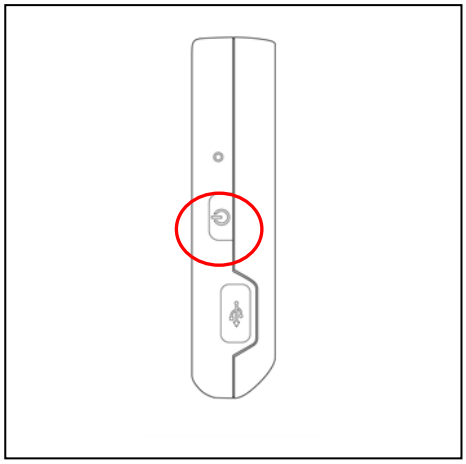
Note: *Refer to your mobile phone manual to disable the SIM PIN entry function by your mobile phone.*

Note: *Before installing or taking out SIM card, please power off TR-203.*

2.3 Emergency button

Press and hold the emergency button until you feel the device vibrating. TR-203 will send the emergency report to the preset phone or TR Management Center.

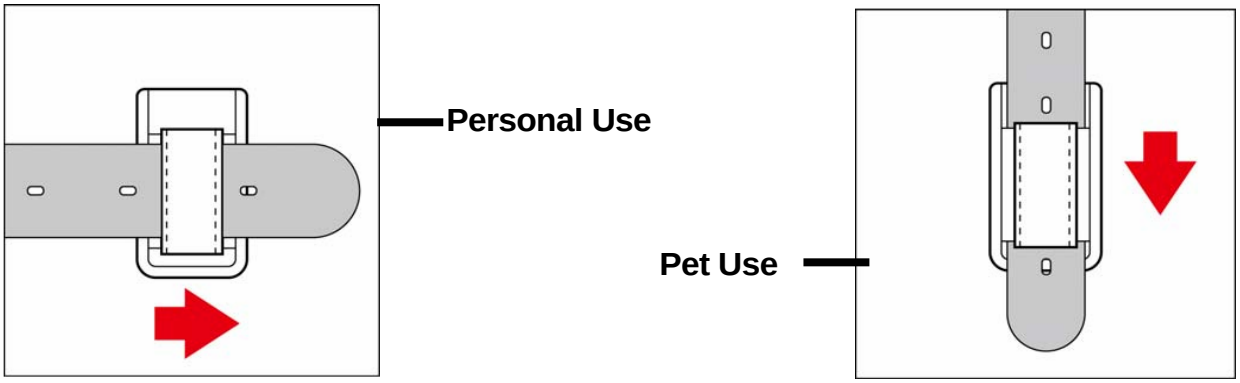
2.4 Initialization



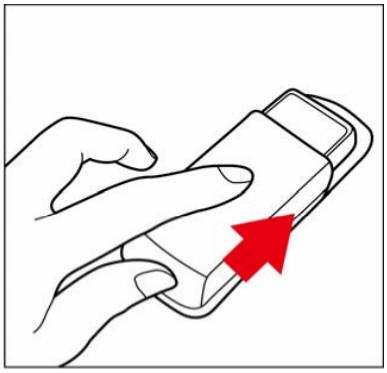
To turn the device “ON”, press and hold the power button until you feel the device vibrating. To turn the device “OFF”, press and hold the power button until you feel the device vibrating. The vibration effect indicates the user requests have been acknowledged.

2.5 Carry Bag

The enclosed carry bag provides versatility to users with applications encompassing persons and/or pets. In addition to flexibility, security is the other important attribute with the assistance of a belt.



Slide the TR-203 device into the carry bag, until is secured. To remove the TR-203 device from the carry bag, simply, apply pressure at the bottom with outward force pushing the TR-203 out of the bag as pictured below.



3. TR Management Center 203 Setting

TR Management Center 203 PC application is design for user; set up, manage, and send command transmissions to the TR-203. With TR Management Center 203, you can easily set-up, ping, and request TR-203 send periodic report, etc.

3.1 TR Management Center 203 computer system requirements:

1. The computer must be equipped with at least an Intel Pentium IV or equivalent AMD CPU, 256MB of RAM and a network card.

2. Supports the following operating systems: Windows XP, Windows 2000, Windows Server 2003 or Windows Vista. The graphics card must support at least 256 colors and a resolution of 800x600 or higher.

3. Skype must be version 3.6 or higher. The latest version can be downloaded from www.Skype.com.

3.2 TR Management Center 203 program network requirements

1.) **STATIC IP**

If your internet provider is configured to use a static IP, then you are all set and can go on to #2. If your internet provider uses a DHCP Client, PPPoE, or PPTP, you will need to get a static IP. This can be easily accomplished by visiting the following website: www.dyndns.com. They provide a free service that routes your computer to a static IP address. First you will need to create an account and then download the necessary software.

2.) **ROUTER CONFIGURATION**

If you are using a router, it must be configured to allow the TR-203 to connect to your PC. Please contact your router's manufacturer or download your models user manual to find out how you can configure these settings for your particular model:

Items to consider:

Dynamic DNS Provider: Here is where you can input the information relating to your static IP obtained from Dyndns (Optional)

Firewall: Must be set up to allow incoming traffic.

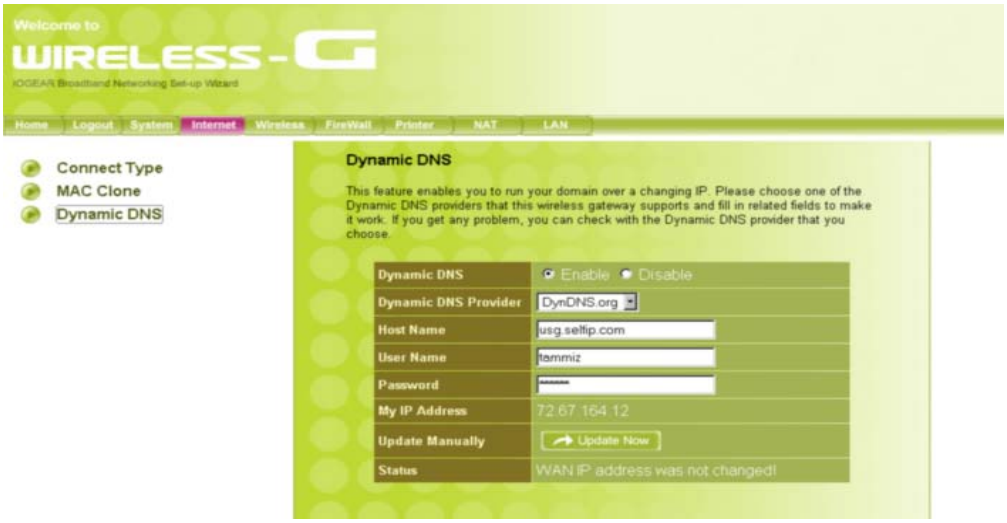
Virtual DMZ: Here you input the static IP of the computer running the TR Management

Center 203.

Custom Service Filter: Here you open a TCP Port for the Call Center.

Here are some sample screenshots of these settings using a Netgear router:

Input Dynamic DNS Provider



Open Inbound Traffic

Create TCP port for TR Management Center 203

Input IP of computer with TR Management Center 203

NOTE: Not all router configurations are the same. These screenshots serve as an example of the settings that require router configuration.

Popular Router Manufacturers and Links

Linksys - http://www.linksys.com

Belkin – http://www.belkin.com/support/browse/?lid=en

D-link – http://support.dlink.com/downloads/

TRENDnet – http://trendnet.com/support/

Netgear - http://kbserver.netgear.com/downloads_support.asp

US Robotics - http://www.usr.com/support/s-main-menu.asp

3.) FIREWALL

If you have a active firewall on your computer, you will need to allow access to your computer by opening the same TCP port that you configured in your router setup.

For Windows XP:

a.) Go to Control Panel > Windows Firewall.

b.) Under Exceptions tab, select “Add Program”. If you don’t see the TR Management Center listed, browse for it.

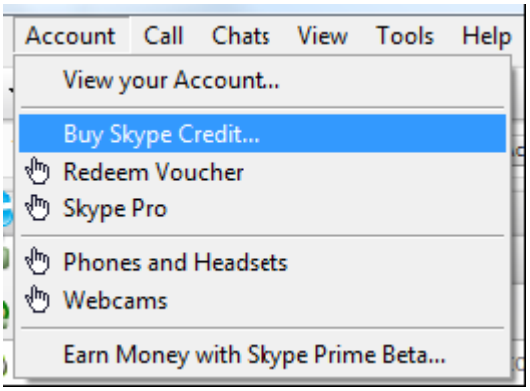
c.) Next, go to “Add Port”. Input a name and TCP port.

4.) GPRS SETTINGS

GPRS settings can be obtained from the carrier of the SIM you are using in your TR-203. Your SIM carrier can provide you with the APN, user name and password, and DNS addresses. Your carrier may use all these settings, or just one or two in which the remaining should remain blank. You can also find this information for many popular carriers at Appendix

5.) SKYPE SETTINGS

TR Management Center 203 program connects TR-203 by Skype out. Please buy Skype credit. TR Management Center 203 cannot work if there is no Skype credit. You could buy Skype credit by selecting **Account → Buy Skype Credit** on the menu bar of Skype



3.3 Copyrights and Example Information

The copyright on all software and hardware mentioned in this manual belong to their respective owners.

1. The copyright of Windows XP, Windows 2000, Windows 2003 and Windows Vista belong to the Microsoft Corporation.
2. The copyright of the Skype program belongs to Skype Technologies S.A.
3. The copyright of Google Map belongs to **Google Inc.**
4. The copyright of Intel Pentium belongs to the Intel Corporation.
5. The copyright of AMD belongs to Advanced Micro Devices, Inc.

All text and telephone numbers mentioned in this manual are used as an example only. We apologize in advance for any coincidences. Any copyrights not mentioned in this manual belong to their respective owners.

3.4 USB Driver Installation

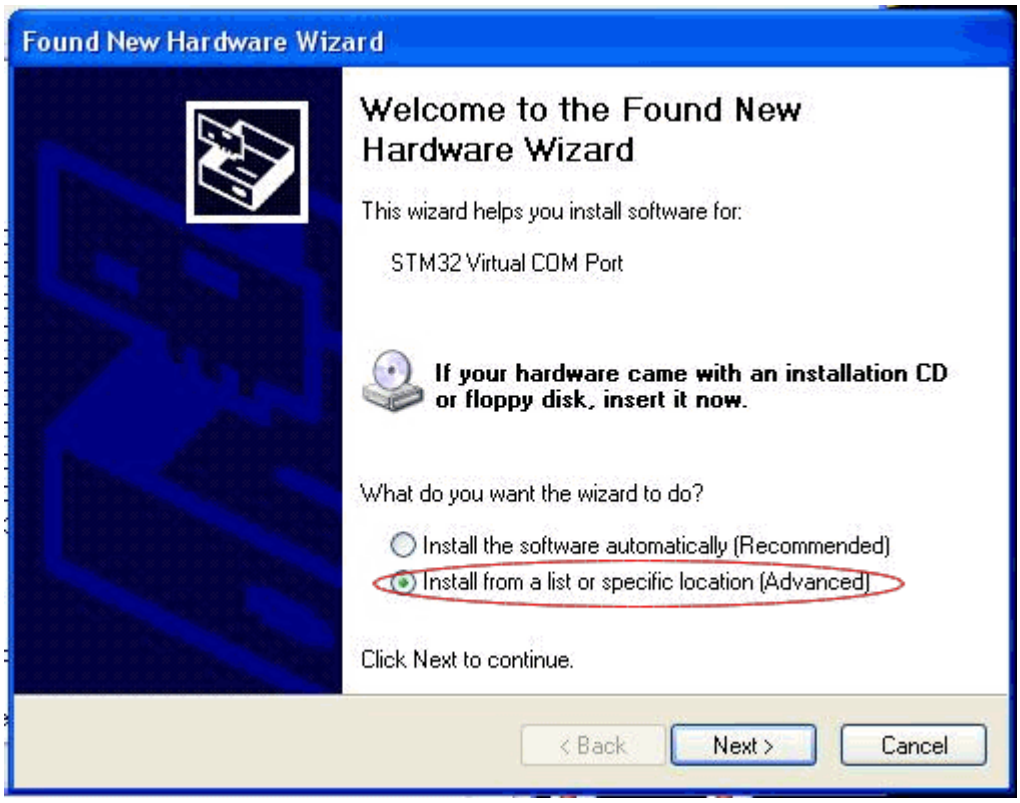
In order to configure TR-203 by the USB configuration of TR Management Center 203, you are required to install the supplied (CD-ROM) USB driver to your PC hosting the TR Management Center 203 program.

USB driver installation steps:

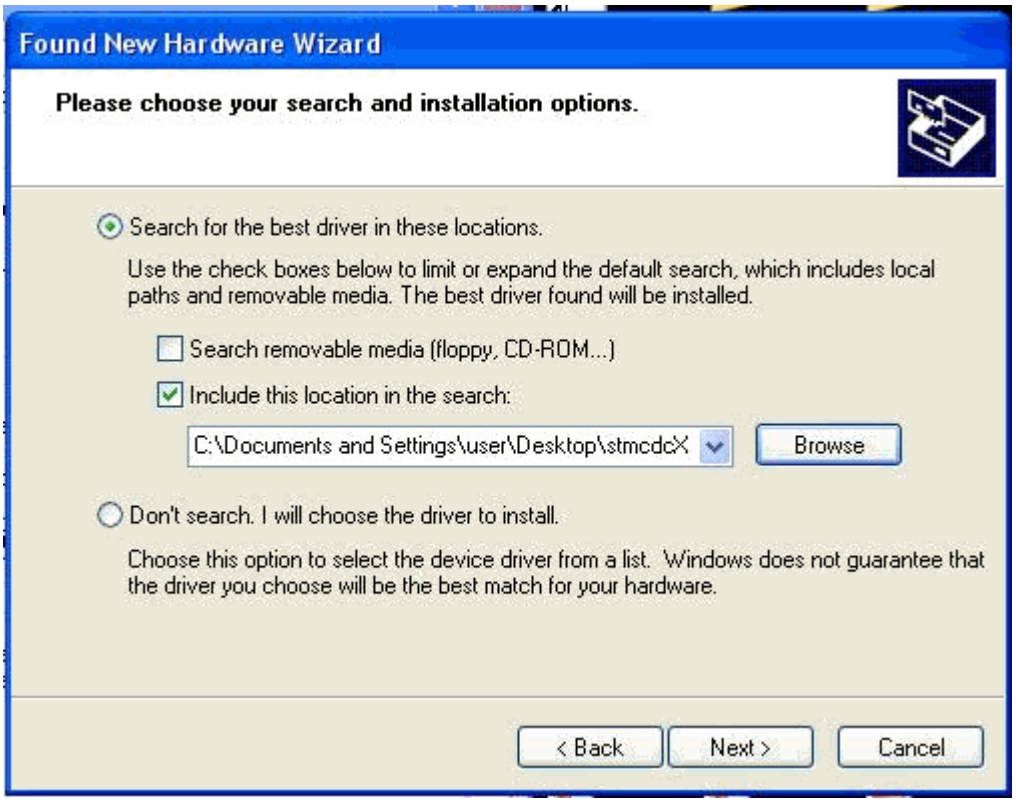
Step 1: Insert the product CD in your PC's CD ROM.
AutoRun installation window will be displayed as the screenshot below.

Step 2: Click "**Install USB drivers**". You will view the folder "**stmcdcXP_VISTA-x86-x64**"

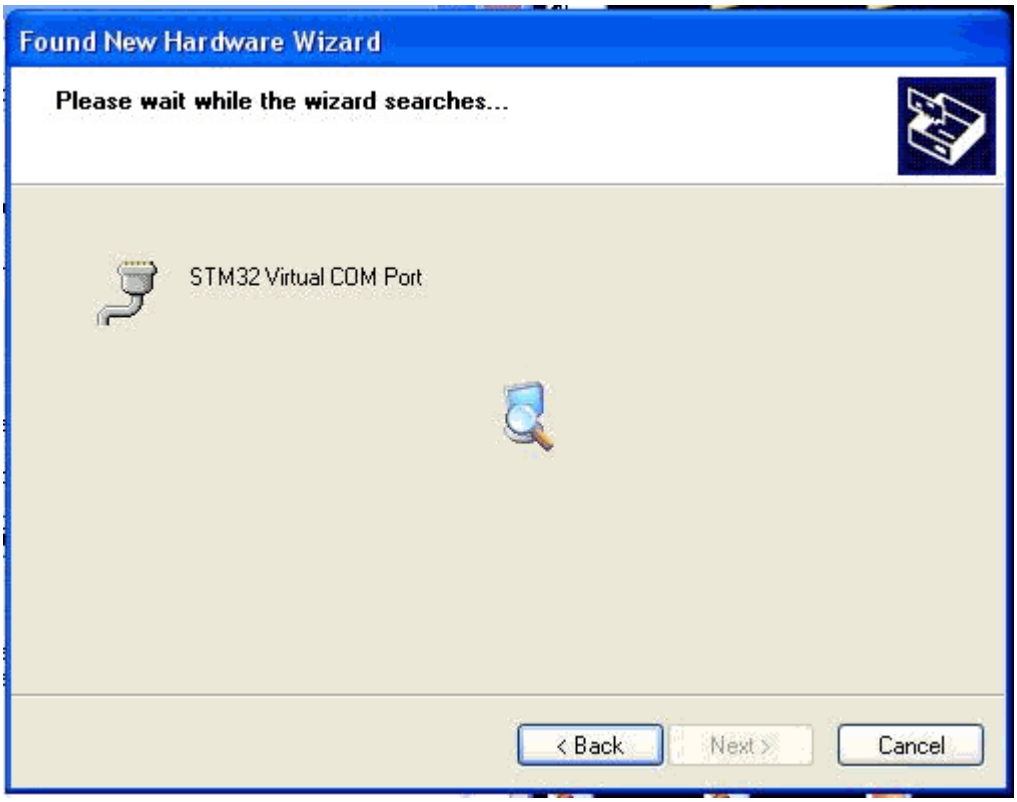
Step 3: Please copy the folder to your PC.
Step 4: Please connect TR-203 to PC via USB cable.
Step 5: Please power on TR-203.
Step 6: Please lightly press power button. You will see emergency button emit light. Then a window as below will be brought up.



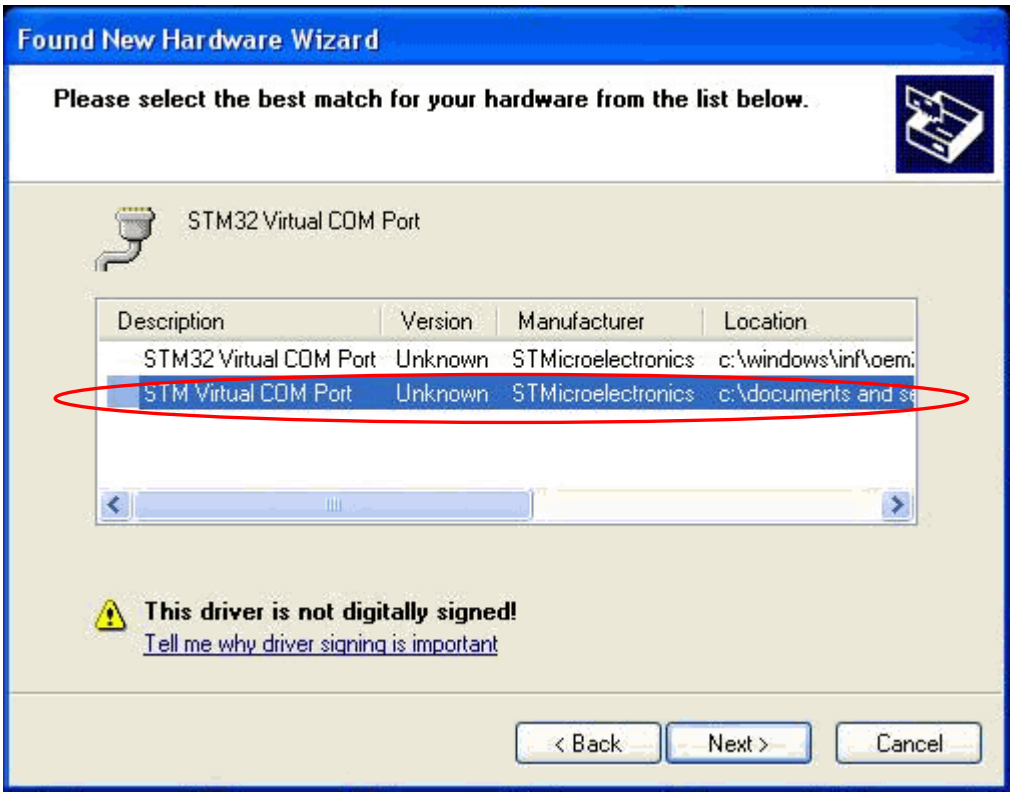
Step7: Please select "**Install from a list or specific location [Advance]**" and click **Next** button.



Step 8: Please click **Browse** button and locate the path of the folder "**stmcdcXP_VISTA-x86-x64**" and then click **Nex**t button.



Step 9: Please select **STM Virtual COM Port** and then click **Next** button.



You will see the window below.

Step 10: Please click **Continue Anyway**.

Step 11: The USB driver is installed after you click **Finish** button on the window below.

Note:
The USB driver is installed in the COM port you connected with TR-203 device. If you connect TR-203 into different COM port of PC next time, you have to install the USB driver in that COM port again.

3.5 TR Management Center 203 Installation

The TR Management Center 203 Program is enclosed in the Product CD-ROM.

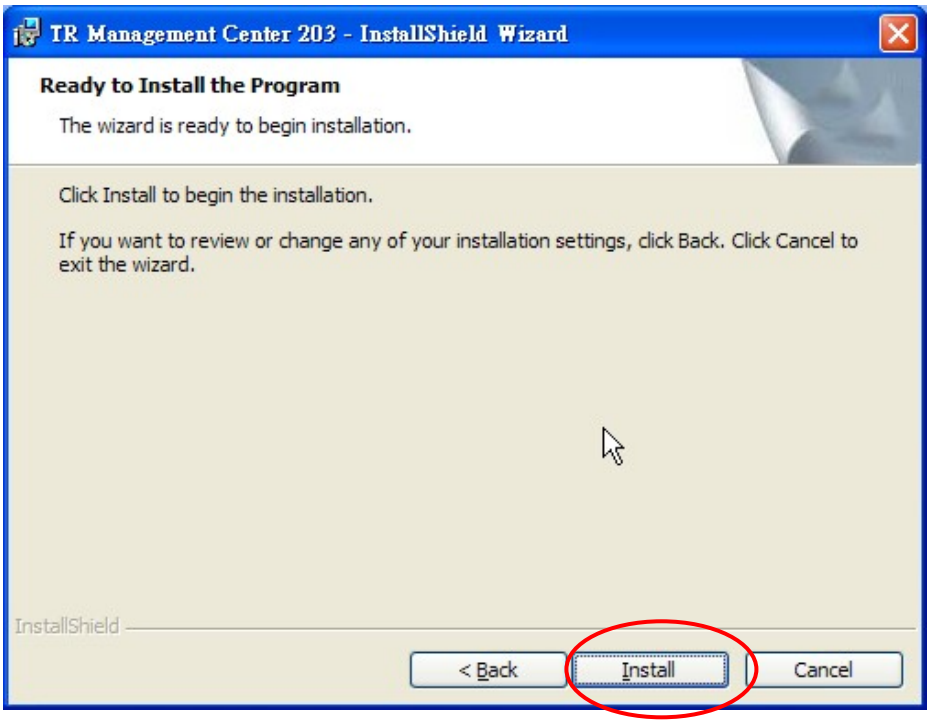
TR Management Center 203 installation steps:

Step 1: Insert the product CD in your PC's CD player. An AutoRun installation window will be displayed as the screenshot below.

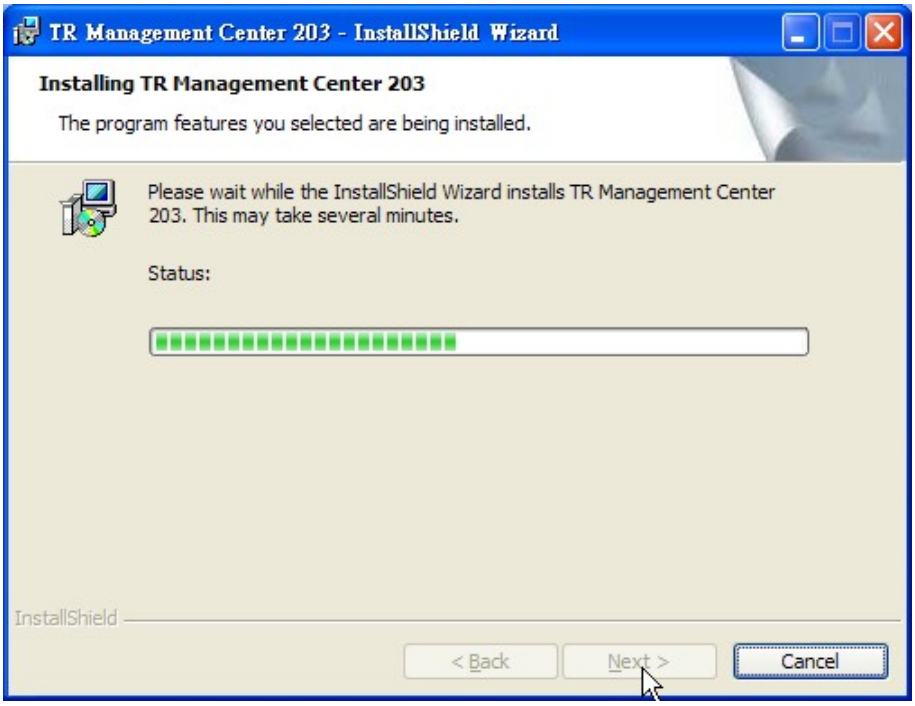
Step 2: Click "**Install PC software**" to install TR Management Center 203

The "Install Shield Wizard" window will be shown as illustrated below.

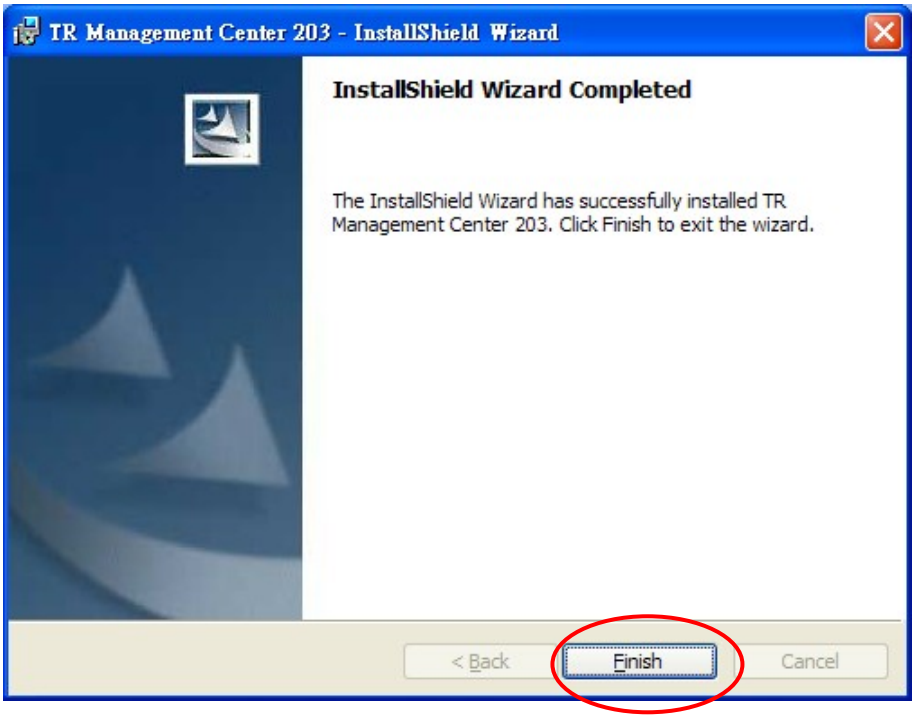
Step 3: Click “**Next**” button.



Step4: Click “**Install**” button.



Step 5: Wait while Install Shield Wizard install TR Management Center 203.

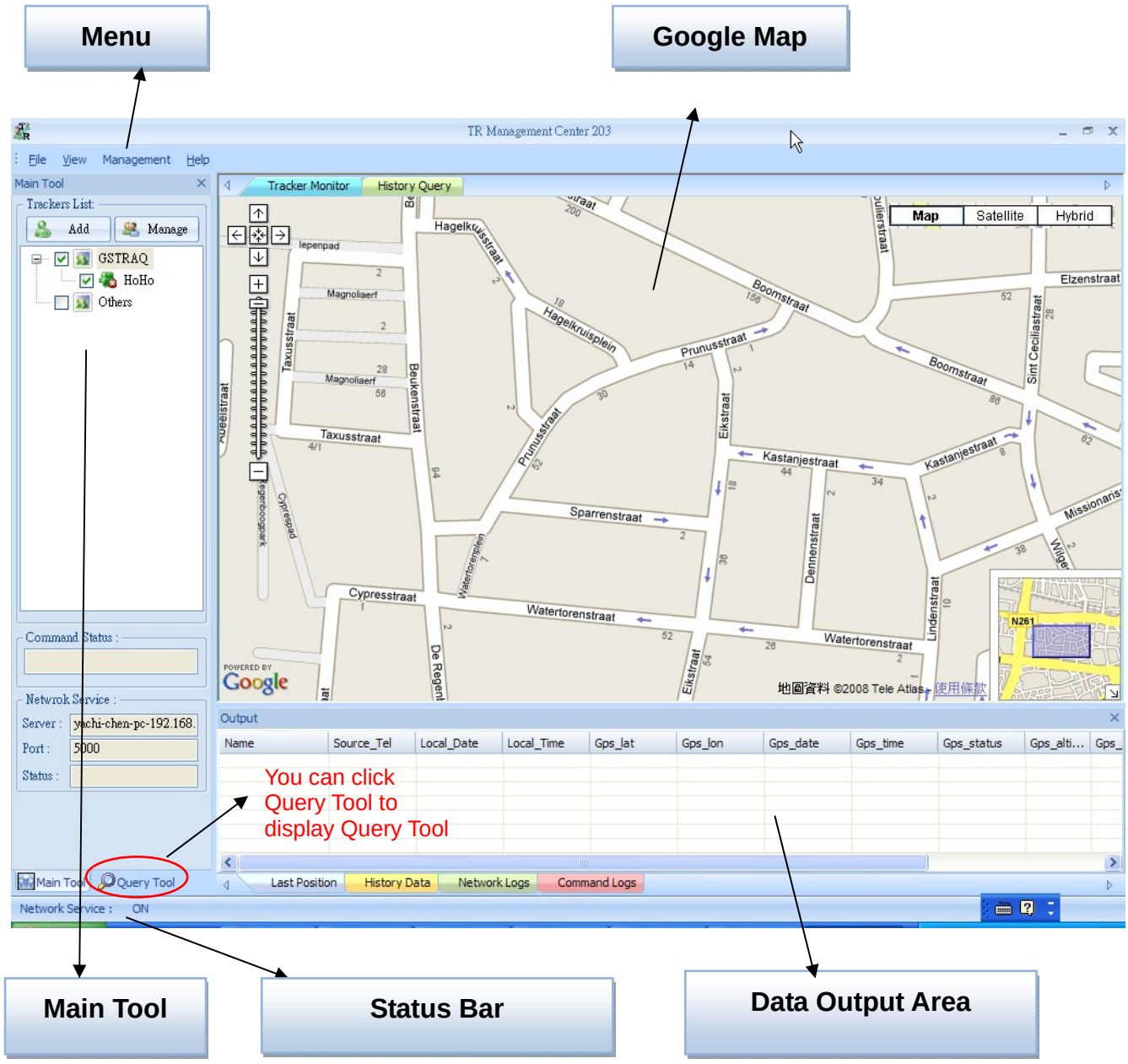


Step 6: Please click "**Finish**" button.

A TR Management Center 203

icon will be placed on the PC desktop. At this point, you may launch TR Management Center 203 by clicking the icon. Or select Start → Programs → Globalsat → TR Management Center 203 → Launch TR Management Center 203

3.6 TR Management Center 203 Screen Introduction

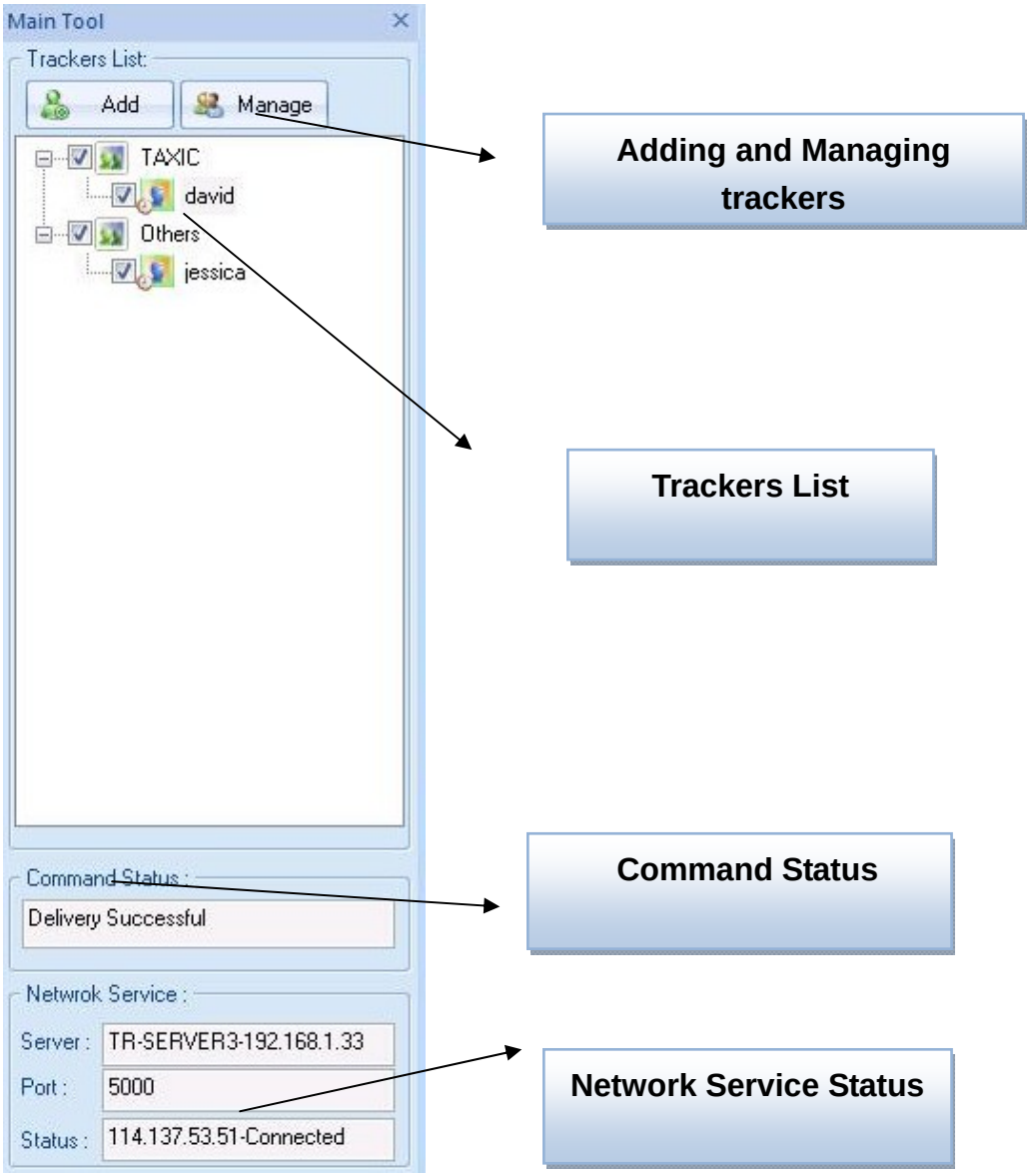


TR Management Center Screen Is comprised of six sections as explained below.

- **Menu:** The basic menu options
- **Main Tools:** Displays trackers' connection status, Network service status
- **Query Tool:** Used for searching history data and searching coordinates
- **Data Output Area:** Displays tracker login status, received network data and query results
- **Google Map:** Google Map layout.
- **Status Bar:** Network Service status

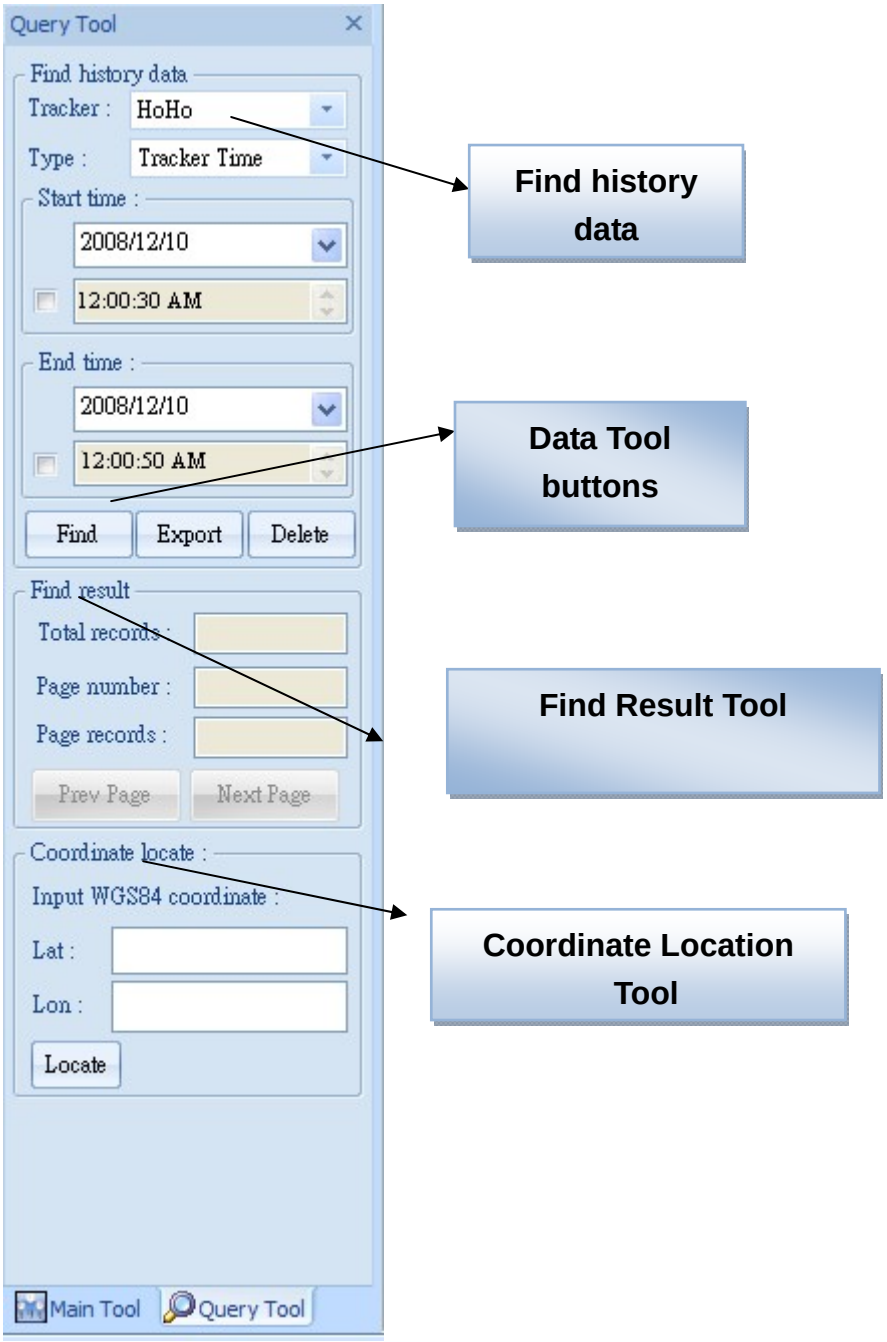
3.6.1 Tracker and Main Tool Bar

Main tool is for managing trackers and showing the server status



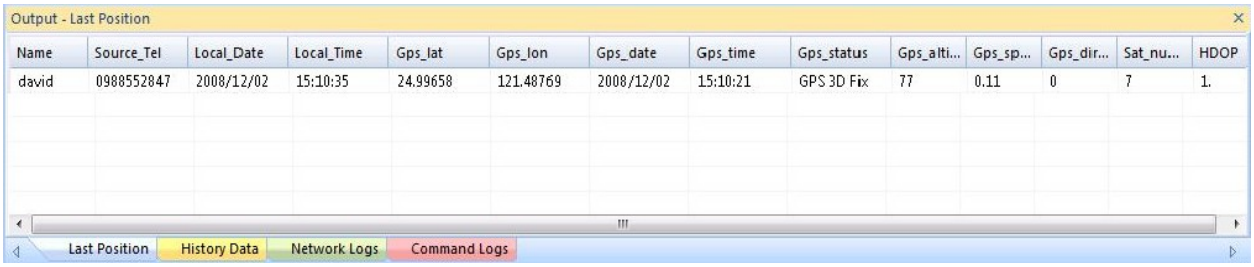
3.6.2 Query Tool

Query tool used for searching history data and coordinate information.



3.6.3 Data Output Area

Data output area displays; last position, history data, network logs, and command logs.



- **Last Position**: Displays each of the last position data sent from all the TR-203 trackers on tracker list.
- **History Data**: Displays all the position data sent from all the TR-203 trackers on tracker list. Note, if you turned “Off” the TR Management Center 203, all the history data will be deleted. You could look for the data by Query Tool.
- **Network Logs**: Displays the data logs that TR-203 sent to TR Management Center 203
- **Command Logs**: Show the command logs that TR Management Center 203 sent to TR-203

3.7 Skype Setup

In stead of sending SMS to trackers by mobile phones, TR Management Center 203 sends SMS to trackers by Skype. You can not only send SMS to trackers for asking report by Skype, but send SMS to set the parameters of TR-203’s function.

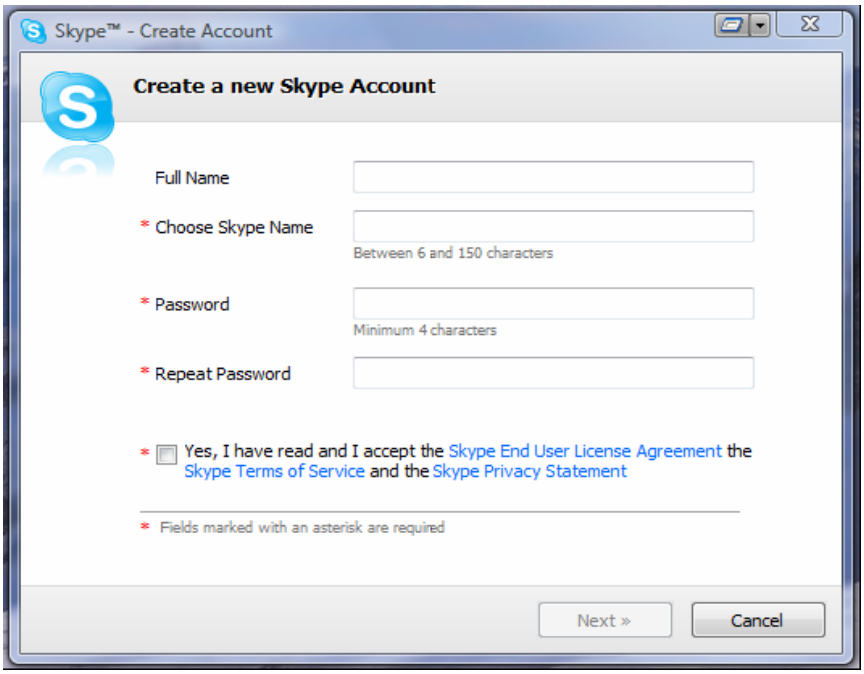
In order to send SMS by Skype, please complete the following steps to activate the SMS function of Skype.

Step 1: Install Skype Software

You can download Skype from www.skype.com or the website of the local Skype distributor. Please refer to the instruction of Skype to install the software.

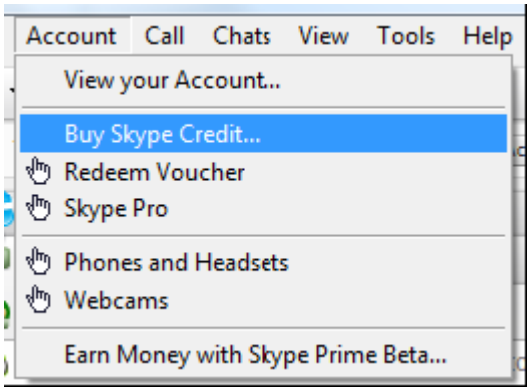
Note: The pictures and instructions provided in this manual are based on Skype version 3.6.1.xxx. If they do not match the version of Skype you are currently using, please download and upgrade to the latest version from the Skype website.

Step 2: Please create a user account.

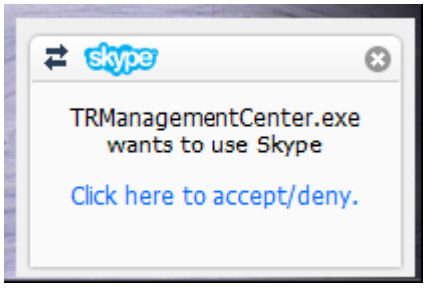


Once you have created an account, you can login and use Skype's basic functions.

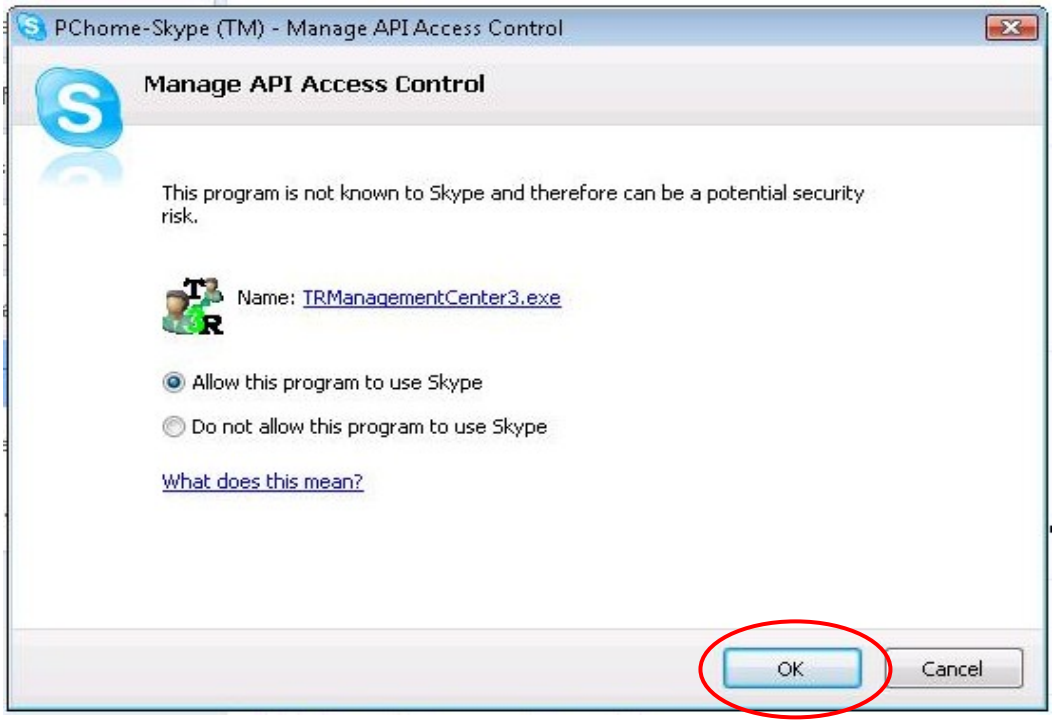
Step 3: Buy Skype credit



Step 4: When you launch the TR Management Center 203 program, the following security verification pop-up window will appear in the lower right corner of the screen asking you to allow the TR Management Center to use Skype functions.



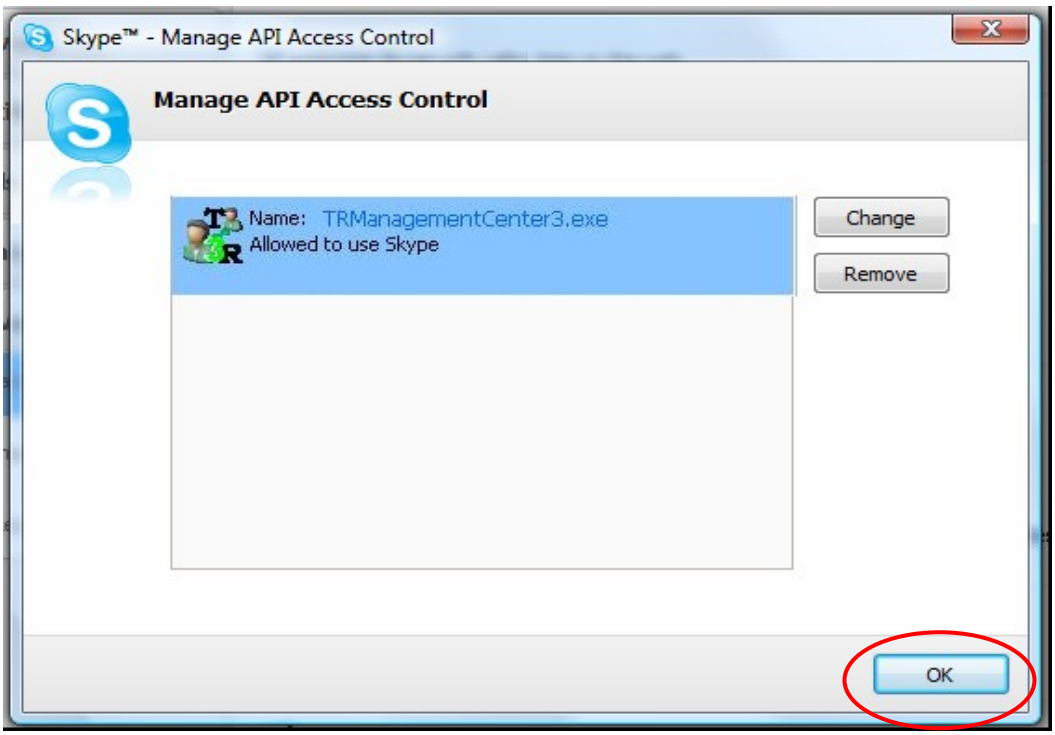
Click the blue text to request Skype access.



Select **"Allow this program to use Skype"**

If you accidentally select "Do not allow this program to use Skype", please change this from within the Skype program at "Options -> "Advanced"

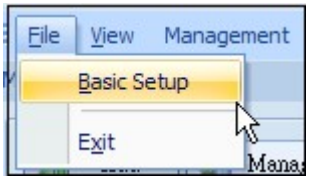
Note: The exact procedure may vary from the version of Skype. Please refer to the Skype manual for more information.


Skype™ - Manage API Access Control
Manage API Access Control
Name: TRManagementCenter3.exe
Allowed to use Skype
Change
Remove
OK

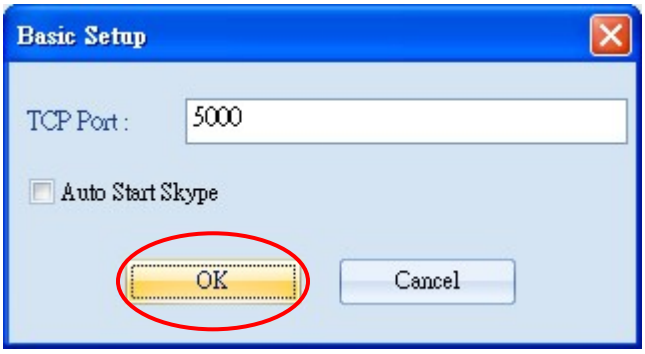
4 TR Management Center 203 Operation

4.1 TR Management Center Basic Setup

Before operating the TR Management Center 203, set the operation parameters in the **Basic Setup**.



Basic Setup



Basic Setup Interface

First time users, configure the TR Management Center 203 communication port for network connection, check the "**Auto Start Skype**" and click **OK** button.

4.2 Tracker Management

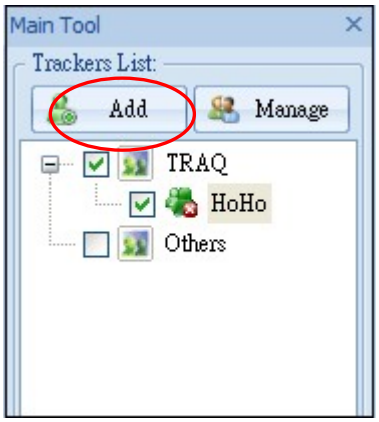
A maximum of 5 trackers can be managed by the TR Management Center 203. Set the TR-203 parameters when adding each tracker.

Tracker's information and parameters must be properly configured before using other functions of TR Management Center 203. In this manner, your tracker(s) can correctly send return report to the TR Management Center 203. These requirements are necessary for the program to correctly display the tracker's current location on the your tracking program.

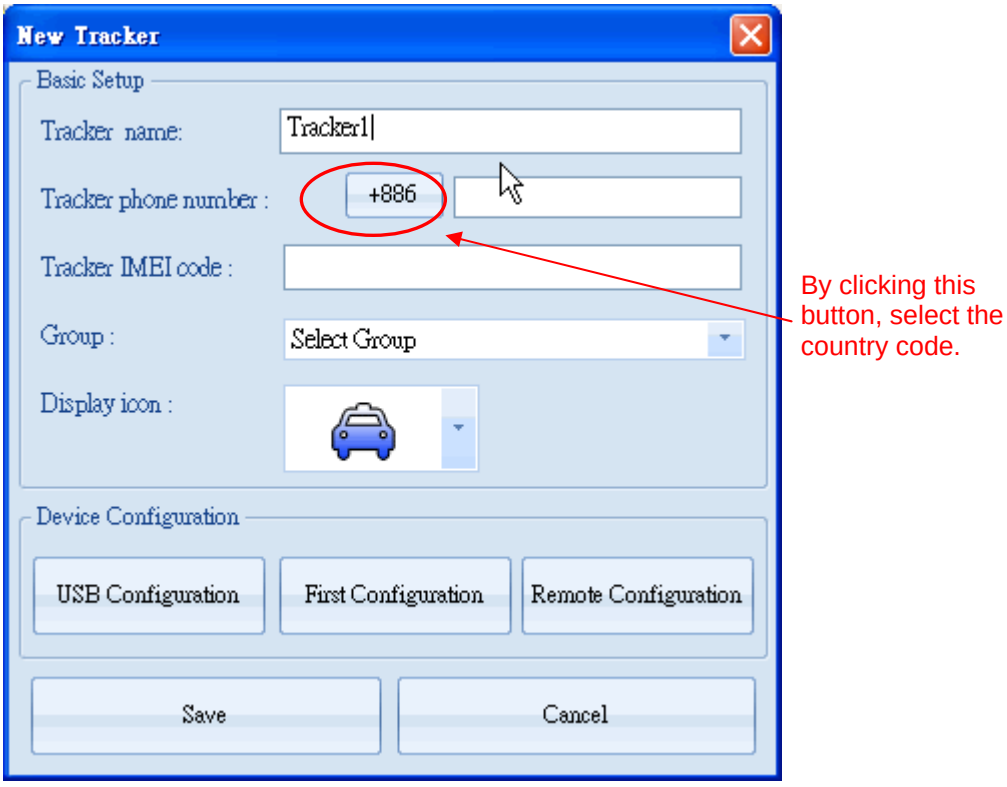
4.2.1 TR-203 Set-Up

You can remotely or connect TR-203 to PC to set the parameters of TR-203 by TR Management Center 203.

Step 1: Add your TR-203 in the Tracker list by clicking the **Add** button.



Next, you will view the window below.



Step 2: Enter the TR-203 information in the following fields.

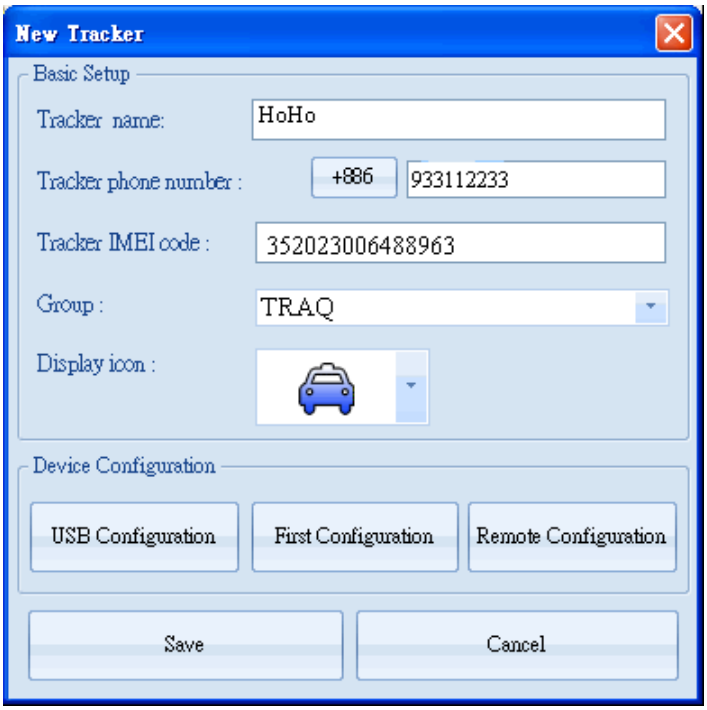
Tracker name	Give a name to TR-203 by entering the name here
Tracker phone number	The phone number of the SIM card in this TR-203. Select the country/area code by clicking the button beside the field.
Tracker IMEI	IMEI code of TR-203. You can find IMEI code on the back

code	cover of TR-203
Group	Select the group which TR-203 will be classified to
Display icon	Select an icon for TR-203 to be shown on the map

Step 3: Please click **Save** button.

Step 4: Please right click the user you have added under tracker list and select **Edit Tracker**.

You will view the window below.



Step 5: If you want to set TR-203 by connecting to PC via USB cable, please click **USB**

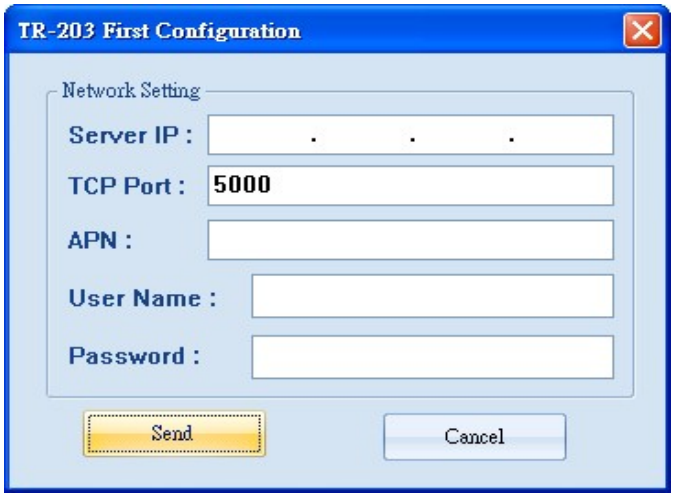
Configuration button. And go to step 10 for the following setting.

Note: If you set TR-203 by connecting to PC, please firstly connect TR-203 to PC, and then press the power key. You will see the emergency button emit light.

If you want to remotely set TR-203, please click "**First Configuration**" button.

Note: Please make sure there is credit in your Skype account.

Next, you will view the window below.



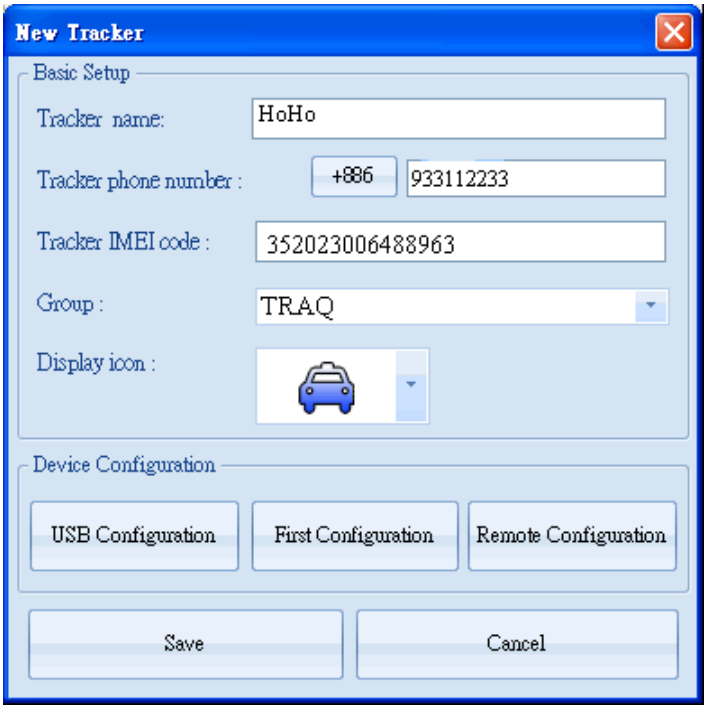
Step 6: Enter the information in the fields on the window.

Server IP	The fixed IP for the computer running the TR Management Center 203
TCP Port	Set the communication port for connecting network. Default is 5000.
APN	The APN depends on the SIM card for the telecommunication service provider used by your TR-203 (The list below is for service providers in Taiwan. Please refer to the Appendix for your APN.)
User Name	Contact your GSM/GPRS network service provider
Password	

Step 7: Please click "**Send**" button.

Step 8: Please right click the user you have added under tracker list and select **Edit Tracker**.

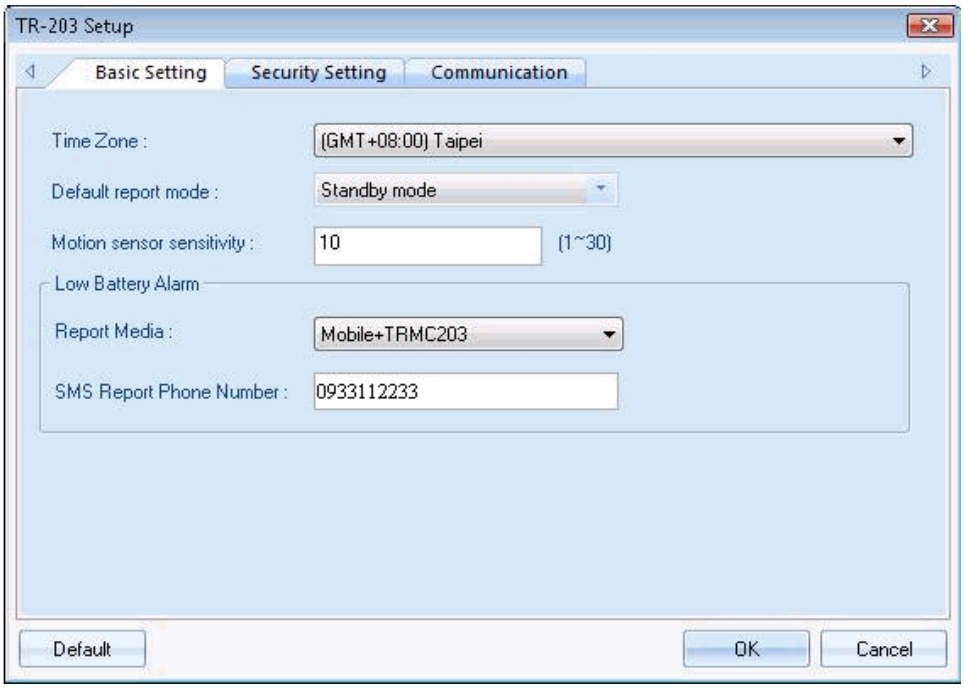
You will view the window below.



Step 9: Please click **Remote Configuration** button.

Step 10:

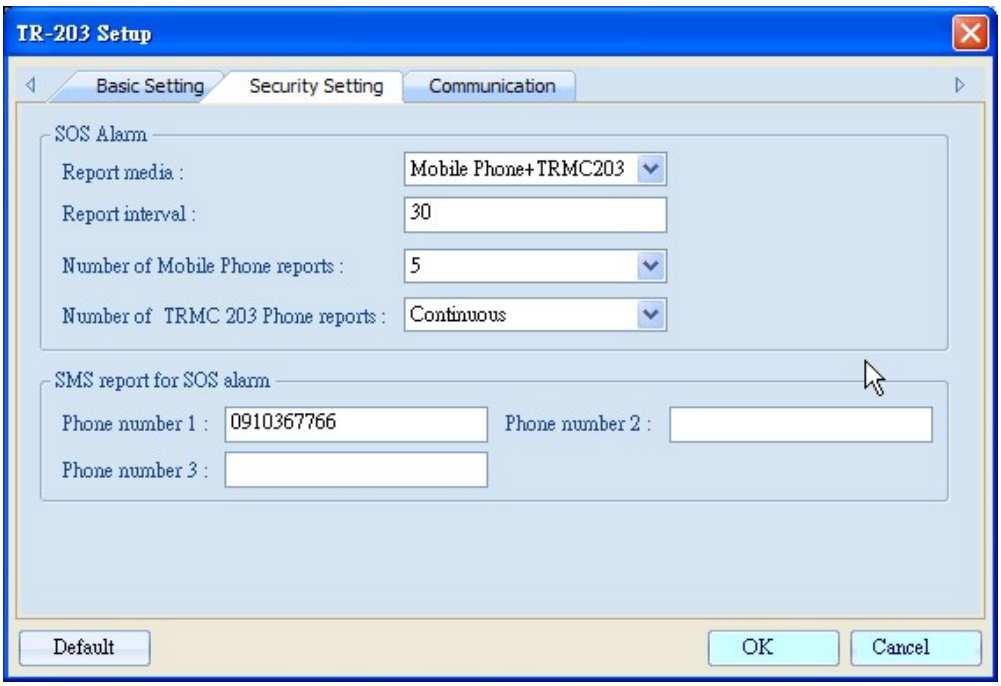
Next, you will view the window below. There are 3 window tabs on. Click the tab to set parameters. Approximately, 2 minutes is required for TR Management Center 203 to receive TR-203 parameters.



Step 10: Set the parameters for **Basic Setting**.

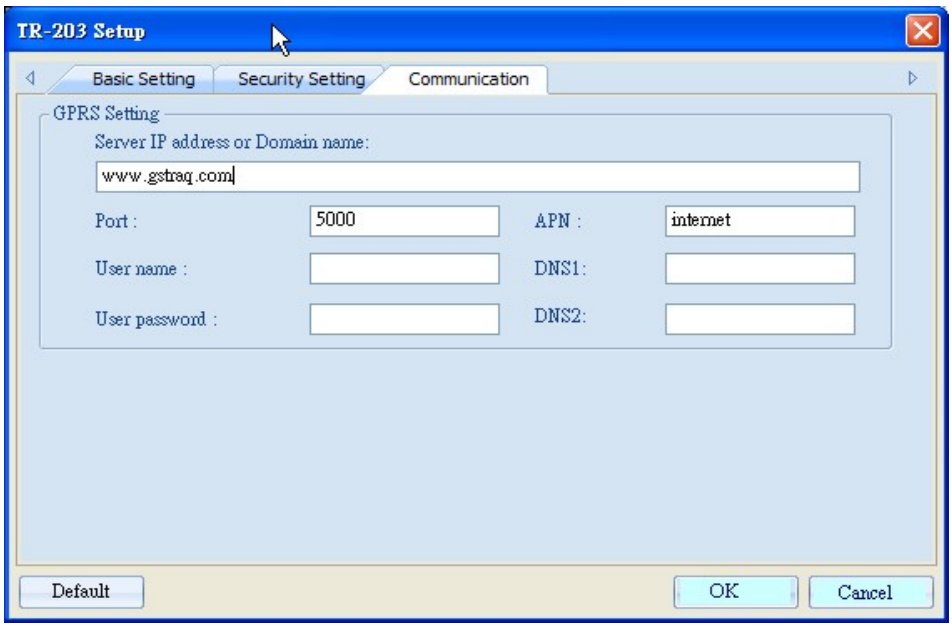
Time Zone	Select your local time zone
Default report mode	TR-203 will automatically go into the "**Default report mode**" when it is powered on. There are 3 report modes: Periodic mode Motion mode Standby mode
Motion Sensor Sensitivity	The number of vibration which activates TR-203 to send alarm report under parking mode, sleeping mode and moving report under motion mode. The value range is 1~30. The larger the number is, the less sensitive the device is.
Low Battery Alarm	
Report Media	Choose device to send out low battery alarm report to mobile phone or to TR Management Center 203 or to both of the two.
SMS Report Phone Number	The phone number for receiving low battery alarm report

Step 11: Set the parameters for **Security Setting**.



SOS Alarm	
Report Media	Choose TR-203 to send SOS alarm report to mobile phone or TRMC203 (TR Management Center 203) or to mobile phone + TRMC203
Report Interval	Set the interval between sending 2 SOS alarm report
Number of mobile phone reports	Select how many SOS alarm report TR-203 will send to mobile phone
Number of TRMC203 reports	Select TR-203 to send SOS alarm report to TR Management Center 203 **once** or **continuous**ly
SMS report for SOS alarm	
Phone number 1~3	Set the 3 phone numbers for receiving SOS alarm report while the Report Media is Mobile Phone or Mobile Phone + TRMC203 **Note:** Phone number 1 will also be the phone number for receiving the phone call of voice monitor

Step 12: Set the parameters for **Communication**.



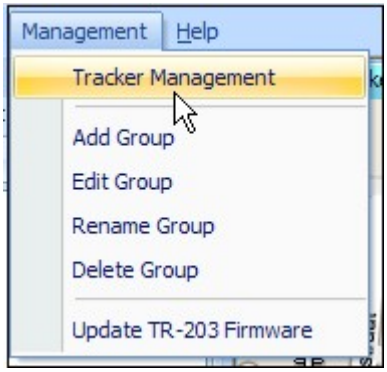
Server IP address or Domain name	The fixed IP or domain name for the computer running the TR Management Center 203
Port	Set the communication port for connecting network. Default is 5000.
User Name	The 2 value depend on the SIM card for the telecommunication service provider used by your TR-203
User Password	
APN	The APN depends on the SIM card for the telecommunication service provider used by your TR-203 (Please refer to the Appendix for your APN.)
DNS1	Please contact your telecommunication service provider about DNS.
DNS2	

Step 13: Please click **OK**.

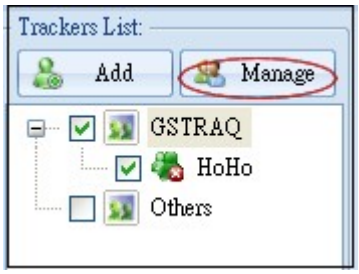
4.2.2 Tracker Management

Tracker Management is utilized to manage registered or previously configured trackers. In Tracker Management, you can edit or delete trackers.

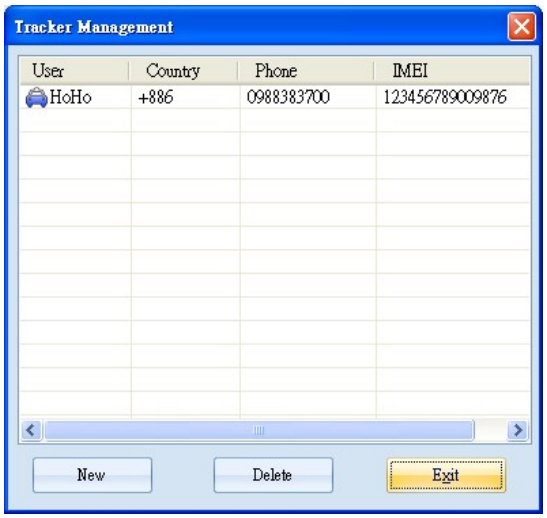
You can find Tracker Management from the Menu "Management" → "Tracker Management". Or you may click the **Manage** button.



The Tracker Management option under Management in Menu



Manage button under Trackers List



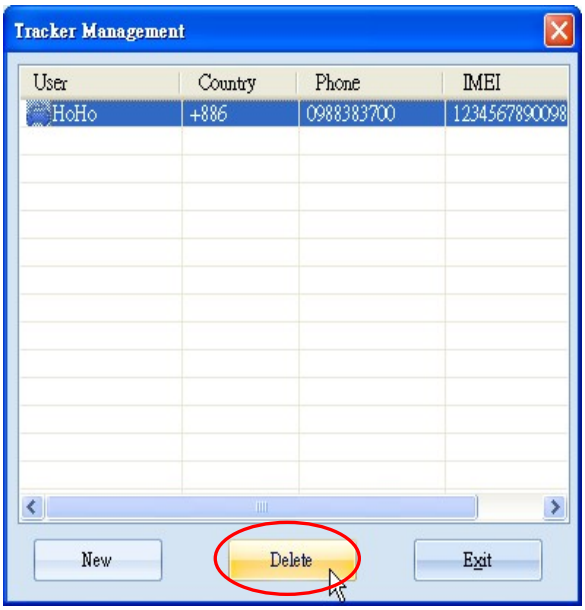
Tracker Management interface

4.2.3 TR-203 Tracker Deletion

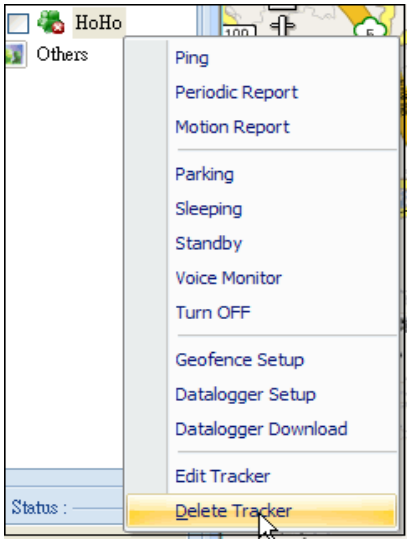
Two ways for deleting TR-203 trackers in the TR Management Center 203

1. Select "Management" → "Tracker Management" from menu bar.

Choose the TR-203 you want to delete, and then click on the "**Delete**" button.

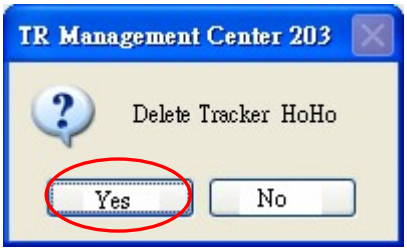


2. The TR-203 tracker deleting method is selecting a tracker from the Trackers List and right clicking the mouse button to bring the tracker menu. Now click on **Delete Tracker** to delete the selected tracker.



Method 2 for deleting a tracker

A confirmation window will appear when deleting a tracker



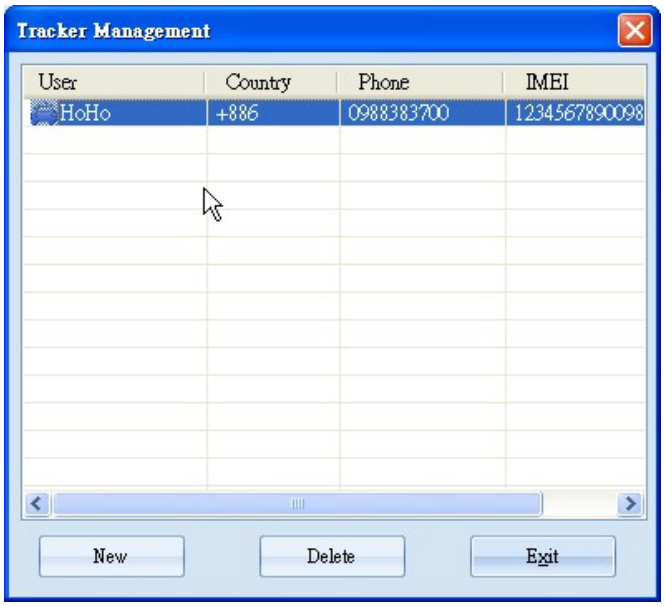
Note: Deleting a tracker does not actually delete its history data from the database. To delete all history data, please use the editing features in Microsoft Access.

4.2.4 TR-203 Tracker Editing

If you want to change the information of TR-203 tracker, you can edit the information by "Edit tracker"

There are two ways of bring up "**Edit tracke**r"

1. Click "Management" → "Tracker Management" from menu.

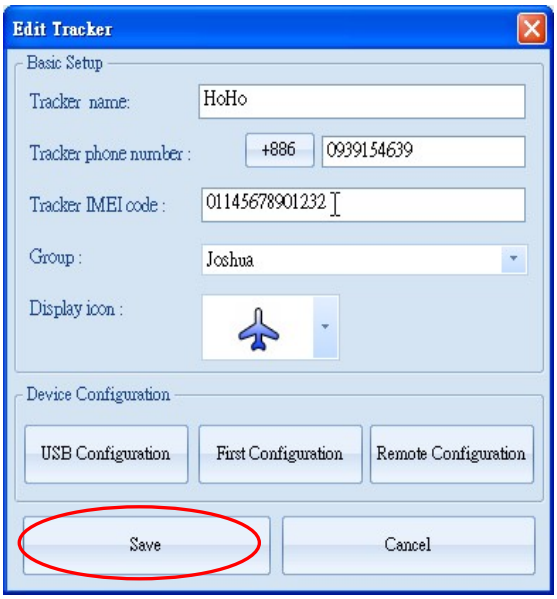


Double click a tracker, and then the window of "Edit tracker" will be brought up.

The other way of bringing "**Edit tracker**" is selecting a tracker from the Trackers List and right clicking the mouse button to bring the tracker menu. Click on **Edit Tracker**

Edit Tracker window

After editing the information, click **Save** to save the setting.

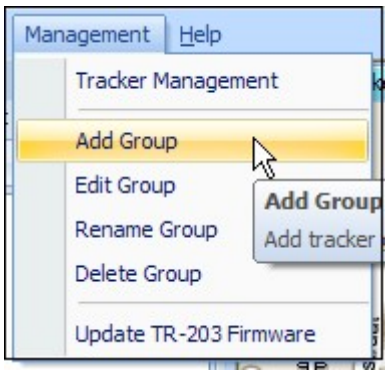


4.3 Tracker Group Management

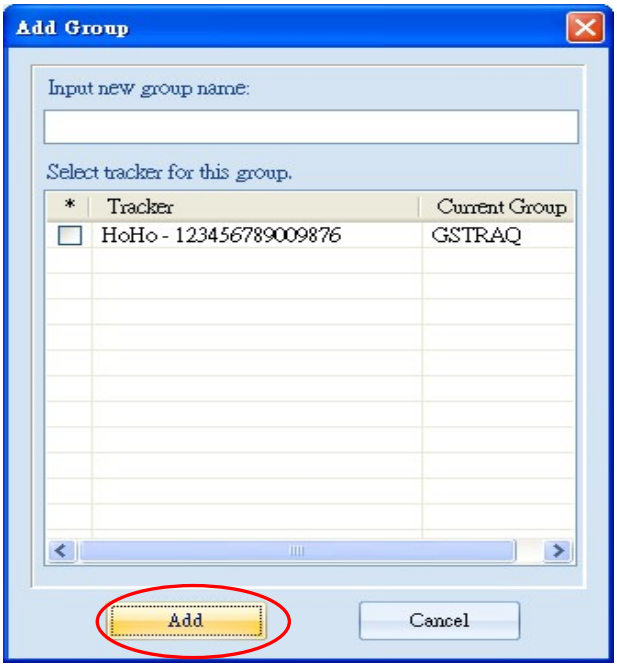
You may classify trackers to different groups for management convenience.

4.3.1 Add a Group

You may add a group from the Menu "Management" → "Add Group".



The window of Add Group will be brought up.

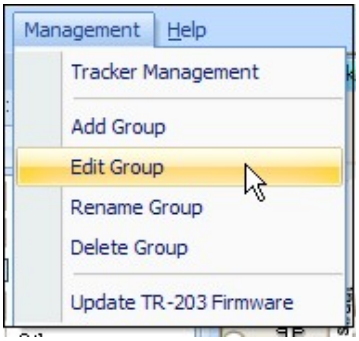


Enter the name of the new group in the field of “Input new group name” and click the “Add” button. The new group will be listed on the Trackers List.

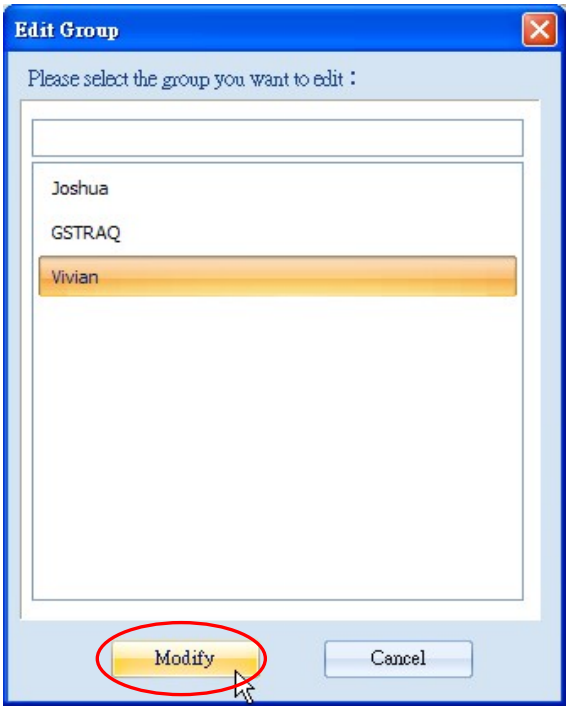
4.3.2 Edit Group

You may change the trackers to a different group from the Menu "Management" → "Edit

Group"

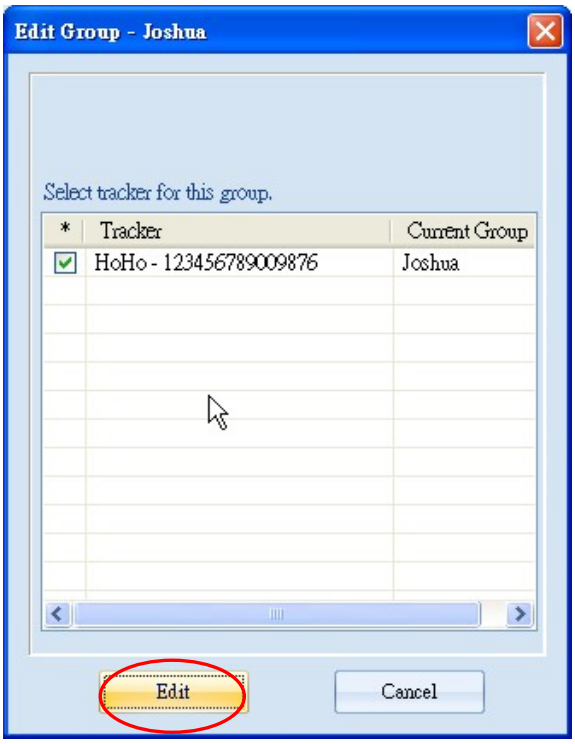


The window of Edit Group will be brought up.



Select the group that you want to add trackers. And then please click **Modify** button.

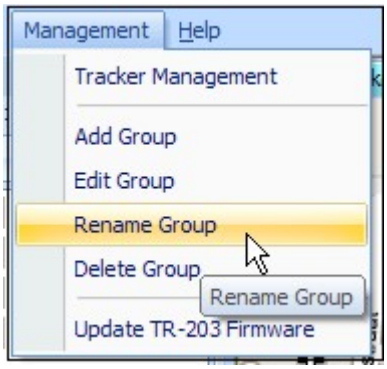
Lastly, you may add trackers to this group as shown in the window below.



Select the trackers needed for adding them in this group and click the **Edit** button.

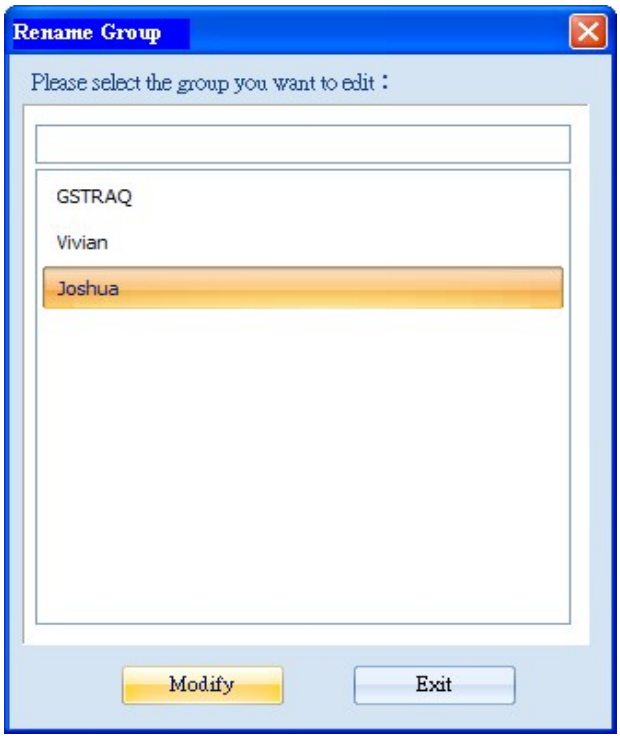
4.3.3 Rename Group

You may change the tracker group name from the menu “Management” → “Rename Group”



The window of Rename Group will be brought up. Select the desired group for name

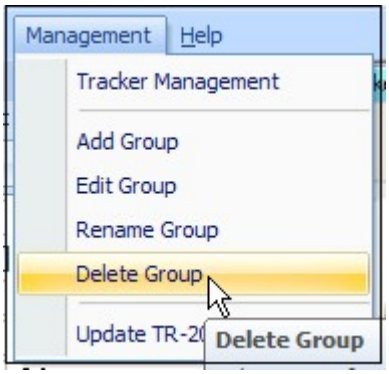
change name and then click the **Modify** button.



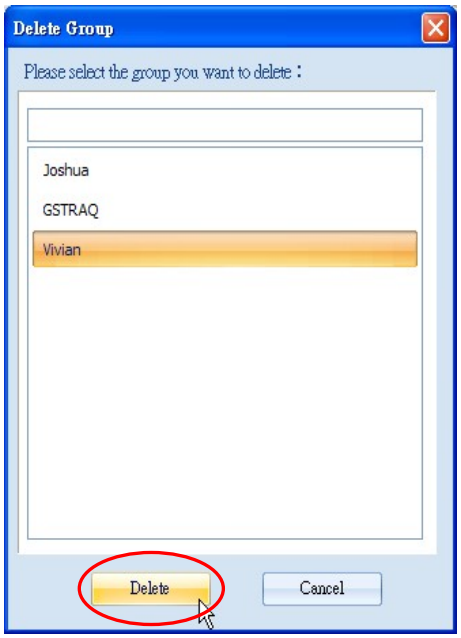
Enter the new name in the field of New Group Name.
Please click OK.

4.3.4 Delete Group

You could delete group from “Management” → “Delete Group”

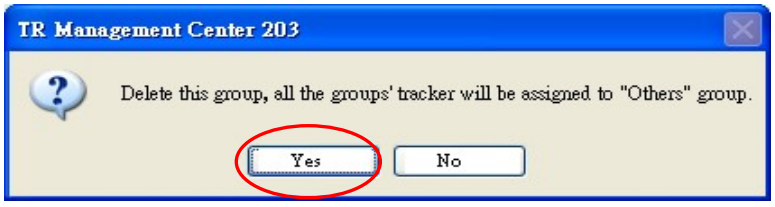


The window of Rename Group will be displayed.



Select the desired group for deletion and then click **Delete** button.

You will see the window below.



Click **Yes** button to delete the group. The trackers under this group will be classified to “Other” group.

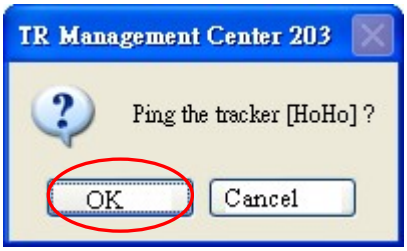
4.4 TR Management Center Instructions

4.4.1 Ping TR-203

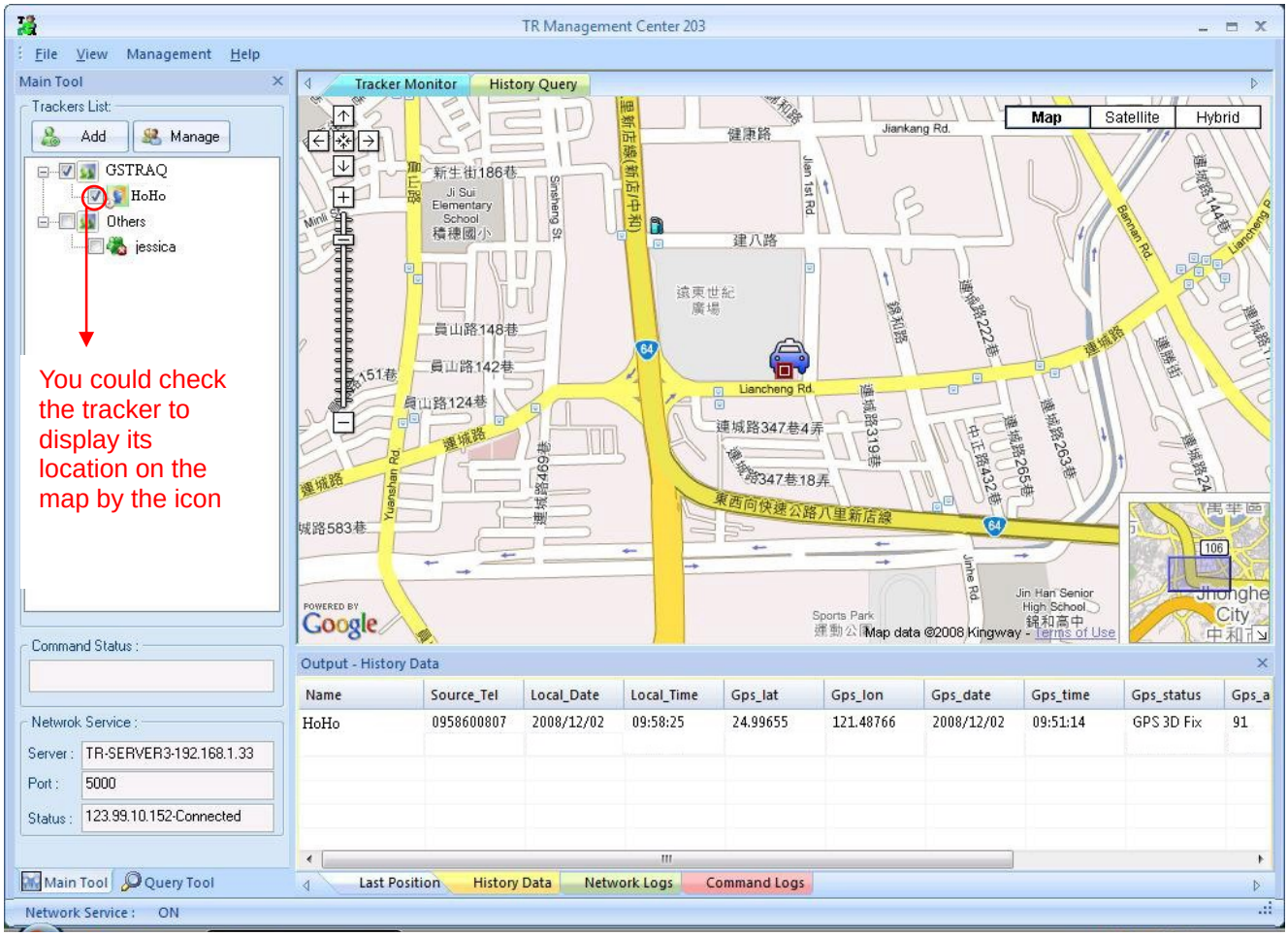
You could ping TR-203 by TR Management Center 203.

Step 1: Please right click on the TR-203.

Step 2: Please select **Ping**. You will see the window below.



Step 3: Please click **OK**. TR-203 will send its location to TR Management Center 203 as shown in the next screenshot.

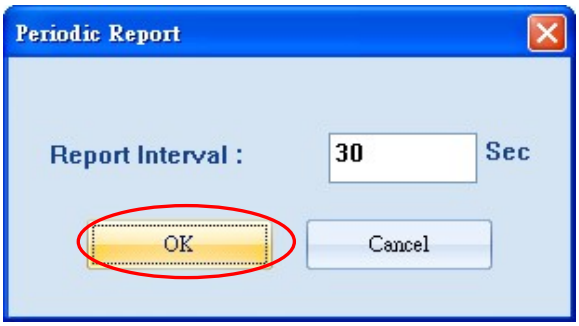

TR Management Center 203
File View Management Help
Main Tool
Trackers List:
Add
Manage
GSTRAQ
HoHo
Others
jessica
You could check the tracker to display its location on the map by the icon
Command Status :
Network Service :
Server : TR-SERVER3-192.168.1.33
Port : 5000
Status : 123.99.10.152-Connected
Main Tool
Query Tool
Tracker Monitor
History Query
Map
Satellite
Hybrid
Output - History Data
Name Source_Tel Local_Date Local_Time Gps_lat Gps_lon Gps_date Gps_time Gps_status Gps_a
HoHo 0958600807 2008/12/02 09:58:25 24.99655 121.48766 2008/12/02 09:51:14 GPS 3D Fix 91
Last Position
History Data
Network Logs
Command Logs
Network Service : ON

4.4.2 TR-203 Periodic Report

You could make TR-203 periodically send its location to TR Management Center 203.

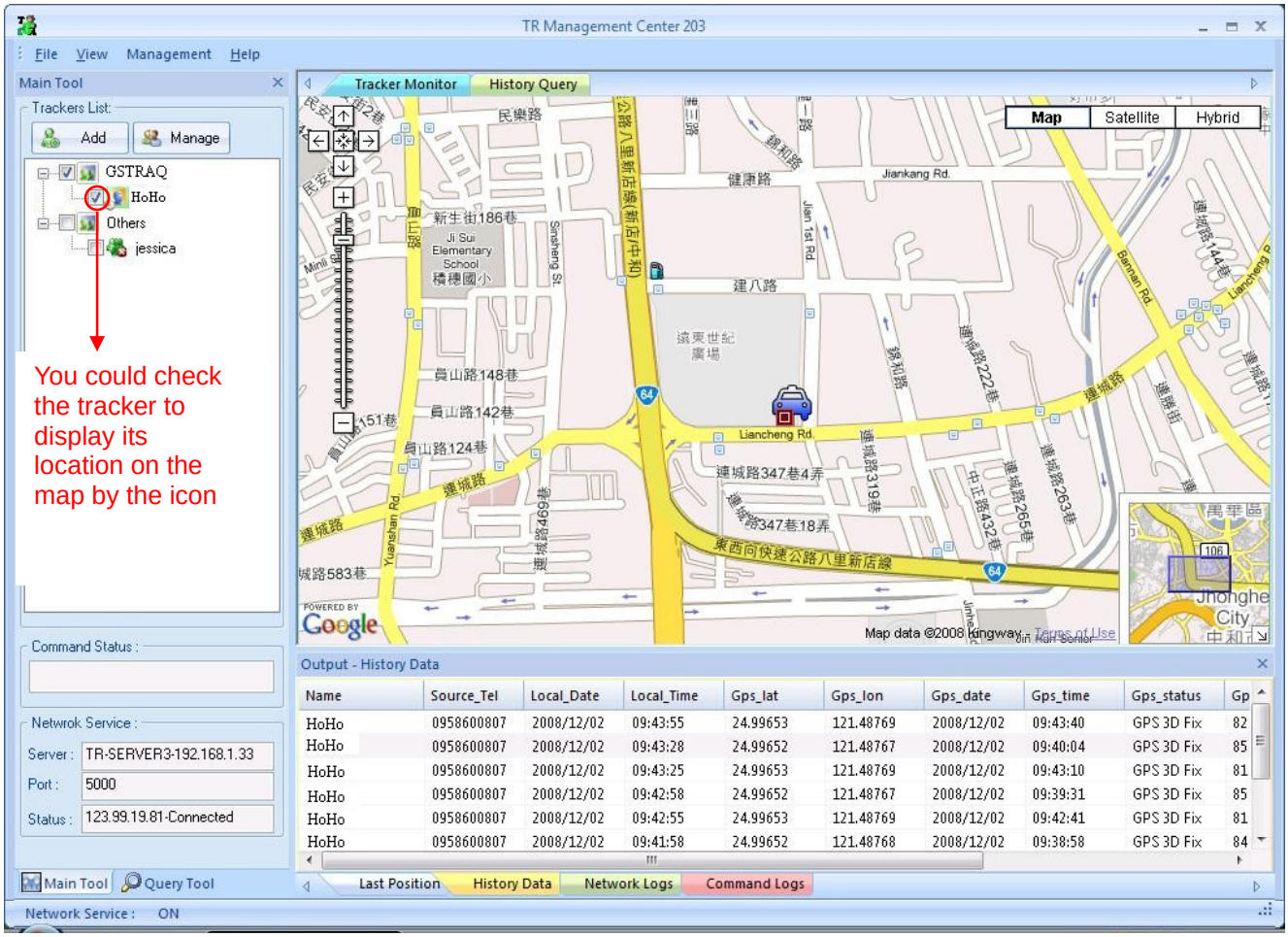
Step 1: Please right click on the TR-203.

Step 2: Please select **Periodic Report**. You will see the window below.



Step 3: Please set the **Report Interval**. And then click **OK**.

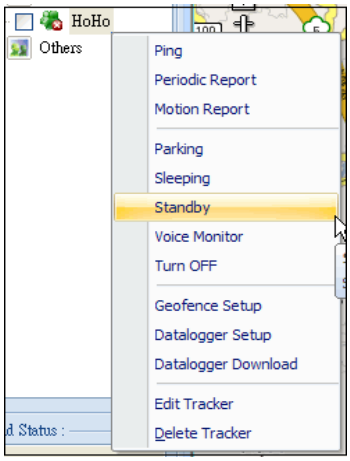
TR-203 will send its location to TR Management Center like the screen below.



You may instruct the TR-203 to exit Periodic Report mode by entering standby mode, motion mode or sleeping mode.

Enter standby mode

Step 1: Right click on the TR-203.



Step 2: Please select **Standby**. You will see the window below.

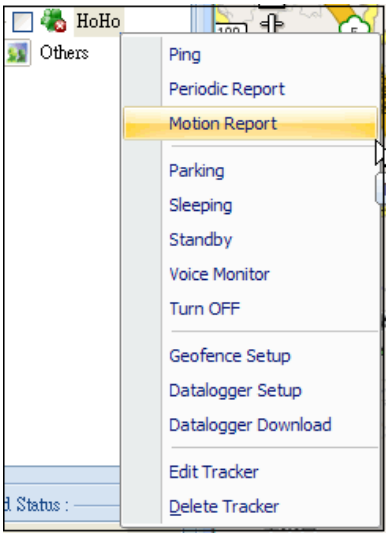
Step 3: Please click **OK** button. TR-203 will exit from Periodic Report Mode.

4.4.3 TR-203 Motion Report

Motion mode is for user to get the continual location report when the vehicle installed with TR-203 is moving. In addition to the continual location report, TR-203 will also send regular location report when the vehicle installed with TR-203 is not moving.

You may instruct the TR-203 to enter motion mode by performing the following steps.

Step 1: Right click on the TR-203.



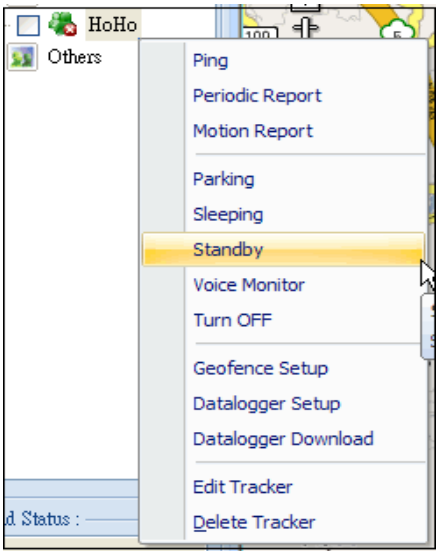
Step 2: Select **Motion Report**. You will see the window below.

Step 3: Set the **Report Interval in Static State** and the **Report Interval in Moving State**. And then please click **OK**.

You may instruct the TR-203 to exit Motion Report by entering standby mode, periodic mode or sleeping mode.

Enter standby mode

Step 1: Right click on the TR-203.



Step 2: Select **Standby** and the window below will be displayed.

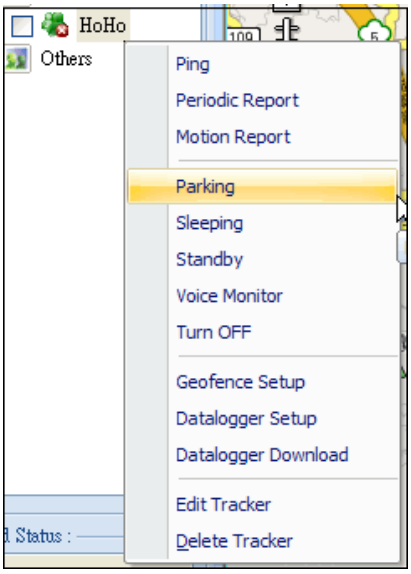
Step 3: Click **OK** button for the TR-203 to exit Motion Report Mode.

4.4.4 TR-203 Parking Mode

Park mode is designed for users to instruct the TR-203 to send alarm location reports when the vehicle installed with TR-203 has moved. In addition to the alarm location report, TR-203 will also send regular location report when the vehicle installed with TR-203 is parked.

You may instruct the TR-203 to enter parking mode by performing the steps below.

Step 1: Please right click on the TR-203.

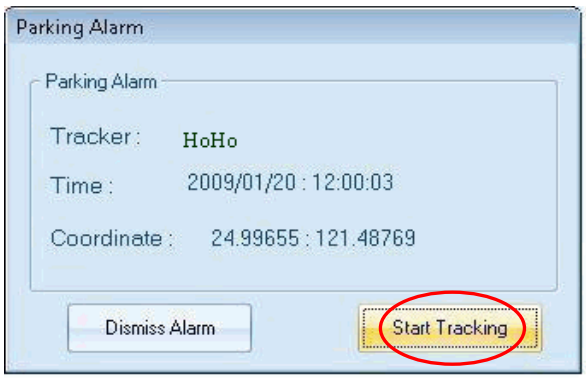


Step 2: Please select **Parking**. You will see the window below.

Alert State is when TR-203 is static. **Alarm State** is when TR-203 is moving.

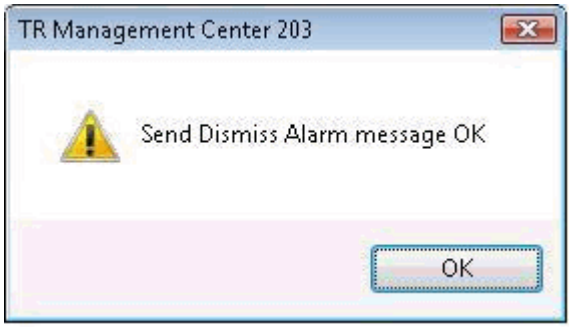
Step 3: Set the **Report Interval in Alert State** and the **Report Interval in Alarm State** and then click **OK** button.
When TR-203 senses movement under parking mode, it will transmit a parking alarm

message to the TR Management Center 203.
An example of this:

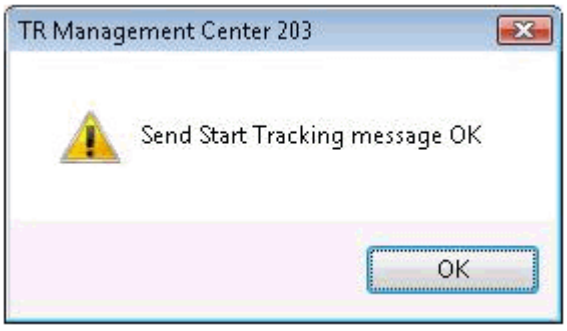


You may dismiss the alarm message by clicking **Dismiss Alarm** button or start periodically tracking the TR-203 by clicking **Start Tracking** button.

After clicking **Dismiss Alarm** button, the following window will be displayed:



After clicking **Start Tracking** button, the following window will be displayed:

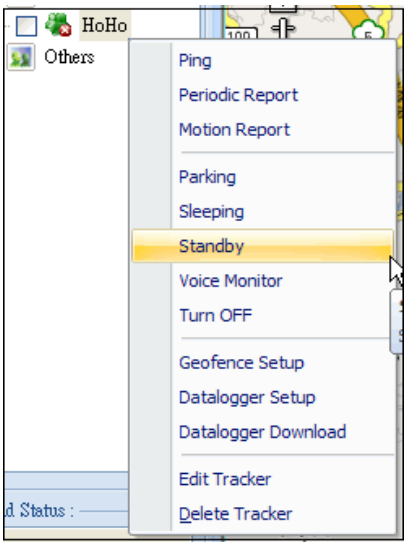


Exit Parking Mode

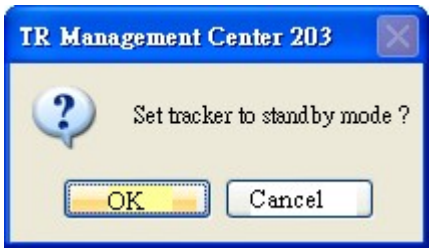
You may instruct the TR-203 to exit Parking Mode by entering standby mode, periodic mode or motion mode.

Enter standby mode

Step 1: Right click on the TR-203.



Step 2: Select **Standby**. You will see the window below.



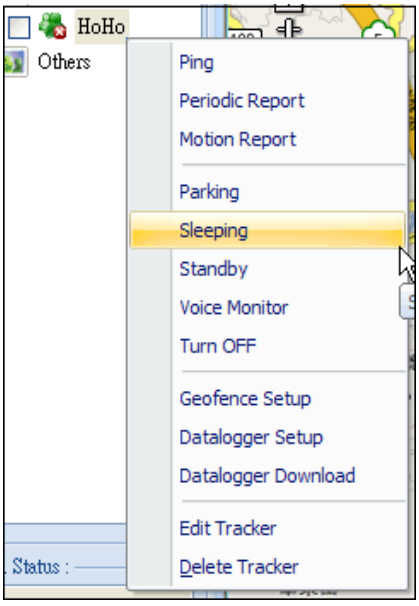
Step 3: Click **OK** button. TR-203 will exit from Parking Mode.

4.4.5 TR-203 Sleeping Mode

In order to save the power of TR-203, you may instruct the TR-203 to enter sleeping mode. In sleeping mode, the TR-203 GSM and GPS modules will shut down and motion sensor will turned on. In addition, it will transmit regularly to report to the TR Management Center 203 in accordance to the Report Interval in Alert State. Now, when TR-203 senses vibration, it will send alarm report to TR Management Center 203 in accordance to the Report Interval in Alarm State.

You may instruct the TR-203 to enter sleeping mode by performing the steps listed below.

Step 1: Right click on the TR-203.



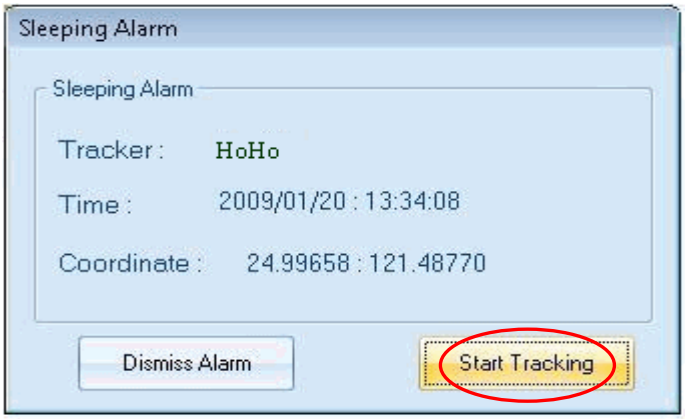
Step 2: Select **Sleeping**. You will see the window below.

Alert State is when TR-203 is static. **Alarm State** is when TR-203 is moving.

Step 3: Set the **Report Interval in Alert state** and the **Report Interval in Alarm state**. And then please click **OK** button.

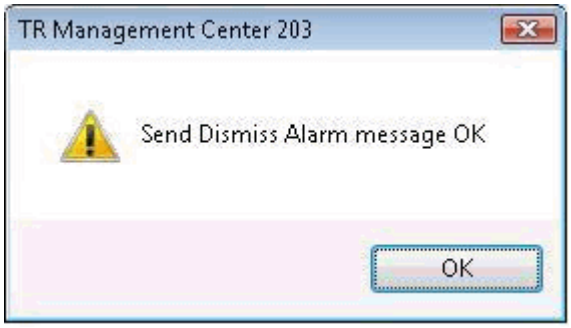
When TR-203 senses movement under sleeping mode, it will send sleeping alarm message to the TR Management Center 203.

An example of this:

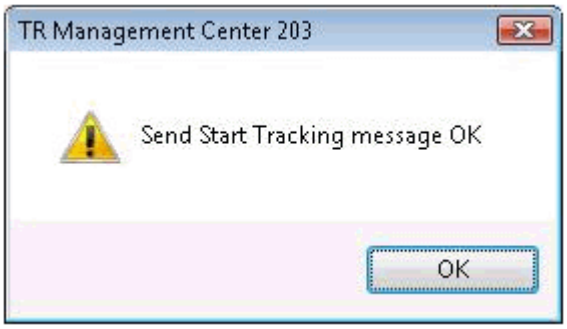


You may terminate the alarm message by clicking **Dismiss Alarm** button or start periodically tracking TR-203 by clicking **Start Tracking** button.

After clicking **Dismiss Alarm** button, the following window will be displayed:



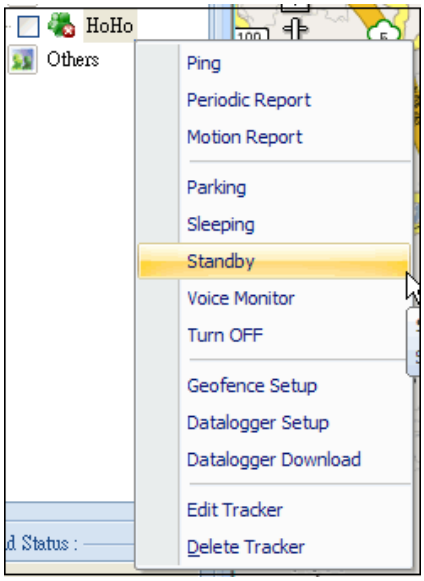
After clicking **Start Tracking** button, the following window will be displayed:



Exit Sleeping Mode

You may instruct the TR-203 to exit Sleeping Mode by entering standby mode, periodic mode, motion mode or parking mode.

Step 1: Right click on the TR-203.



Step 2: Select **Standby,** the following window will be displayed:

Step 3: Click **OK** button. TR-203 will exit from Sleeping Mode.

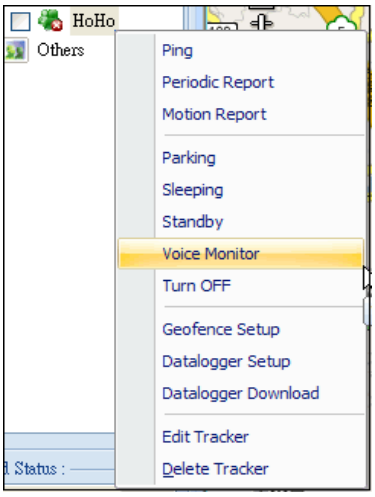
4.4.6 TR-203 Voice Monitor

You may instruct the TR-203 to call the set SOS Alarm Phone Number 1. Then, could listen to the sound emitted from the TR-203.

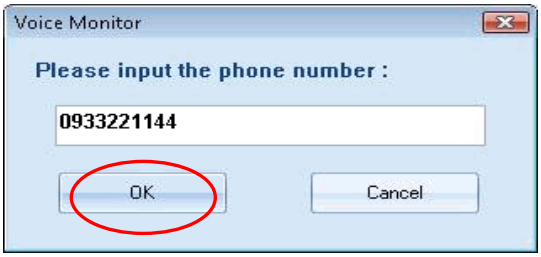
Note: In order to avoid wasting unnecessary call costs, it is highly suggested to turn off the voice mail box of the SOS phone number 1.

You could make TR-203 start voice monitor by the steps below.

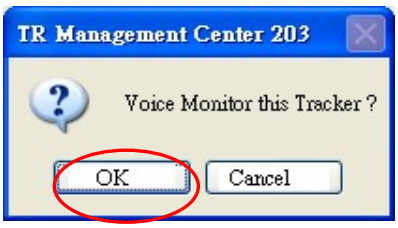
Step 1: Right click on the TR-203.



Step 2: Select **Voice Monitor**, the following window will be displayed:



Step 3: Enter the phone number of TR-203, the following window will be displayed:



Step 4: Click OK button.

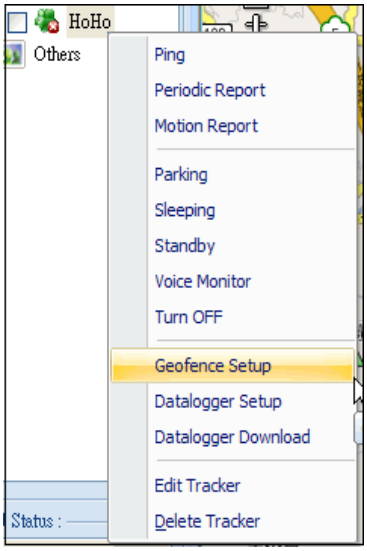
You could stop voice monitor by hanging up the phone call.

4.4.7 TR-203 Geo-fence

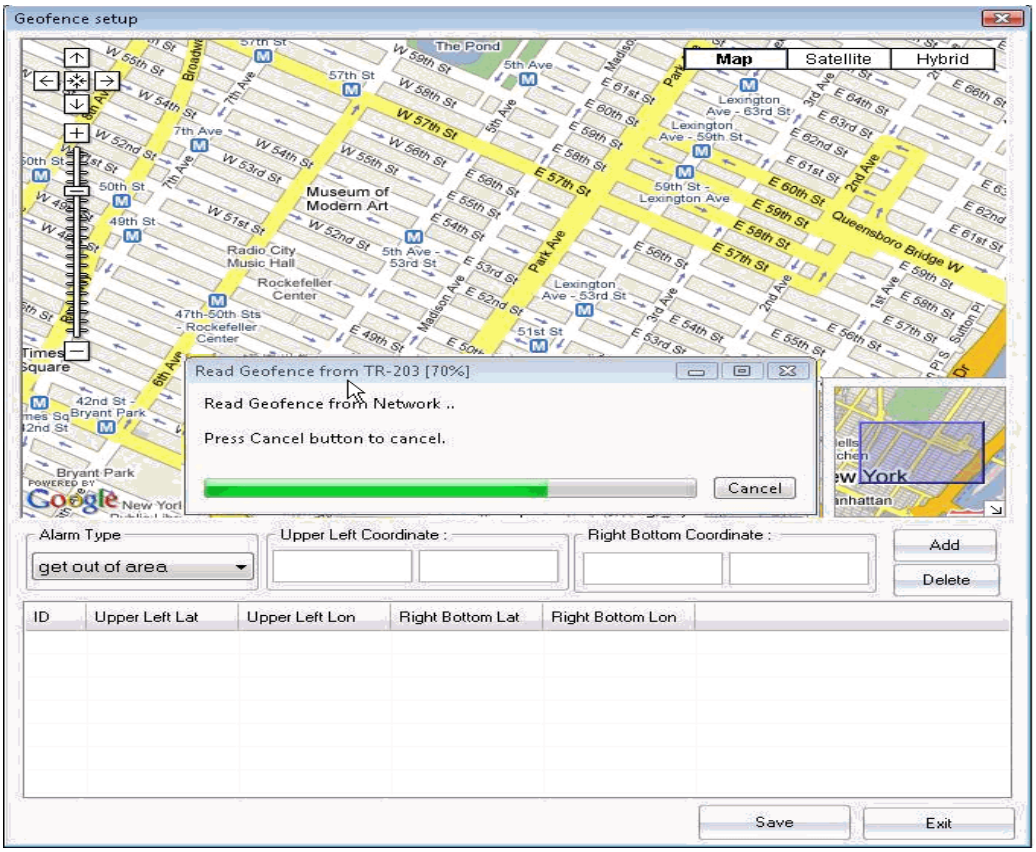
You may set up to 10 areas as permissible areas or restricted areas for the TR-203 in Geo-fence application.

TR-203 will start to receive a GPS fix as soon as it enters Geo-fence mode. TR-203 will keep fixing the location in the geo-fence mode.

Step 1: Right click on the TR-203.



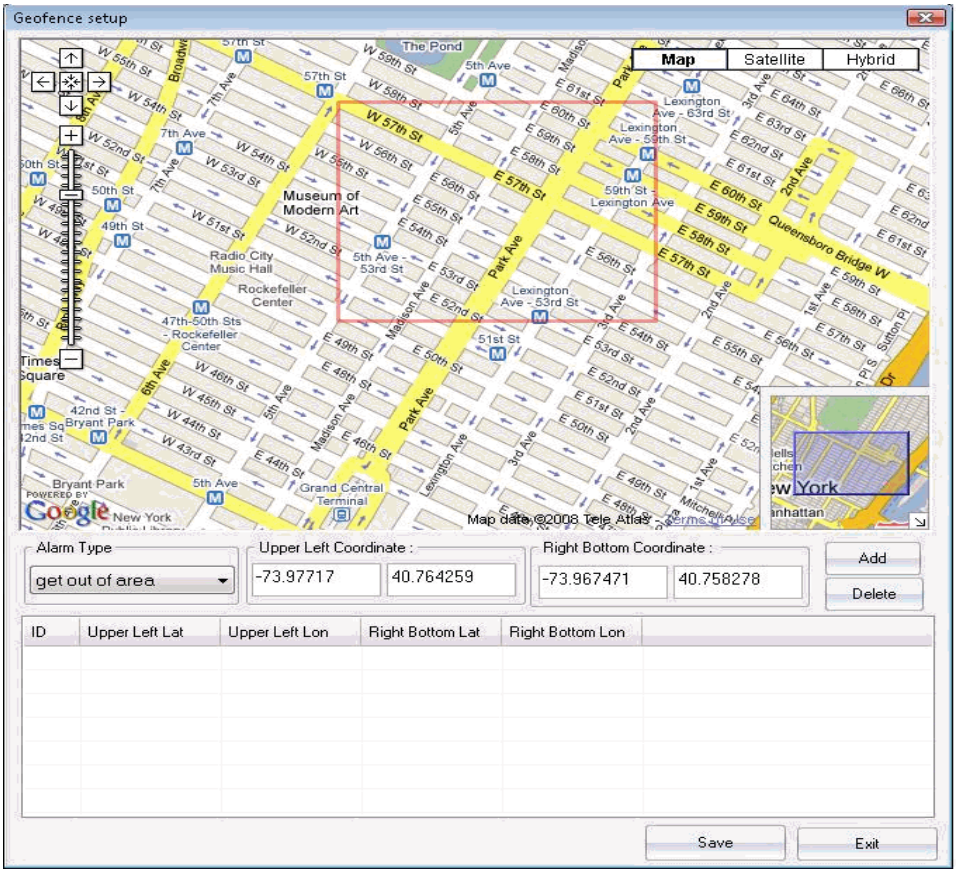
Step 2: Select **Geo-fence Setup** the following window will be displayed:



Step 3: Wait for the TR Management Center 203 to read the Geo-fence settings from TR-203.

Step 4: Choose the **Alarm Type**.

Step 5: Click the **Add** button. Then, click and drag the mouse on the Google map to draw a rectangle as your Geo-fence range. The coordinates of the upper left corner and right bottom corner will be automatically loaded in the coordinate field.

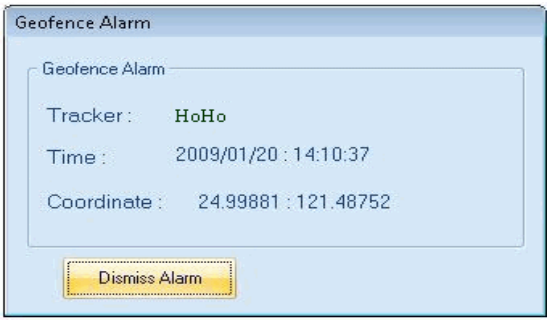


Step 6: You can repeat step 3 and step4 to set up to 10 geo-fence areas.

Step 7: Click **Save** button. Then you will see the window below.

Step 8: Please click **OK**. Then TR Management Center 203 will send the setting to TR-203 and start the Geo-fence function.

When TR-203 violates the Geo-fence rule it will send geo-fence alarm message to TR Management Center 203 as displayed in the following screenshot.



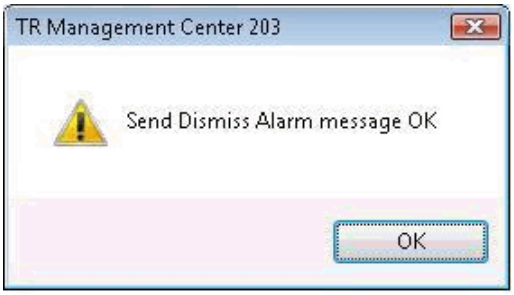
Note: **.Violate Geo-fence rule:**

1. While selecting “get in area” as the alarm type, only entering from the outside of the dragged area will make TR-203 send geo-fence alarm message. If TR-203 has been in the dragged area before entering geo-fence mode, TR-203 will not send geo-fence alarm.
2. While selecting “get out of area” as the alarm type, only getting out from the inside of the dragged area will make TR-203 send geo-fence alarm message. If TR-203 has been out of the dragged area before entering geo-fence mode, TR-203 will not send geo-fence alarm.

Step 9-1: You may dismiss the alarm message by clicking the **Dismiss Alarm** button.

After clicking **Dismiss Alarm** button, you will view a window as displayed in the following screenshot.

Please click **OK** button.



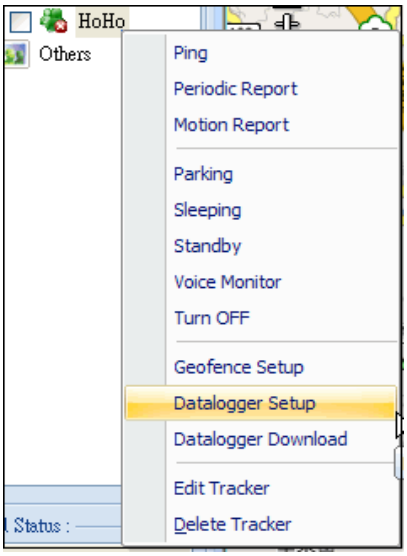
Note: TR-203 will exit from the Geo-fence mode.

Step 9-2: If you do not dismiss the alarm message, TR-203 will send its present coordinates to TR Management Center 203 and update the displayed coordinate on Geo-fence Alarm window every 60 seconds.

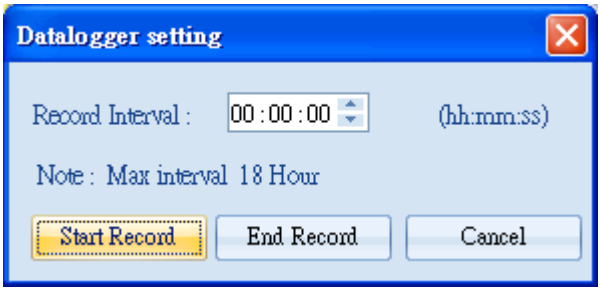
4.4.8 TR-203 Data Logger

The function of Data Logger is for you to record the location information of TR-203 based on the time interval. After recording the location information, you could connect TR-203 to PC by USB cable for downloading the data log.

Step 1: Right click on the TR-203.

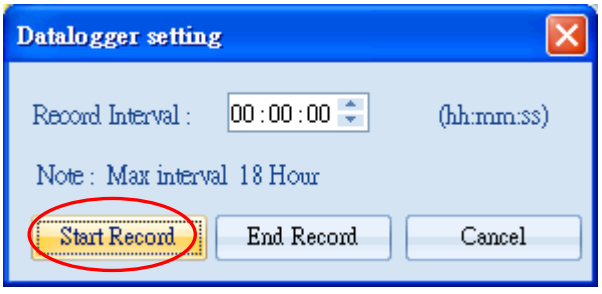


Step 2: Select **Data logger Setup**, you will view a window as displayed in the following screenshot.



Step 3: Set the interval of recording the data log.

Step 4: Click **Start Record** button.

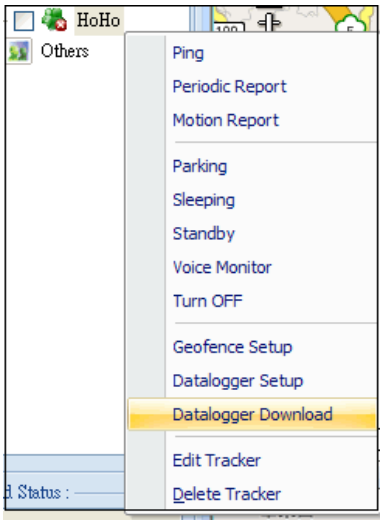


Step 5: When you'd like to stop recording the data log, please click **End Record** button.

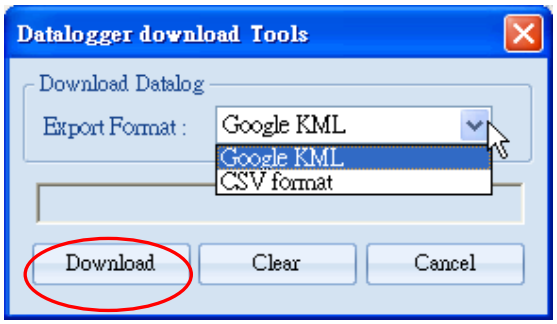
Download the data log files

You may download the data log files in the TR Management Center 203 and export the file into KML format for being displayed by Google earth or export the file into CSV format for being listed by Excel.

Step 1: Connect TR-203 to PC by the USB cable.
Step 2: Right click on the TR-203.

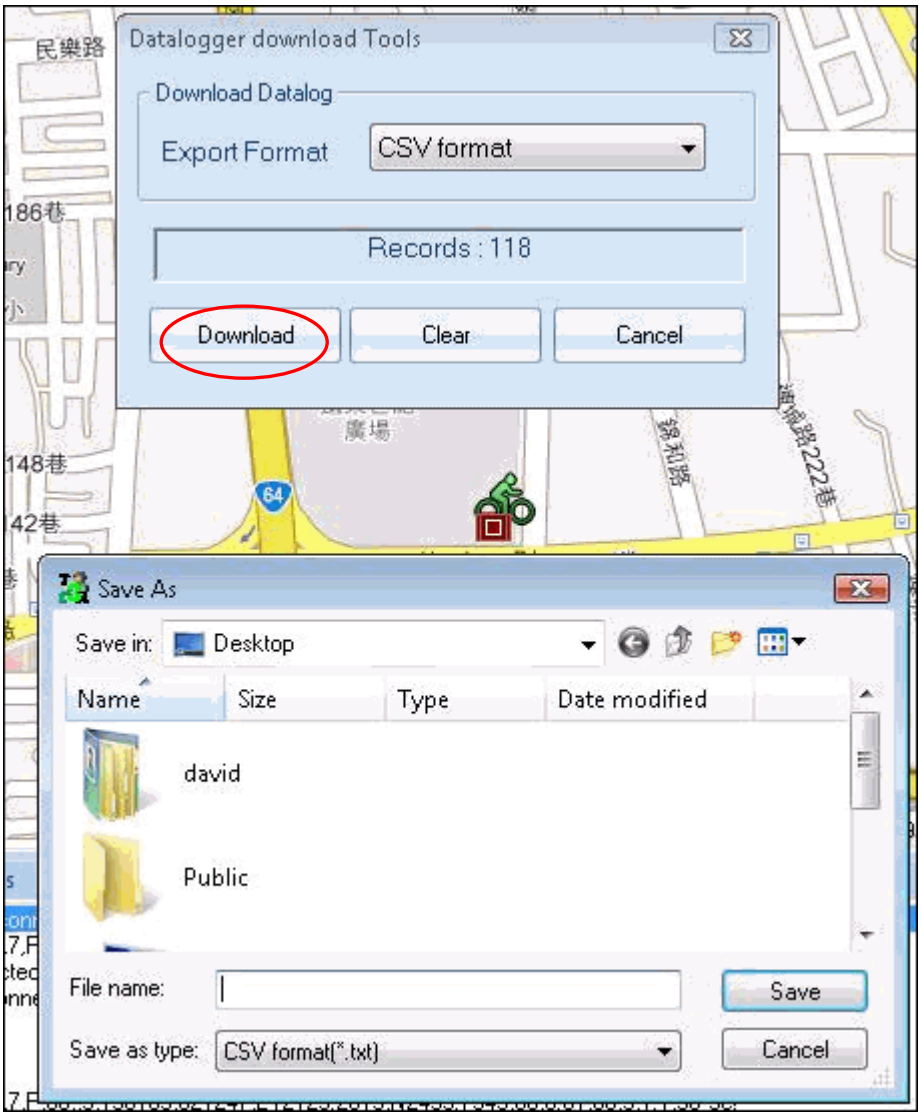


Step 2: Select **Data logger Setup**, you will view a window as displayed in the following screenshot.



Step 3: Select to export the file into **Google KML** format for being displayed by Google earth or export the file into **CSV format** for being listed by Excel.

Step 4: Click **Download** button.

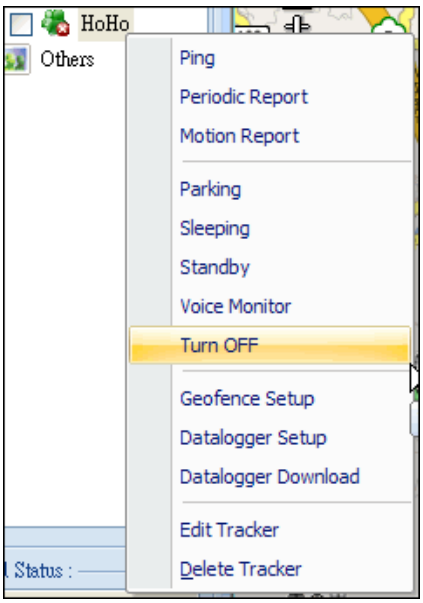


Step 5: Enter a name for the exported data in the field of File name and click **Save** button, you will view a window as displayed in the following screenshot when the file is exported.

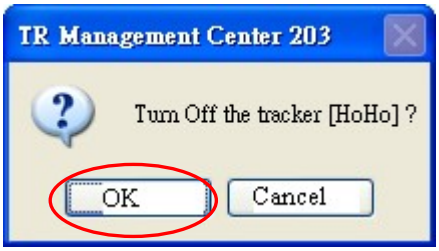
4.4.9 Turn off TR-203

You may remotely turn off TR-203 by TR Management Center 203.
Below follow the steps listed below.

Step 1: Right click on the TR-203.



Step 2: Select **Turn OFF**, you will view a window as displayed in the following screenshot.



Step 3: Click **OK** button. TR-203 will be turned off.
To turn “ON” TR-203, press the power key on the device.

4.4.10 Comparison between Parking, Motion, Sleeping, and Standby modes

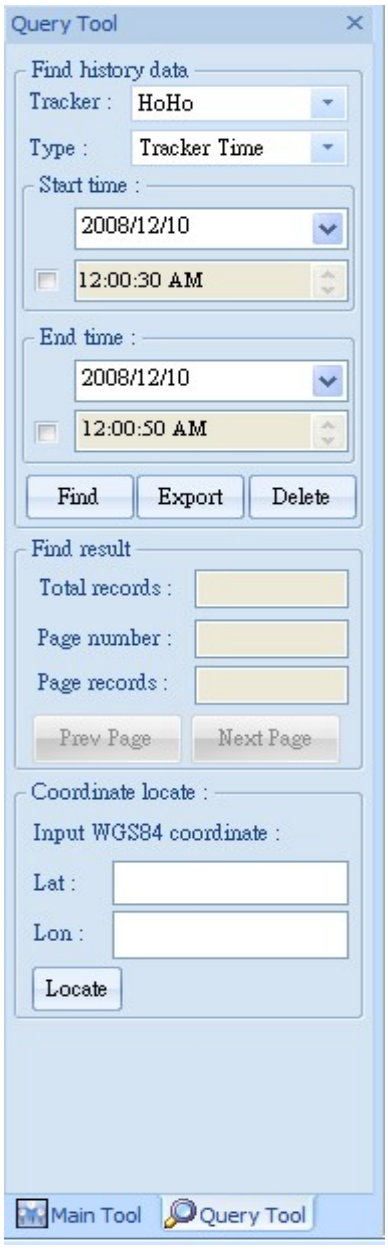
Function/Mode	Standby mode	Motion mode		Parking mode		Sleeping mode	
		Static	Moving	Alert	Alarm	Alert	Alarm
GPS	Off	Off	On	Off	On	Off	On
GSM	On	On	On	On	On	Off	On
Motion sensor	Off	On	On	On	On	On	On

4.5 TR Management Center Data Query

All data sent from TR-203 will be stored in the TR Management center 203 database. You may display this data on Google map or export them into KML format.

4.5.1 Search for history data

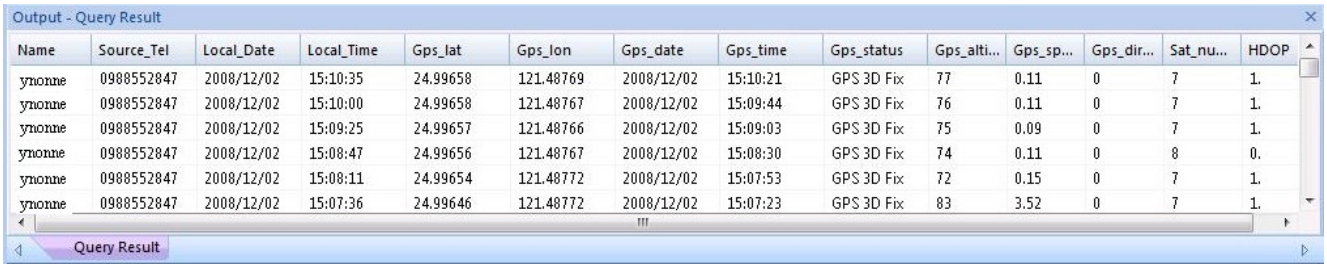
You may search the history data that TR-203 sent to TR Management center 203 by Query Tool.



"Query Tool"

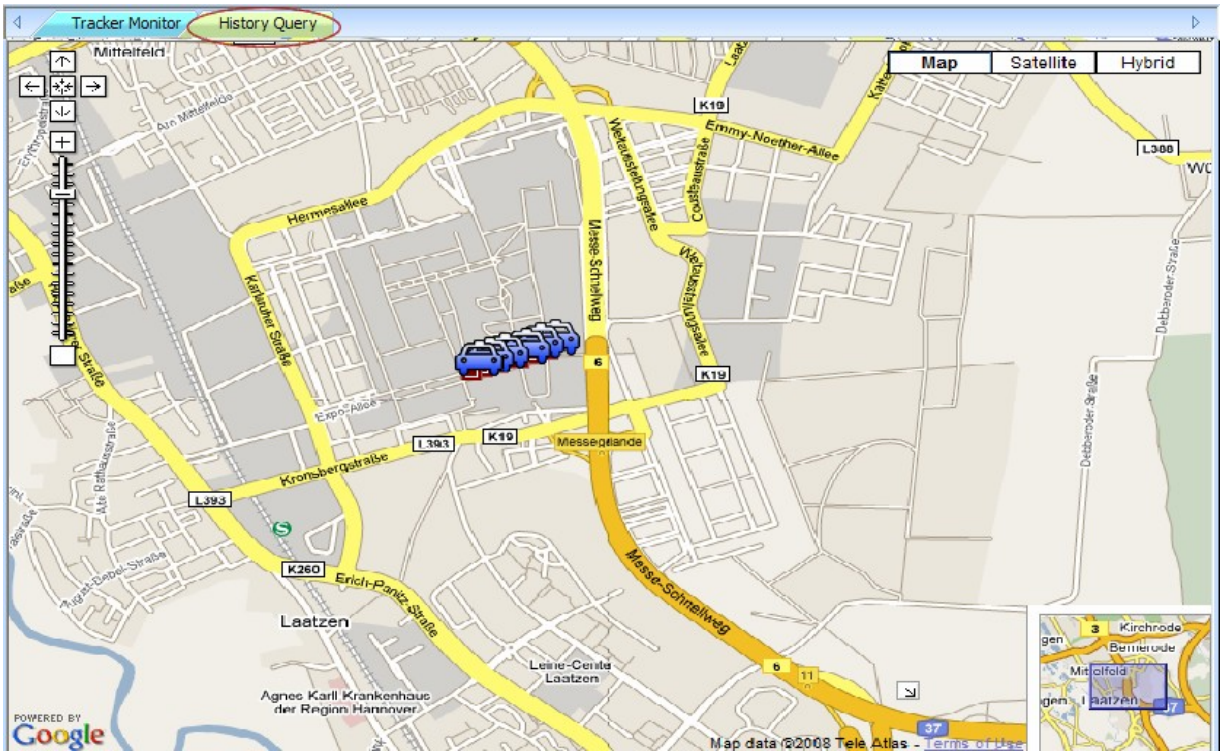
Item	Description
Tracker	Select the tracker whose history data you'd like to look up for
Type	To look up for the data according to the time of Tracker's timer (**Tracker Time**) or the receiving time of the PC (**Local Time**)
Start time	The start time of the period of looking up the history data
End Time	The end time of the period of looking up the history data
Find	Start to look up for the data
Export	Export the data into KML format
Delete	Delete query results
Total records	Display the quantity of the history data between the Start time and End time
Page number	Display the page of the history data (Each page has 200 records)
Prev Page	Go to the previous page
Next Page	Go to the next page

After specifying all the queried conditions, click the **Find** button and the query results will be shown on the Data Output Area.



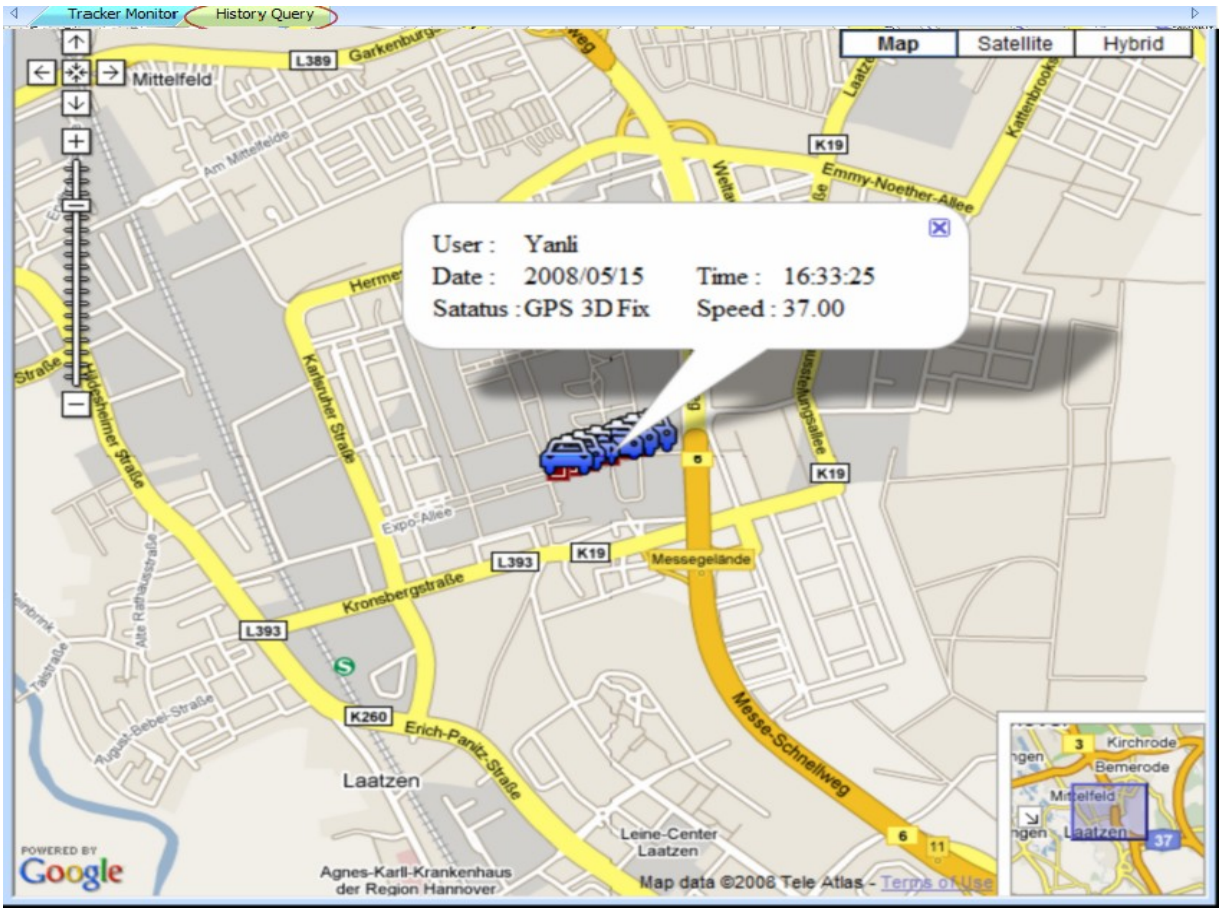
Query Result list

The results will also be shown on the Google Map. Please click the **History Query** tag on top of the Google Map to show the results.



Query results displayed on the Google Map

If you select a piece of result under the Data Output Area, its location and corresponding details will be shown on the Google Map.



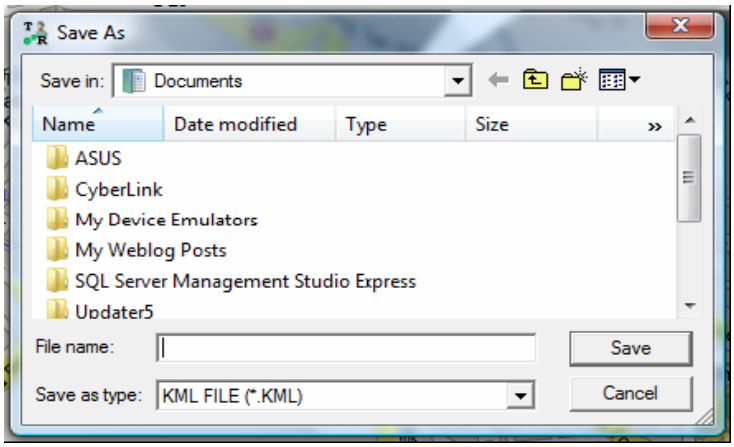
Clicking one of the tracker's icon on the Google map, the selected tracker's data under **Data Output Area** will be highlighted.

4.5.2 Exporting data in KML format

You may export the queried data into KML format for others to show the data on the Google map or Google earth.

Step 1: Refer to 4.5.1 to look up for the history data.

Step 2: Click the **Export** button on the Query Tool. Proceed to enter a name for the exported data in the field of File name.



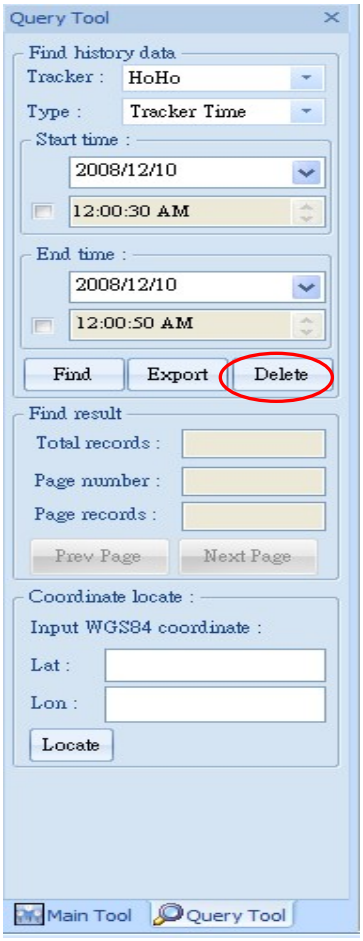
Enter a name for the exported KML file

4.5.3 Deleting database history data

You may delete the history data in the database.

Step 1: Select the name of the tracker and time interval whose data you'd like to delete.

Step 2: Click the **Delete** button.

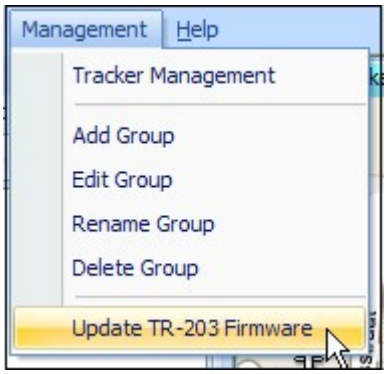


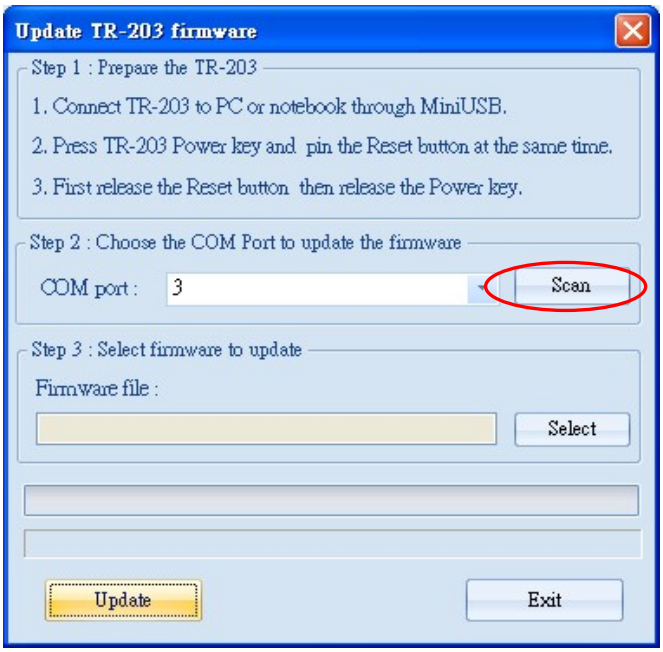
4.6 Update TR-203's Firmware

You may update TR-203's firmware via the TR Management Center 203.

Step 1: Connect TR-203 to the PC via the supplied USB cable.
Step 2: Press **Power button** and pin the reset key at the same time.
Step 3: Release **Reset key** and then release Power button.
Step 4: Run the "TR Management Center 203" program.
Step 5: Select **Management → Update TR-203 Firmware**

An Update TR-203 Firmware window will be displayed as in the following screenshot.

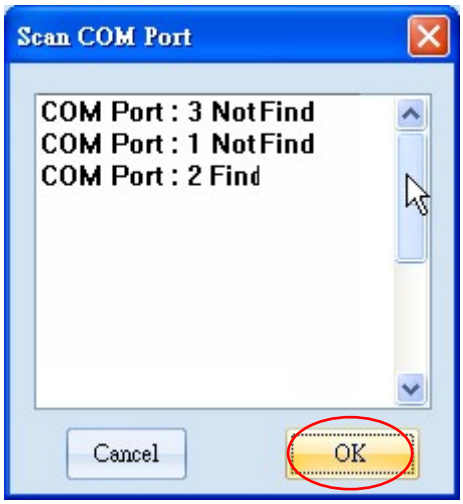


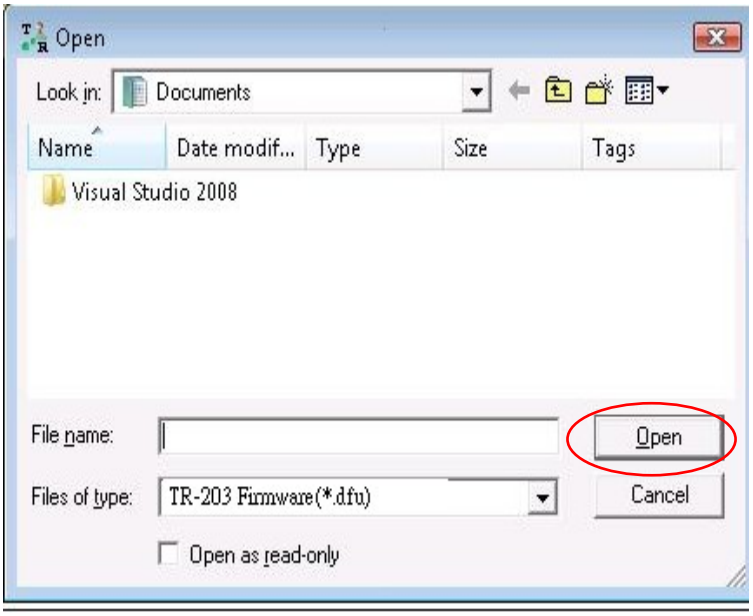


Step 5: Click **Scan** to scan the COM port.

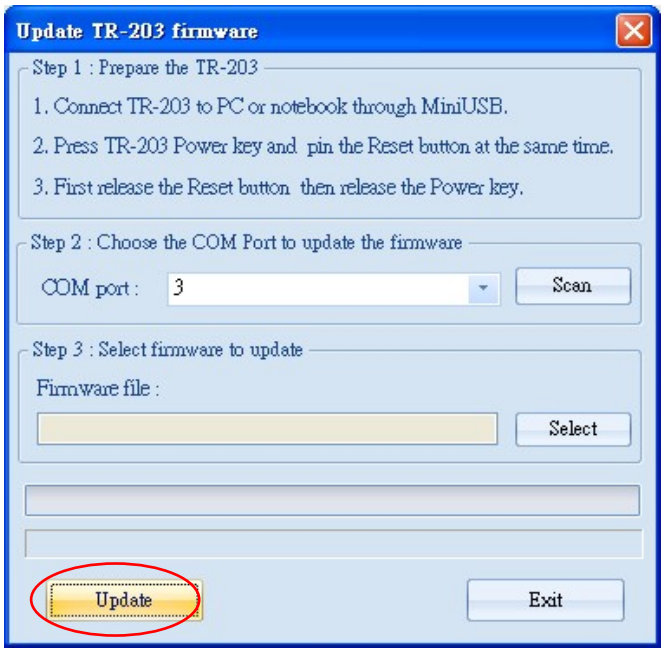
Step 6: Click OK button.

Step 7: Click **Select** and locate the firmware file, once found click **Open**.





Step 8: Click **Update** to update TR-203's firmware.



Appendix 1: GPRS Parameter

Country	Network	APN	User Name	Password
Albania	Vodafone	Twa	guest	guest
Argentina	CTI	internet.ctimovil.com.ar	guest	guest
Argentina	Movistar	internet.gprs.unifon.com.ar internet.unifon	wap	wap
Argentina	Personal	gprs.personal.com	[mobile number]	adgj
Australia	Optus	internet	guest	guest
Australia	Telstra	telstra.internet	guest	guest
Australia	Telstra (data bundles)	telstra.datapack	[blank]	Telstra
Australia	Telstra (pay by time)	telstra.pcpack	[blank]	Telstra
Australia	Three	3netaccess	a	a
Australia	Vodafone	vfinternet.au	guest	guest
Austria	Drei	drei.at	guest	guest
Austria	Max Online	gprsinternet	GPRS	[blank]
Austria	Max Online (Business)	business.gprsinternet	GPRS	[blank]
Austria	Max Online (Metro)	gprsmetro	GPRS	[blank]
Austria	Mobilkom A1	a1.net	ppp@a1plus.at	ppp
Austria	OneNet	web.one.at	web	web
Austria	tele.ring	web	web@telering.at	web
Azerbaijan	Azercell	internet	guest	guest
Bangladesh	Grameen Phone	gpinternet	[blank]	[blank]

Belarus	VELCOM	web.velcom.by unlim.velcom.by	web unlim	web unlim
Belgium	Mobistar (personal)	internet.be	mobistar	mobistar
Belgium	Mobistar (business)	web.pro.be	mobistar	mobistar
Belgium	Orange	orangeinternet	guest	guest
Belgium	Proximus (Internet)	internet.proximus.be	guest	guest
Belgium	Proximus (intranet)	intraprox.be	guest	guest
Botswana	Mascom Wireless	internet.mascom	guest	guest
Brazil	Claro	claro.com.br	claro	claro
Brazil	Oi	gprs.oi.com.br	guest	guest
Brazil	Oi (WAP)	wapgprs.oi.com.br	oiwap	oioioi
Brazil	TIM	tim.br	tim	tim
Brazil	Velox	wap.telcel.com	iesgprs	iesgprs2002
Bulgaria	GloBul	internet.globul.bg	globul	[none]
Bulgaria	M-Tel	mms-gprs.mtel.bg	mtel	mtel
Cameroon	MTN Cameroon	INTERNET	guest	guest
Canada	KORE Wireless	apn.zerogravitywireless.com	[blank]	[blank]
Canada	Microcell (Fido)	internet.fido.ca	fido	fido
Canada	Rogers AT&T	internet.com	wapuser1	wap
Chile	Entel PCS	imovil.entelpcs.cl	entelpcs	entelpcs
Chile	Telefonica Movil	web.tmovil.cl	web	web

China	China Mobile	cmnet	guest	guest
China	China Unicom	[none]	guest	guest
Croatia	T-Mobile	web.htgpr	38591	38591
Croatia	VIPNET START	gprs0.vipnet.hr	38591	38591
Croatia	VIPNET PRO	gprs5.vipnet.hr	38591	38591
Croatia	VIPNET 3G	3g.vip.hr	38591	38591
Colombia	Movistar	internet.movistar.com.co	movistar	movistar
Congo	Vodacom	vodanet	vodalive	[blank]
Costa Rica	IceCelular	icecelular	guest	guest
Czech Republic	Cesky Mobil (contract)	internet	guest	guest
Czech Republic	Cesky Mobil (CM Prepay)	cinternet	guest	guest
Czech Republic	Telefonica (contract)	internet	guest	guest
Czech Republic	Telefonica (Go)	gointernet	guest	guest
Czech Republic	Vodafone (contract)	internet	guest	guest
Czech Republic	Vodafone (pre-pay)	ointernet	guest	guest
Czech Republic	T-Mobile	internet.t-mobile.cz	guest	guest
Denmark	3	[none]	guest	guest
Denmark	Orange	web.orange.dk	guest	guest
Denmark	Sonofon	[none]	guest	guest
Denmark	TDC	internet	guest	guest

Dominican Republic	Orange	orangenet.com.do	guest	guest
Egypt	Click Vodafone	internet.vodafone.net	internet	internet
Egypt	MobiNil	mobinilweb	guest	guest
Estonia	EMT	internet.emt.ee	guest	guest
Estonia	RLE	internet	guest	guest
Finland	Dna	internet	guest	guest
Finland	Elisa (Radiolinja)	internet	rlnet	internet
Finland	Saunalahti	internet.saunalahti	guest	guest
Finland	Sonera	internet	[blank]	[blank]
Finland	Song	internet.song.fi	song@internet	songnet
France	Bouygues	ebouygtel.com	guest	guest
France	Bouygues (B2Bouygtel)	b2bouygtel.com	guest	guest
France	Orange (contract)	orange.fr	orange	orange
France	Orange MIB	orange-mib	mportail	mib
France	Orange Mobicarte	orange-acte	orange	orange
France	SFR	websfr	guest	guest
Germany	D2 Vodafone	web.vodafone.de	guest	guest
Germany	E-Plus	internet.eplus.de	eplus	gprs
Germany	O2 (3G)	surfo2	guest	guest
Germany	O2 (GPRS)	internet	guest	guest
Germany	Quam	quam.de	quam	quam
Germany	T-Mobile D1	internet.t-mobile	internet.t-d1.de	t-mobile

Ghana	Areeba (formerly Spacefon)	internet.spacefon.com	guest	guest
Greece	Cosmote	internet	guest	guest
Greece	Telestet	gnet.b-online.gr	MSISDN, e.g. 3093XXXXXXX	24680
Greece	TIM	gint.b-online.gr	web	web
Greece	Vodafone	internet.vodafone.gr	guest	guest
Guatemala	Comcel	Wap.tigo.gt	Wap	Wap
Guatemala	PCS Digital	ideasalo	guest	guest
Guyana	GT&T Cellink Plus	wap.cellinkgy.com	test	test
Hong Kong	CSL	hkcsl or internet	guest	guest
Hong Kong	New World	internet	guest	guest
Hong Kong	Orange	web.orangehk.com	guest	guest
Hong Kong	People	internet	guest	guest
Hong Kong	SmarTone	internet	guest	guest
Hong Kong	Sunday	internet	guest	guest
Hong Kong	Three	web-g.three.com.hk	guest	guest
Hungary	Pannon (normal)	net	guest	guest
Hungary	Pannon (flat rate)	netx	guest	guest
Hungary	Pannon (compressed)	snet	guest	guest
Hungary	T-Mobile (subscription)	internet	[supplied]	[supplied]
Hungary	T-Mobile (non-sub.)	internet	wap	Wap

Hungary	T-Mobile (MMS)	mms-westel	mms	[supplied]
Hungary	Vodafone (contract) (compr.)	internet.vodafone.net	guest	guest
Hungary	Vodafone (contract) (un-comp.)	standardnet.vodafone.net	guest	guest
Hungary	Vodafone (pre-pay) (comp.)	vitamax.internet.vodafone.net	guest	guest
Hungary	Vodafone (pre-pay) (un-comp.)	vitamax.snet.vodafone.net	guest	guest
India	AirTel	airtelgprs.com	guest	guest
India	BPL	bplgprs.com	bplmobile	[blank]
India	BSNL	celloneportal	guest	guest
India	Hutch (normal)	www	guest	guest
India	Hutch (Gujarat)	web	guest	guest
India	Idea Cellular	internet	guest	guest
India	MTNL Mumbai	mmsmtnlmum	mtnl	mtnl123
India	MTNL Mumbai (Plan 2)	gprsmtnlmum	mtnl	mtnl123
Indonesia	Excelcomindo	www.xlgprs.net	xlgprs	proxl
Indonesia	IM3	www.indosat-m3.net wap.indosat-m3.net	gprs	im3
Indonesia	Indosat (Matrix)	satelindogprs.com indosatgprs	guest	guest

Indonesia	Telkomsel	internet telkomsel	wap	wap123
Ireland	Meteor	isp.mymeteor.ie	my	meteor
Ireland	O2 (contract)	open.internet	gprs	gprs
Ireland	O2 (pre-pay)	pp.internet	gprs	gprs
Ireland	Vodafone (contract)	isp.vodafone.ie	vodafone	vodafone
Ireland	Vodafone (pre-pay)	live.vodafone.com	vodafone	vodafone
Israel	Cellcom	internetg	guest	guest
Israel	MTC-Vodafone	apn01	guest	guest
Israel	Orange	orangeinternet	guest	guest
Italy	Blu	INTERNET	guest	guest
Italy	H3G	tre.it	guest	guest
Italy	TIM	ibox.tim.it	guest	guest
Italy	Vodafone (Omnitel)	web.omnitel.it	guest	guest
Italy	Wind	internet.wind internet.wind.biz	Wind	Wind
Jamaica	Cable & Wireless	wap	guest	guest
Jamaica	Digicel	web.digiceljamaica.com	wapuser	wap03jam
Japan	Vodafone (J-Phone)	vodafone	ai@vodafone	vodafone
Jersey	(See UK)			
Kazakhstan	Beeline	internet.beeline.kz	internet.beeline	[blank]
Kenya	Safaricom	web.safaricom.com	web	web

Laos	ETL	etlnet	guest	guest
Latvia	LMT	internet.lmt.lv	[blank]	[blank]
Latvia	Tele2	internet.tele2.lv	gprs	internet
Lebannon	Cellis FTML	internet.ftml.com.lb	plugged	plugged
Lebannon	MTC Touch	gprs.mtctouch.com.lb	guest	guest
Lithuania	Bite GSM	banga	guest	guest
Lithuania	Omnitel (contract)	gprs.omnitel.net	guest	guest
Lithuania	Omnitel (no contract)	gprs.startas.lt	omni	omni
Luxembourg	LUXGSM	web.pt.lu	guest	guest
Luxembourg	Tango	internet	tango	tango
Luxembourg	VOXmobile	vox.lu	guest	guest
Macau	CTM	ctm-mobile	guest	guest
Macau	Macau Hutchison Telecom (Internet)	web.hutchisonmacau.com	hutchison	1234
Macau	Macau Hutchison Telecom (MMS)	mms.hutchisonmacau.com	hutchison	1234
Malaysia	DIGI	diginet	guest	guest
Malaysia	Celcom	celcom.net.my	guest	guest
Malaysia	Maxis 2G (contract)	internet.gprs.maxis	guest	guest
Malaysia	Maxis 3G (contract)	unet	maxis	wap
Malaysia	Maxis (pre-pay)	net	maxis	net
Malaysia	Timecel	timenett.com.my (timenet.com.my?)	guest	guest

Malaysia	TM Touch	internet	guest	guest
Malta	Go Mobile (contract)	gosurfing	guest	guest
Malta	Go Mobile (pre-pay)	rtgsurfing	guest	guest
Mexico	Telcel	internet.itelcel.com	webgprs	webgprs2002
Moldavia	Moldcell	internet	gprs	gprs
Morocco	Maroc Telecom	iam	wac	1987
Morocco	Medi Telecom	wap.meditel.ma	MEDIWAP	MEDIWAP
Netherlands	KPN Mobile	internet	KPN	gprs
Netherlands	O2	internet	guest	guest
Netherlands	T-Mobile (Ben) active	internet	guest	guest
Netherlands	Telfort	internet	telfortnl	password
Netherlands	Vodafone (normal)	web.vodafone.nl	vodafone	vodafone
Netherlands	Vodafone (business)	office.vodafone.nl	vodafone	vodafone
New Zealand	Vodafone (unrestricted)	internet	guest	guest
New Zealand	Vodafone (restricted)	www.vodafone.net.nz	guest	guest
Nicaragua	Alo Pcs	internet.ideasalo.ni	internet	internet
Nigeria	Globacom (Internet)	gprs	wap	[blank]
Nigeria	Globacom (WAP)	glowap	wap	wap
Nigeria	MTN Nigeria	web.gprs.mtnnigeria.net	wap	gprs

Nigeria	Vmobile	wap.vmobile	wap	wap
Norway	Netcom	internet.netcom.no	netcom	netcom
Norway	TalkMore	(same as Netcom)		
Norway	Telenor Mobil (Vodafone)	Internet internet.vodafone.net	guest	guest
Pakistan	UFone	ufone.internet	ufone	ufone
Panama	Cable & Wireless	apn01.cwpanama.com.pa	xxx	xxx
Paraguy	CTI	internet.ctimovil.com.py	ctigprs	ctigprs999
Peru	Claro (TIM)	tim.pe	tim	tulibertad
Philippines	Globe Telecoms (Web)	internet.globe.com.ph	globe	globe
Philippines	Globe Telecoms (WAP)	www.globe.com.ph	globe	globe
Philippines	Smart	internet	witsductoor	banonoy
Philippines	Sun Cellular	minternet	guest	guest
Poland	ERA	erainternet	erainternet	erainternet
Poland	Heyah	heyah.pl	heyah	heyah
Poland	Orange	internet	internet	internet
Poland	Polkomtel	www.plusgsm.pl	guest	guest
Portugal	Optimus	internet	guest	guest
Portugal	TMN	internet	guest	guest
Portugal	Vodafone (Telecel)	internet.vodafone.pt	guest	guest
Russia	BeeLine	internet.beeline.ru	beeline	beeline
Romania	Connex (Vodafone)	internet.connex.ro	internet.connex.ro	connex
Romania	Orange	internet	guest	guest

Russia	Megafon (dv)	internet.dv	guest	guest
Russia	Megafon (kvk)	internet.kvk	guest	guest
Russia	Megafon (ltmsk)	internet.ltmsk	guest	guest
Russia	Megafon (Moscow)	internet.msk	gdata	gdata
Russia	Megafon (mc)	internet.mc	guest	guest
Russia	Megafon (NWGSM)	internet.nw	guest	guest
Russia	Megafon (Siberia)	internet.sib	guest	guest
Russia	Megafon (UGSM)	internet.ugsm	guest	guest
Russia	Megafon (usi)	internet.usi.ru	guest	guest
Russia	Megafon (Volga)	internet.volga	guest	guest
Russia	Motiv (uses BeeLine)	internet.beeline.ru	beeline	beeline
Russia	MTS	internet.mts.ru internet.kuban	mts	mts
Russia	NCC	internet	ncc	[supplied]
Russia	NTC	internet.ntc	guest	guest
Russia	PrimTel	internet.primtel.ru	guest	guest
Saint Lucia	Cable & Wireless	internet	guest	guest
Saint Vincent &	Digicel	wap.digiceloecs.com	wapoecs	wap03oecs

the Grenadines				
Saudi Arabia	STC	jawalnet.com.sa	guest	guest
SÈnÈgal	Tigo	wap.sentelgsm.com	guest	guest
Serbia-Montenegro	Mobtel Srbija	internet	mobtel	gprs
Serbia-Montenegro	Telekom Srbija	gprsinternet	mts	064
Serbia-Montenegro	Telekom Srbija (MMS service)	mms	mts	064
Serbia-Montenegro	Telekom Srbija (WAP service)	gprswap	mts	064
Singapore	M1	mobilenet	guest	guest
Singapore	SingTel	internet	guest	guest
Singapore	Starhub	shwapint	guest	guest
Slovakia	Eurotel	internet	guest	guest
Slovakia	Globtel	internet	guest	guest
Slovakia	Orange	internet	jusernejm	pasvord
Slovenia	Mobitel (Internet)	internet	mobitel	internet
Slovenia	Mobitel (Internet Pro)	internetpro	mobitel	internet
Slovenia	Simobil	[none]	guest	guest
South Africa	Cell-C	internet	guest	guest
South Africa	MTN	internet	guest	guest
South Africa	Vodacom	internet	guest	guest
South Africa	Virgin Mobile	vdata	guest	guest
Spain	Amena	internet	CLIENTE	AMENA

Spain	Telefonica (Movistar)	movistar.es	movistar	movistar
Sri Lanka	Dialog GSM (contract)	www.dialogsl.com	guest	guest
Sri Lanka	Dialog GSM (pre-pay)	ppwap	guest	guest
Sri Lanka	Mobitel	isp	guest	guest
Spain	Vodafone (Airtel)	airtelnet.es	vodafone	vodafone
Sweden	Tele2, Comviq	isplnk1.swip.net	gprs	internet
Sweden	Tele2 (3G)	internet.tele2.se	wap	wap
Sweden	Telenor (GPRS)	internet.vodafone.net	guest	guest
Sweden	Telenor (3G)	services.vodafone.net	guest	guest
Sweden	Telia	online.telia.se	guest	guest
Sweden	Tre (3G)	data.tre.se	void	void
Switzerland	Orange	internet	guest	guest
Switzerland	Sunrise	internet	internet	internet
Switzerland	Swisscom	gprs.swisscom.ch	guest	guest
Taiwan	Chunghwa Telecom	emome or internet	guest	guest
Taiwan	Far EasTone	fetnet01	guest	guest
Taiwan	KG Telecom	internet	guest	guest
Taiwan	Taiwan Cellular	internet	guest	guest
Thailand	AIS	internet	ais	ais
Thailand	DTAC	www.dtac.co.th	guest	guest

Turkey	Aycell	aycell	guest	guest
Turkey	Telsim	telsim	telsim	telsim
Turkey	Türkcell	internet	gprs	gprs
UAE	Etisalat	mnet	mnet	mnet
UK	3	three.co.uk	guest	guest
UK	Jersey Telecom	pepper	abc	abc
UK	O2 (contract)	mobile.o2.co.uk	web	password
UK	O2 (contract) -faster-	mobile.o2.co.uk	faster	password
UK	O2 (pre-pay)	payandgo.o2.co.uk	payandgo	payandgo
UK	Orange (Pay Monthly)	orangeinternet	user	pass
UK	Orange (Pay and Go)	orangewap	Multimedia	Orange
UK	T-Mobile	general.t-mobile.uk	user	pass
UK	Virgin Mobile	goto.virginmobile.com	user	[space]
UK	Vodafone (contract)	internet	web	webs
UK	Vodafone (pre-pay)	pp.vodafone.co.uk	wap	wap
Ukraine	Djuice	www.djuice.com.ua	igprs	igprs
Ukraine	Jeans	www.jeans.ua	guest	guest
Ukraine	Kyivstar	www.kyivstar.net	igprs	internet
Ukraine	Mobi-GSM	internet.urs	guest	guest

Ukraine	UMC	www.umc.ua	guest	guest
Uruguay	ANCEL	gprs.ancel	guest	guest
Uruguay	CTI	internet.ctimovil.com.uy	ctiweb	ctiweb999
Uruguay	Movistar	webapn.movistar.com.uy	movistar	movistar
USA	Cingular (ex AT&T)	proxy	guest	guest
USA	Cingular (With acceleration)	ISP.CINGULAR	ISPDA@ CINGULARGPRS .COM	CINGULAR1
USA	Cingular (NO acceleration)	ISP.CINGULAR	ISP@ CINGULARGPRS .COM	CINGULAR1
USA	Cingular (non-contract)	WAP.CINGULAR	WAP@ CINGULARGPRS .COM	CINGULAR1
USA	T-Mobile (Internet)	internet2.voicestream.com	guest	guest
USA	T-Mobile (VPN)	internet3.voicestream.com	guest	guest
USA	T-Mobile (non-contract)	wap.voicestream.com	guest	guest
Uzbekistan	Uzdunrobita	net.urd.uz	user	pass
Venezuela	Digitel TIM	gprsweb.digitel.ve	guest	guest

Appendix 2: Battery Spec.

The electrical specifications below apply for ambient temperature TAMB of 0°C to +45°C

The Electrical Specification

Item	Description	Specification	Unit	Remark
1	Interface Chipset	N/A	-	-
2	Rated voltage	3.7	V	Typical
3	Rated capacity	920mAh/3.4(Whr)	-	Typical
4	Rated charge current	0.4	A	Typical
5	Charge voltage	4.2 +/- 0.05	V	Maximum
6	Discharge cut-off voltage	3.0	V	Typical
7	Charge method	Constant voltage Current limited	-	-
8	Discharge Current	0.5C (-20°C to 60°C)	-	Typical
9	Internal Resistance	250	mΩ	Maximum
10	Charge Temperature	0 °C ~ 45 °C	°C	Typical

Battery Pack Electrical Specification

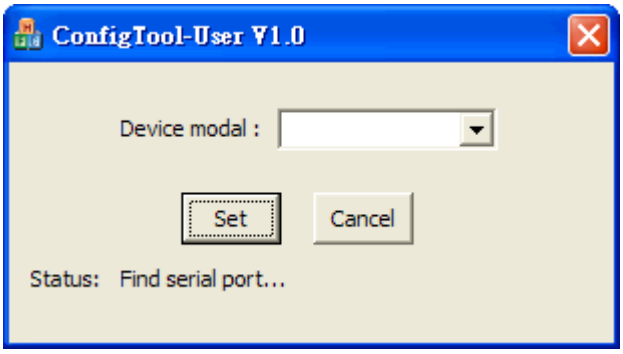
Item	Description	Specification			Unit
		Min.	Typ.	Max.	-
1	Over voltage detection voltage	4.325	4.350	4.375	V
2	Charge enable	4.10	4.15	4.20	V
3	Under voltage detection voltage	2.5	2.6	2.7	V
4	Over current detection current	2.97	3.17	3.36	A
5	Short-circuit detection current	9.9	13.33	16.83	A
6	Short-circuit detection voltage	150	200	250	mV
7	Over voltage delay time	0.8	1	1.2	s
8	Under voltage delay time	90	100	110	ms
9	Over current delay time	5	10	20	ms
10	Short-circuit delay time	160	200	240	μs
11	Recovery charge current	0.5	1	2	mA
12	Over current maximum value	An over current maximum value during the 20ms detection period of 5A won't be damaging the battery pack.			

Appendix 3: Free Web Service

Free web service is provided on http://traq.gstraq.com/login.php by Globalsat Corporation. Before utilizing this service, please, perform TR-203 parameter adjustments with the supplied tool in the product CD.

Insert the product CD in the PC's CD-ROM player and the following screenshot will be displayed.

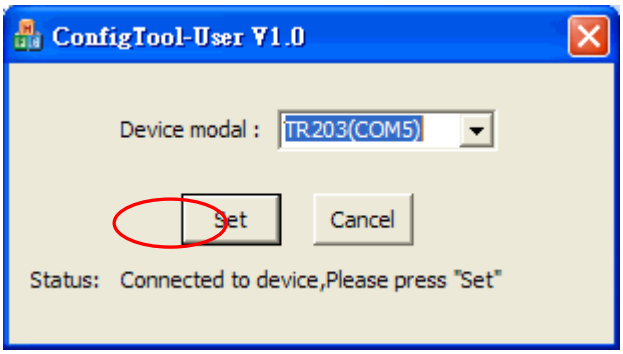
Click on "**Setting for Free Web Service**" and the window for setting free web service will be displayed as in the screenshot below.



Connect TR-203 to your PC via the supplied USB cable.

Next, turn the TR-203 power “ON” and then short click power button. You will see the emergency button emit light.

Click **Set** button when the program finds the COM port of TR-203 like the screenshot below.



FCC Note

15.21

Federal Communications Commission (FCC) Statement

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

Federal Communications Commission (FCC) Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

Operation is subject to the following two conditions:
1) This device may not cause interference and
2) This device must accept any interference, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with our specially supplied “bag.”

European Union Notice

If this product has telecommunications functionality, it also complies with the essential requirements of the following EU Directive:

* R&TTE Directive 1999/5/EC

Compliance with these directives implies conformity to harmonized European standards (European Norms) that are listed in the EU Declaration of Conformity issued by GlobalSat for this product or product family.

This compliance is indicated by one of the following conformity markings placed on the product.

This CE marking is valid for EU non-harmonized telecommunications products

CE 0560

The GPRS and GSM antenna of the product, under normal use condition is at least 20cm away from the body of the user in data link modes.

This equipment should be installed and operated with a minimum distance of 15mm between the radiator and your body.

Your tracking device is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population.

The exposure standard for cellular communication devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The tests for SAR have been conducted based on the standard operating position away from body 15mm. Please keep this distance when the device is operating.

IEEE 1725

-Do not disassemble or open crush, bend or deform, puncture or shred
-Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.
-Only use the battery for the system for which it is specified
-Only use the battery with a charging system that has been qualified with the system per this standard. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
-Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.
-Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725-2006. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard.
-Promptly dispose of used batteries in accordance with local regulations
-Battery usage by children should be supervised.
-Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
-Improper battery use may result in a fire, explosion or other hazard.
-For those host devices that utilize a USB port as a charging source, the host device's user manual shall include a statement that the phone shall only be connected to products that bear the USB-IF logo or have completed the USB-IF compliance program.