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MEITRACK[®] Family GPS Tracking System

OBD Edition

Use Guide

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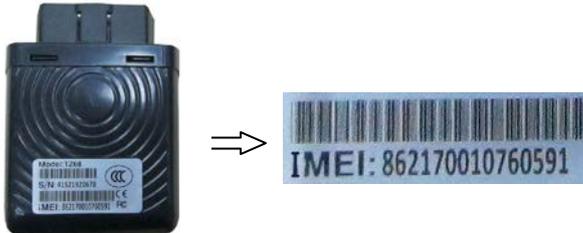
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2 Quick Start Instruction

2.1 Check IMEI Number

Check the IMEI No. on TC68 which consists of 15 digits, this IMEI number can be used as account name to log in Meitrack Family GPS Tracking System.



2.2 Insert SIM Card

The default setting of GPRS for the device is open to report and update location data to the server every 1 minute.

Insert the SIM Card and TF Card:



Notice: Please turn off TC68 before insert the SIM card and TF Card

SIM Card:

Remove the cover of SIM card and insert SIM card as picture (chip down), then recover it.

Notice:

- Make sure there is enough charge (test it by SMS and Call after the SIM card inserted);
- Make sure turn off the PIN function of the SIM card ;
- Make sure you have set Caller Identification function if you want so.



Insert SIM Card



Insert TF Card

TF Card :

Remove the cover of TF card and insert TF card as picture (chip down), then recover it.

2.3 Log in Platform

Log in platform through: <http://obd.trackingmate.com>

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2.3.1 Ways to Login

There are 4 ways to log in platform: IMEI number, QQ account, MSN account, self-registered account.

Note: data sync will not be affected by different login ways.

- Logging in by IMEI number is fit for the users who have only one tracking device, it's very convenient for the first use through IMEI number.
- Logging in by QQ/MSN account is fit for the users who have registered many user accounts.
- Logging in by registered account is fit for the users who have more than one tracking devices, users can name their own registered accounts.

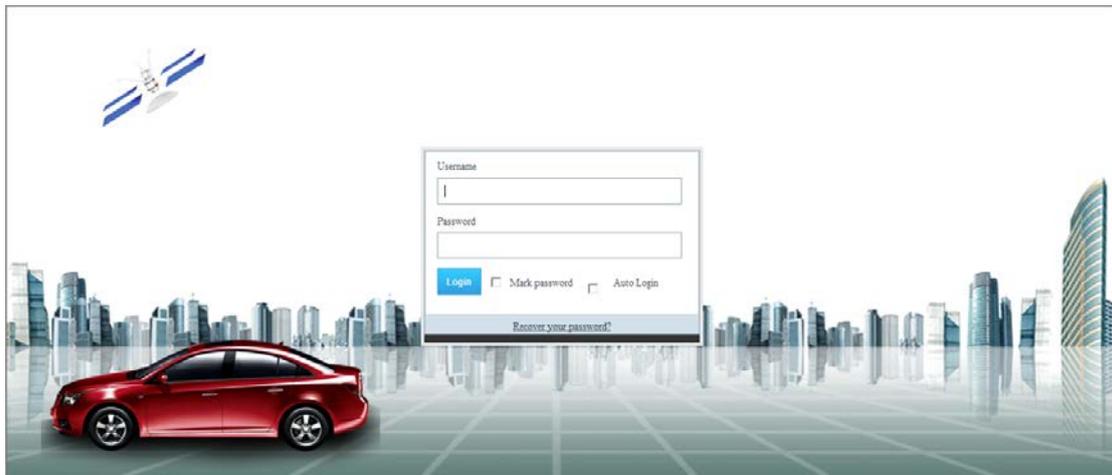
2.3.1.1 Login by IMEI Number

Click the access icon, and enter your IMEI number:

Account: IMEI number

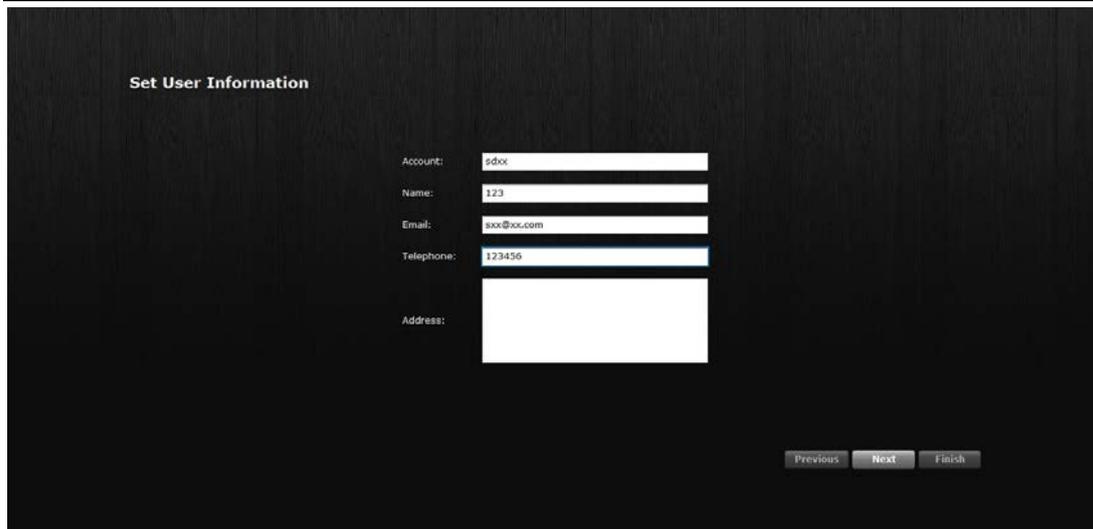
Password (Default): 0000 (User can change the password after logging in)

Select Mark Password and Auto Login, you don't need to enter the Username and Password next time while visiting the system.

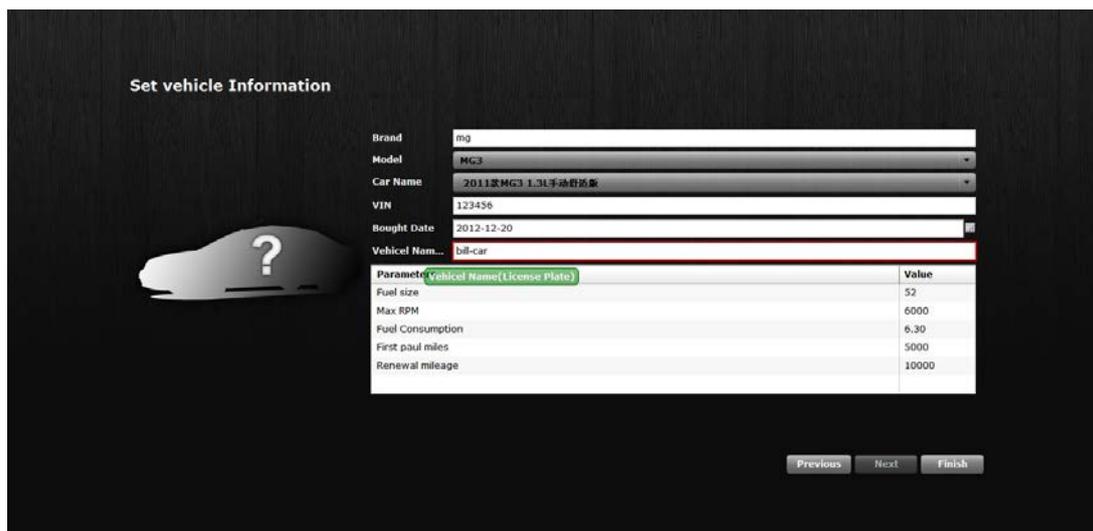


The system will prompt Set User Information. There are two methods to login Meitrack Family GPS Tracking System : "IMEI NO." and "Account" . The Account name can be letters and numbers, case insensitive.

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Click Next to Set Vehicle Information. Meitrack Family will set your vehicle and the IMEI No. automatically.



Parameter	Value
Fuel size	52
Max RPM	6000
Fuel Consumption	6.30
First paul miles	5000
Renewal mileage	10000

2.3.1.2 Login by Self-Registered Account

If you want to use only one account to manage multi devices, you can register an account at first, then add more other devices under this registered account.

When you register, it will require you to fill in the IMEI number of your first device. You can add more other devices after log in the platform.

2.3.2 Check Location

After log in the platform successfully, you can choose the right device from the Device Panel on the right side to check the latest real-time location.



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2.4 Troubleshooting

2.4.1 Login Problem

If fail in logging in by IMEI number, please contact your seller and inform your IMEI number to fix the problem.

2.4.2 Location Problem

If fail in checking location after logging successfully , or single clicking and double clicking the device, the device doesn't send data to the server, and popping up the following notice, you can set and check problem by the following methods:

2.4.2.1 Set by SMS Command

SMS: 0000,F12

Reply: IMEI,F12,OK

Note:

0000 is the default password of the device, not the pass word of Meitrack Family GPS Tracking System. Please use the new password if you have changed.

This command is for running the GPRS report, and set GPRS parameter (default) as the below:

IP: 67.203.13.26

Port: 6800

GPRS Mode: TCP

Time Interval for Report : 60 secs

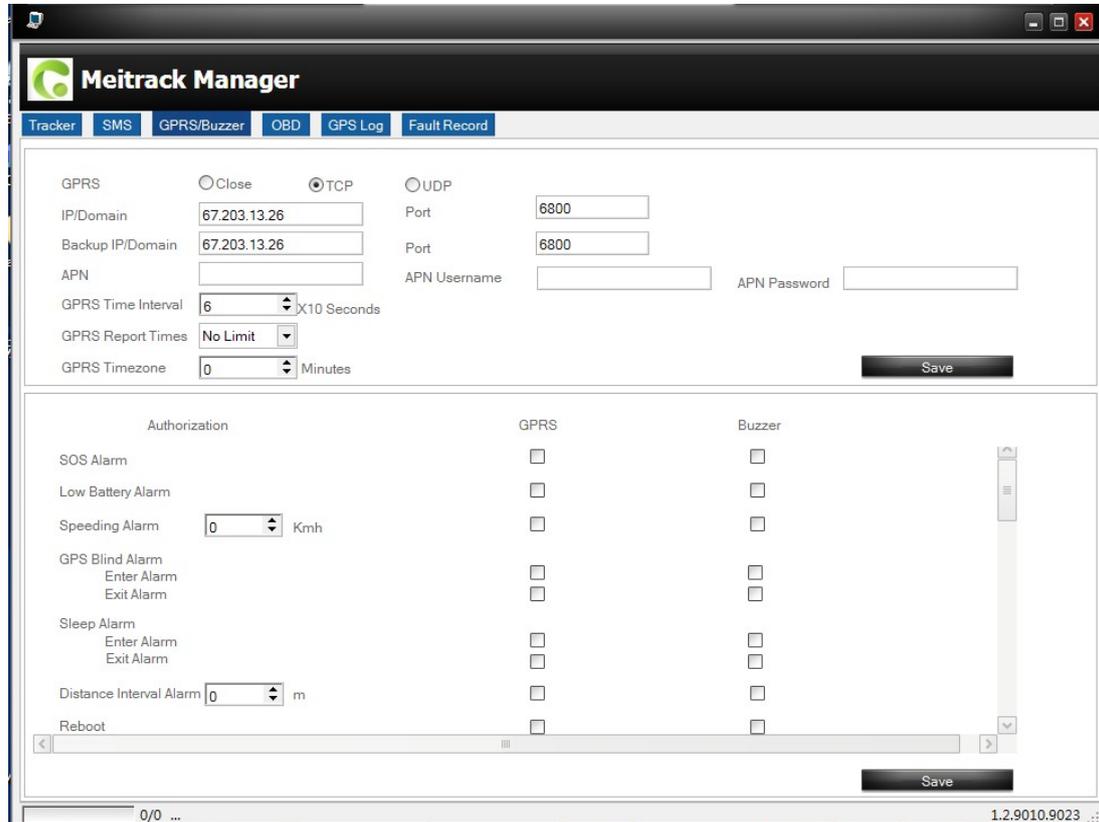
APN: CMNET

APN Account, APN Password: Null

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2.4.2.2 Configure by Computer with Meitrack Manager

If you use Meitrack Manager, please configure the parameter as following:



The screenshot shows the Meitrack Manager configuration window. The 'GPRS/Buzzer' tab is selected. The GPRS configuration section includes radio buttons for 'Close', 'TCP' (selected), and 'UDP'. Fields for 'IP/Domain' and 'Backup IP/Domain' are both set to '67.203.13.26'. 'Port' fields are set to '6800'. 'APN', 'APN Username', and 'APN Password' fields are empty. 'GPRS Time Interval' is set to '6' (representing 60 seconds), 'GPRS Report Times' is 'No Limit', and 'GPRS Timezone' is '0'. The Buzzer configuration section includes checkboxes for 'SOS Alarm', 'Low Battery Alarm', 'Speeding Alarm' (with a speed limit of '0' Kmh), 'GPS Blind Alarm' (with 'Enter Alarm' and 'Exit Alarm' sub-options), 'Sleep Alarm' (with 'Enter Alarm' and 'Exit Alarm' sub-options), 'Distance Interval Alarm' (set to '0' m), and 'Reboot'. A 'Save' button is present at the bottom right of each section.

- **GPRS Connection Mode:** TCP
- **IP Domain and Port:** fill in the server's IP, our server's IP is 67.203.13.26. Port number is TCP/IP port on the server used for receiving GPRS. Our server's port is 6800.
- **Backup IP Domain and Port:** it fits for the users who have multi servers. When the first server can't work, the device will automatically send data to the backup server. Our backup server's IP and port are 67.203.13.26 and 6801 respectively.
- **APN, APN User Name, APN Password:** enter APN, APN Username, APN Password. You can leave them blank if no APN username or password is required.
- **GPRS Time Interval:** fill in the GPRS report time interval you want, the unit is 10 seconds, 6 represents one minute is recommended.
- **GPRS Report Times:** "No Limit" means no limit for report times. Fill in specific number to control GPRS report times.
- **GPRS Time Zone:** the default time zone is 0. The platform will automatically match the time zone with user's computer system time.

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Items	Descriptions
GPRS	Close: Close GPRS upload time. TCP: TCP is a stable connection. It is recommended to use this model. UCP: UCP can save rates, but is a less stable option.
IP/Domain	Set main server's IP address and port number.
Backup IP/Domain	Backup server's IP address and port number to avoid losing data when main server is down.
APN, APN Username, APN Password	Max 32 bytes. If no username and password, leave them blank. China Mobile APN: CMNET, China Unicom APN: NINET, no username and password.
GPRS Time Interval	Track by time interval via GPRS Set time interval for GPRS tracking, in 10 seconds (fill in 6 means 60 seconds) = 0, cancel GPRS tracking by time interval; max time interval = 65535*10 seconds.
GPRS Report Times	= 0, no limit, unlimited times for report; = [1,65535], set report times, tracker will stop reporting when reaching the preset times.
GPRS Time zone	GPRS time zone minute = 0, GMT 0 (default) GPRS time zone minute = [-32768,32767], set different time zones.
GPRS Timing Report (Ignition Off)	This function is only for T1; not suit for MT90 and TC68. After the Input 3 of T1 connected with ACC and set this function, the GPRS data can be sent by different time interval while the engine is ON/OFF. Setting GPRS Timing Report (Ignition Off), the unit is 10 seconds(Set 6 means 60 seconds). = 0, cancel the GPRS Time Interval; Max Time Interval=65535*10 seconds
Event Report	List all the GPRS events, it was showed by different way by different items.
GPRS	While the event which were set happened, the device will send the corresponding GPRS event report to the server.
Sound Reminders (TC68 Only)	This function is only for TC68. While the event which were set happened, The build-in buzzer of TC68 will make a sound to remind.
Save	Save current settings to the tracker.

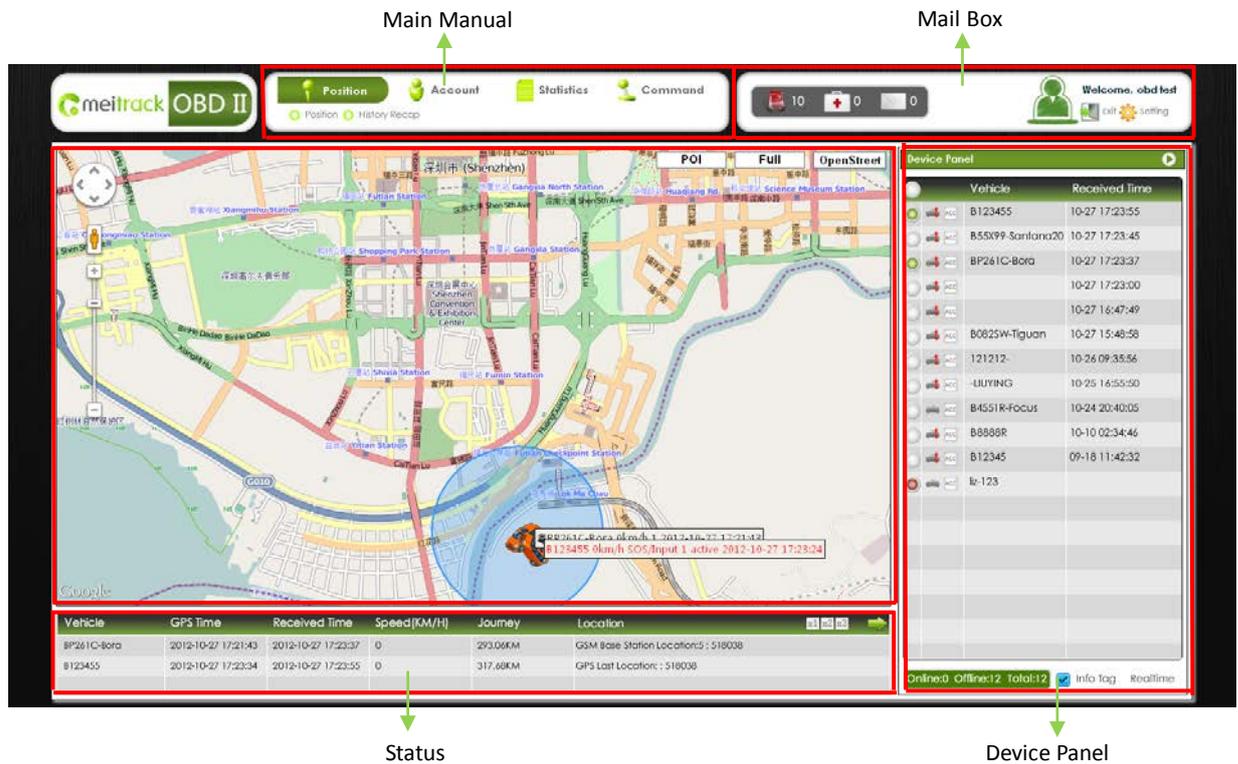
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3 Software Function

3.1 Position

There are two parts : Position and History Recap.

3.1.1 Position



3.1.1.1 Maps

Maps show on the main page, you can choose Map , Satellite, Chinese Map, and enclosed choice Geography.

On the right top of the map, Full Screen can make the map Max, suit for control center and big screen.

POI(Point of Interest): POI is mainly for locations on the map without detailed address or buildings without mark.

You can also create POI on locations where you often use in order to recognize them more conveniently.

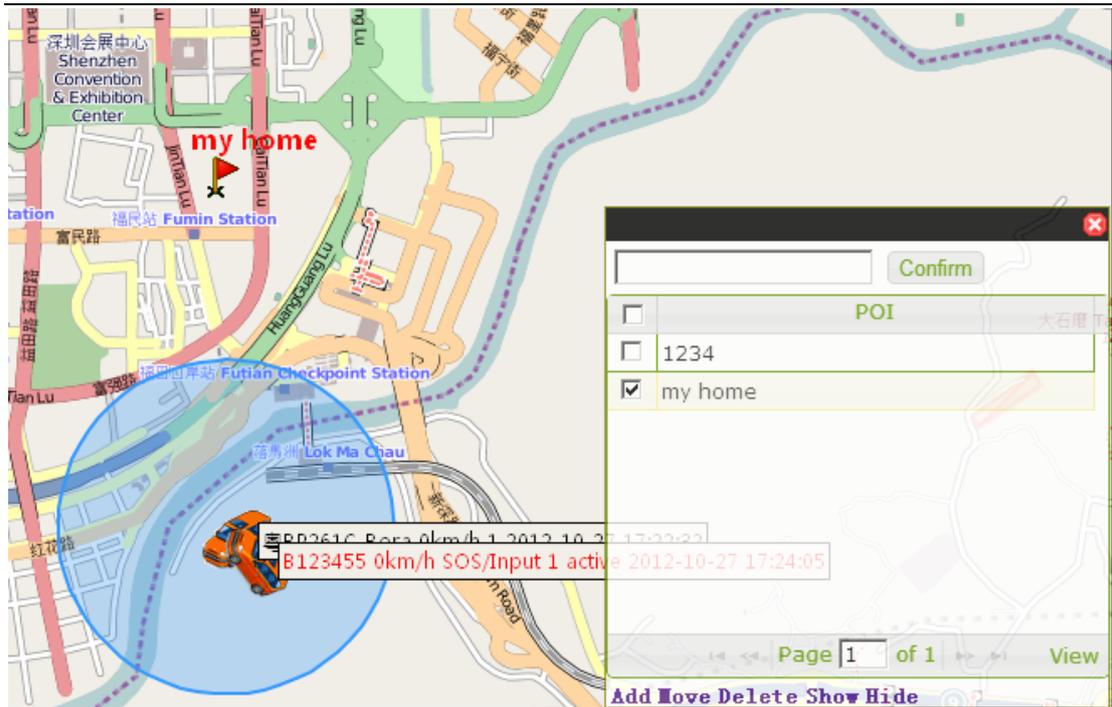
Click "Point Of Interest" menu, the " Point Of Interest" dialog window will pop up.

1) Search POI

You can quickly search POI you've added already.

Enter the name of POI you want to search, then click "Sure" to search, all results will be shown.

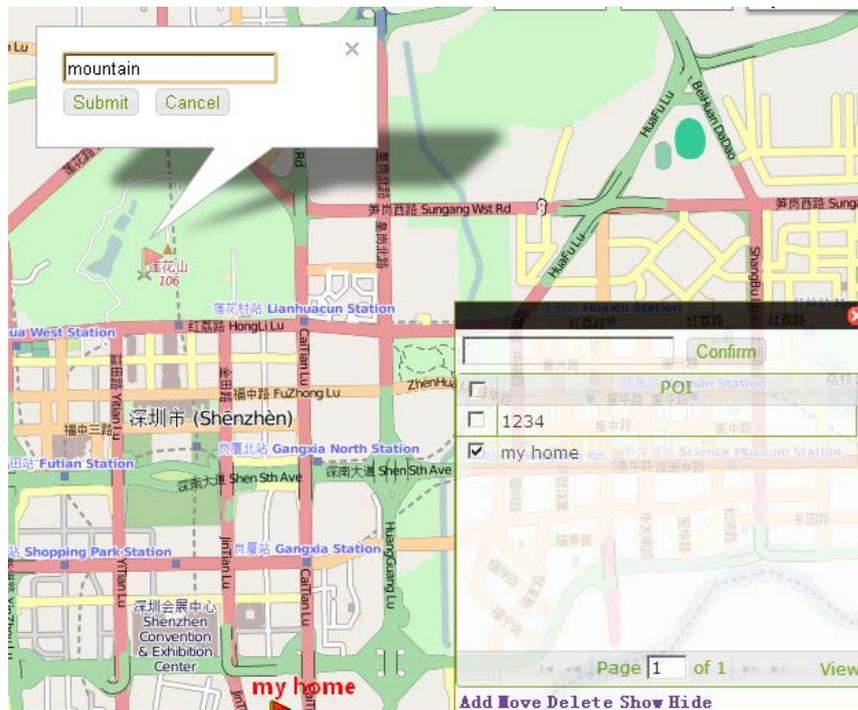
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2) Add New POI

Please drag the map of main interface to the destination before adding a new POI, which will be much convenient to choose the point.

Click "Add", then click mouse at the point you want add POI, it will pop up a dialog window to inform entering POI name, then click "Submit".

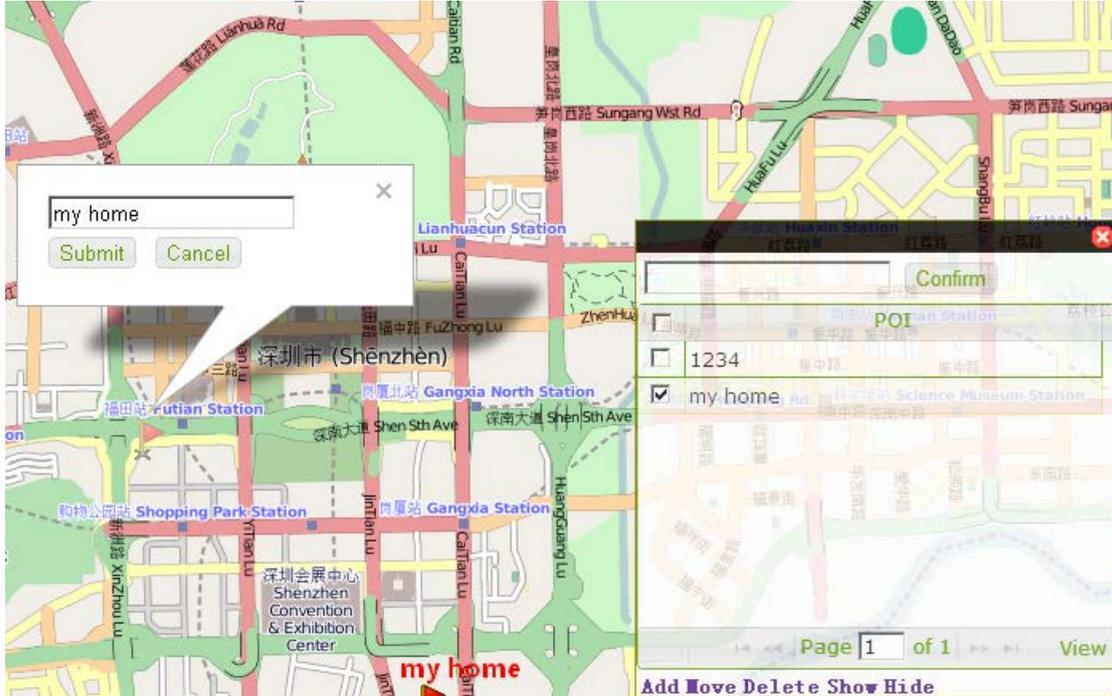


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3) Move POI

Select POI you want move, click "Move", there will be a light red flag on the map where you can put the POI.

Move mouse to select, click it to enter name. If you don't want to change name, click "Submit". The old POI will disappear after it was moved.



4) Delete POI

Select the POI you want to delete, click "- Delete", then "Sure".

5) Show Selected POI

Select all POI you want to show, click "Show", all POI you selected will show on the map.

6) Hide POI

If you want to hide POI on the map for a while, select the POI you want to hide, then click "Hide".

3.1.1.2 Setting Device Panel

Device Panel is for checking vehicles, shown the vehicles' status of GPRS, Engine ON/OFF, the Last Uploading Time, Numbers of Vehicles Online/Offline/Amount, etc.

Item	Description
Pick On Vehicle	<p>Choose the Vehicles needed to be shown on the map</p> <p>Picked on:  Not Picked On:  Vehicle is not available: </p> <p>While the device did not upload any data onto the system, it is shown not available status</p>

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<p>GPRS Online Status/Alarm Status</p>	<p>It shows if the devices connected with the GPS System, if not uploading any data within 10min, it will be shown offline.</p> <p><i>(Note: While the device enter into the area without GSM signal, shutdown by low power or man-made, it means GPRS offline anomaly. The GPS Tracking System can not identify the status of GPRS is offline, so it shows still online. After 10min it shows actual status.)</i></p> <p>Online:  Offline: </p> <p>Online and Alarms not Remove: </p> <p>Offline and Online and Alarms not Remove: </p>
<p>Engine ON/OFF</p>	<p>Shows the engine on/off</p> <p>ON:  OFF: </p>
<p>Name of Vehicle</p>	<p>Shows the name of the vehicle, it is suggested name it as License NO.+ Item NO. of Vehicle.</p> <p>Example:  B8888R-FOX 2012</p>
<p>Time of Receipt</p>	<p>Show the last Time of Receipt, help to analysis</p> <p>Form: Month-Date Hours:Min:Sec Example: </p>
<p>Online Summary statistics</p>	<p>Shows the amount for the vehicles by online/offline</p>
<p>Vehicle Tag ON/OFF</p>	<p>Shown the data while chosen</p> <p>Not shown the data while not chosen</p> <p>Example: </p>
<p>Real-time Tracking</p>	<p>Real-time Tracking is showed by button, it will get several dialog while clicked, to check the chosen vehicles. The speed is related to the Timing or Interval of the reception.</p> <p>If need to tracking more closer, short the tracking timing interval .</p>

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Realtime tracking(B123455)
✕



Adjust the window by dragging

Click any data point, it shows the Speed and Time of Receipt



Fault Alarm	<p>While the vehicle get Fault, the Fault Alarm shown.</p> <p>Information: Name of Vehicle, GPS Time, Freeze Frame, Address, Fault Record, etc. Please click Mark to clean the fault while fix the problem.</p>
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Contraction Section	<p>If need to hide the Device Panel, click the Button </p> <p>To recover , please double click the green scroll.</p>

3.1.1.3 Status

There are two parts: Details and Uploading Report .

Click  and  to changing-over the two column.

If need to zoom in the column, please click x1 x2 x3 buttons.

- Details: Shows Name of Vehicle, GPS Time, Time of Receipt, Speed, Mileage, Address, etc.

Vehicle	GPS Time	Received Time	Speed(KM/H)	Journey	Location
B4551R-Focus	2012-10-29 11:24:09	2012-10-29 11:24:28	0	35582.90Miles	GPS Last Location:90 Puti Rd, Futian, Shenzhen, Yuen Long District, Gu...
B123455	2012-10-27 19:28:05	2012-10-27 19:28:18	1	208.22Miles	GPS Last Location:5 Yingshui 2nd Road East 9th Alley, Bao'an, Shenzhe...
8P261C-Bora	2012-10-28 09:36:14	2012-10-28 09:57:00	0	183.17Miles	Getting Address.....

- Uploading Report: Shows the information list of the device data updated, including Time, Name of Vehicle, Type of Report.

Received Time	Vehicle	Upload Report

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3.1.1.4 Mailbox



Alarm Message, Vehicle Fault Alarm and System Information shows in the Mailbox on the left side.

- Alarm Message: Enter/Exit GPS Blind Area, Disassemble, Low Power, Over Speed, SOS, Turn On, Turning, Enter/Exit Geo-fence, External Power ON/OFF, Enter/Exit Sleep Mode, GPS Antenna Cut OFF, Abrupt Deceleration/ Rapid Acceleration, Over speed Value of Engine Revolution, Parking Overtime without Lgnition Off, Fatigue Driving, Engine Overheat, Maintenance Reminding, etc.
- Vehicle Fault Alarm: Fault Alarm
- System Message: System Notice

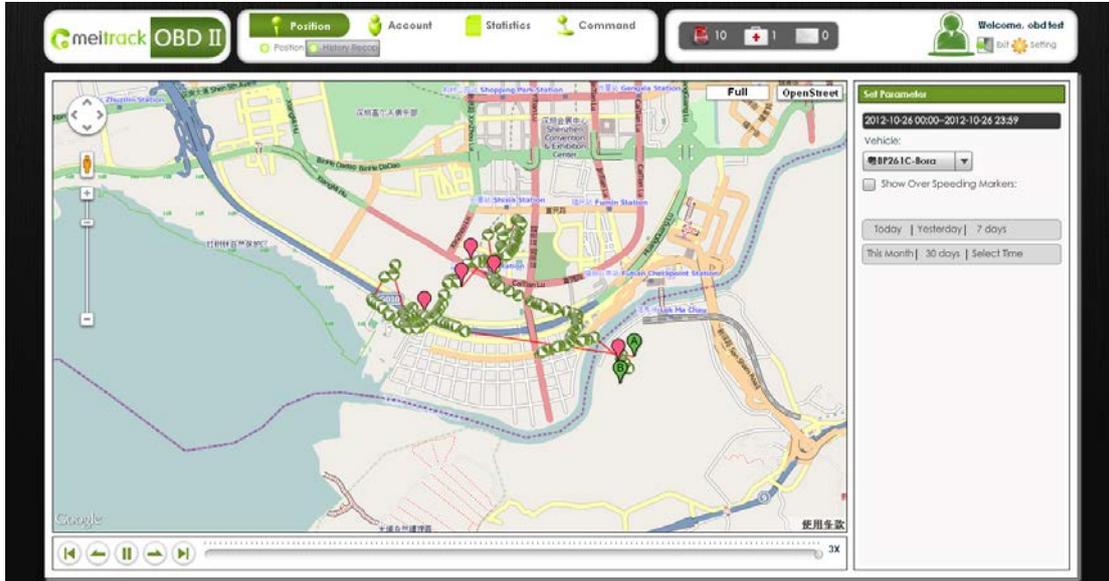
Exit Button is on the right side, the settings as below:

- Language: Chinese, English
- Map: Google Map, MapABC
- Time Zone: Setting the time zone shows in the reports to adjust your time zone, Default time as your computer system.

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3.1.2 History GPS Log

Choose "Position" -> "History Report"



Map and the Play button are on the left, and you can set the parameter on the right.

Item	Description
Full Screen	Click "Full Screen" to max the map, it is for the control centre.
Play Button	Play and control the speed of playing. The speed of playing: 1X, 2X, 3X, 4X, 5X  Back to Beginning Slower Play Pause faster Go to the End
Time Range	Form: Year-Month-Date Hours - Min 2012-10-16 00:00--2012-10-16 23:59
Name of Vehicle	Select the vehicles you want to check the status
Smart Time	Today: Choose today's time range among 0:00 – 11:59
	Yesterday: Choose yesterday's time range among 0:00 – 11:59
	Last 7 Days: Choose last 7 days' time range.
	This Month: Choose the 1 st to the present date.
	Last 30 days: Choose the last 30 days from the date to the present date.
	Custom Date: Click and choose the starting time and the ending time , then click "Check" to play

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3.2 Account Centre

Account centre includes “Vehicle Management” and “Device Management”. Vehicles and terminals add/delete/modify operation.

- Login the user account by IMEI number, the system will automatically create the good name of the IMEI number of the vehicle and device.
- User application account, please use the following steps to add the device.

Add the terminal , please follow these steps:

1. Add vehicles: select “Account Centre” -> “Vehicle”, fill the vehicle brand, model, configuration, engine number, date of purchase and vehicle license, click on the “add my new car”.

Brand	<input type="text" value="Eagle"/>
Model	<input type="text" value="Premier"/>
Car Name	<input type="text" value="1989"/>
VIN	<input type="text"/>
Bought Date	<input type="text" value="2012-10-27"/>
License Plate	<input type="text"/>

2. Terminal: select “Account Center” -> “Device Manager”, fill out the terminal ID, terminal password, the SIMS card number remarks (for remarks properties of the terminals), click “OK”

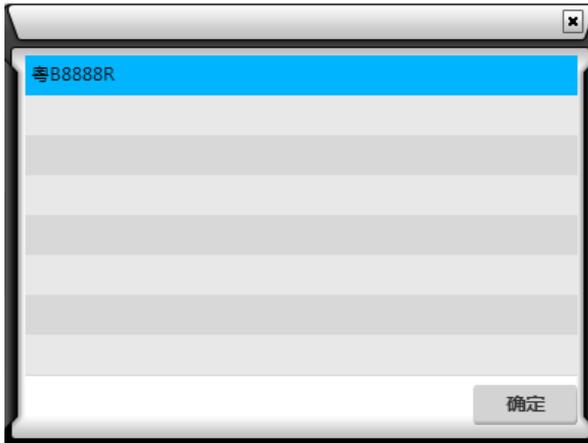


The screenshot shows a dialog box titled "Add new" with a close button (X) in the top right corner. It contains four input fields: "Device", "Password", "Phone Number", and "Remark". A "Confirm" button is located at the bottom right of the dialog box.

3. Authorized: just click on the “authorization” button to add the terminal corresponding line vehicles added in step 1 and click “OK” in the pop-up window. After successful authorization, the name of the vehicle corresponding to the terminal will display the name of the successful authorized vehicles.

DeviceID	Vehicle	Password	Phone Number	Remark	Actions
863070010011699		00000	1234678902		<input type="button" value="Authorize"/> <input type="button" value="Delete"/> <input type="button" value="Update"/>

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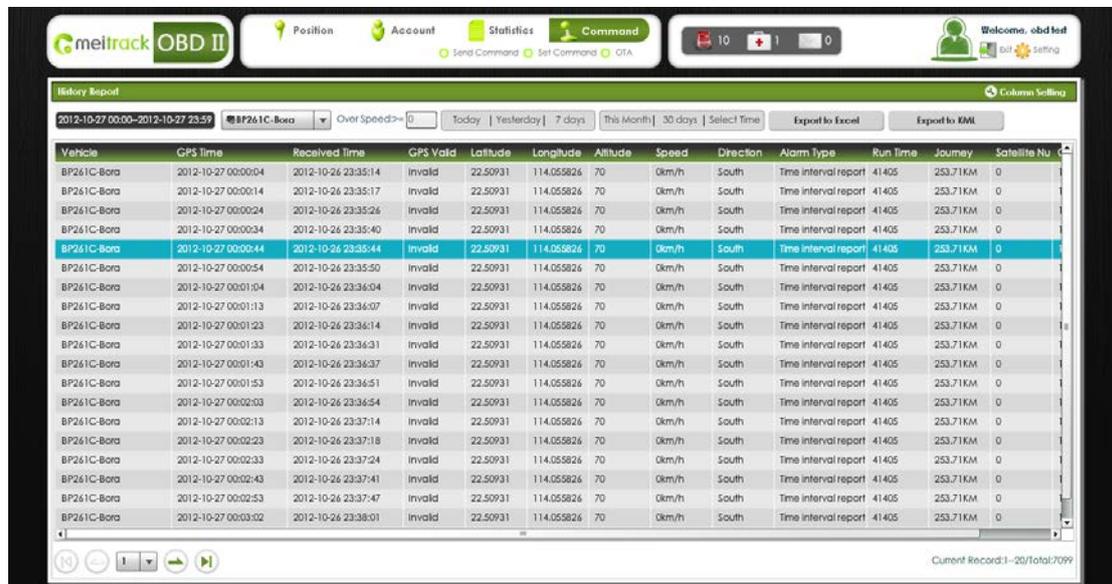


DeviceID	Vehicle	Password	Phone Number	Remark	Actions
863070010011699		0000	12346/8902		Authorize Delete Update
863070010229310		0000	12346/890		Authorize Delete Update
863070010099935		0000	12346		Authorize Delete Update
863070010099694		0000	1395314 078		Authorize Delete Update
863070010099686	3455 R-FOCUS	0000	13969701038	B451R	Cancel Authorize Delete Update
863070010099663	355X99-Scntana2000	0000	2132123132123		Cancel Authorize Delete Update

3.3 Statistics Centre

3.3.1 History Record

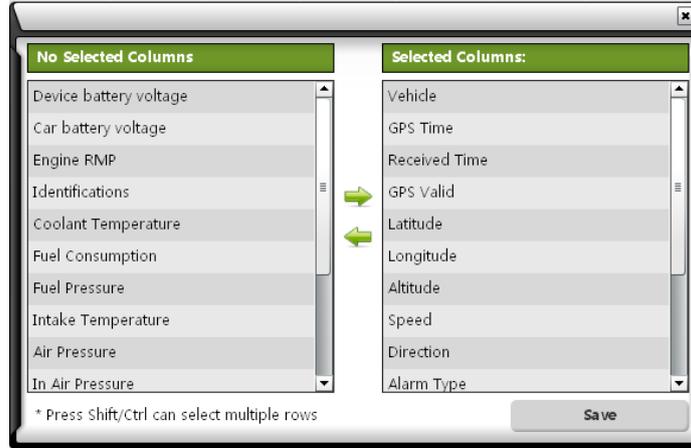
History Report is different from the historical track playback function, the raw data for viewing and analysis.



Item	Description
Set the field	The default display fields: vehicle name, GPS time receiver time, GPS validity, latitude, longitude, altitude, speed, angle, type of alarm. Click on the upper right corner of the "setting the field", the following window pops up.

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The left as first column, the right side of the column have chosen. Select the “Save” button.



Selection methods:

- 1) Double click: double-click the left “non chosen field”, will be selected automatically to the right “has been chosen fields. Double-click the right side of the “selection field” automatically removed to the left “non chosen field”.
- 2) Shift re-selection: single point to the selection of the first field, long hold down the Shift key, then click on the last field, to complete the re-selection, then click on “transfer button” all added to the right side of the “chosen field”.
- 3) Ctrl multiple selection: long hold down the Ctrl key, click the field you want to add, and then jumping selection. Then click the transfer button “add all to the right” has been selected fields.

Time Range	Displays the selected time range, in the format: Year-Month-Day Hour-Minutes 2012-10-16 00:00--2012-10-16 23:59
Vehicle Name	To query the vehicle is selected from the list of all vehicles.
Intelligent Time	Today: Select the time period of the day 00:00-11:59
	Yesterday: Select the previous day 00:00-11:59 time period
	Last seven days: Select from the day to push forward the week, the unnatural week.
	Month: Select from the 1 st of this month to the day of the time period, is a natural month.
	Last 30 days: Forward in 30 days starting from the day cycle, unnatural month.
Custom time: Click after manually select the start and end time, and click “Query” to start playing.	
Export file	Export to Excel: Export query results to an Excel file for backup record.
Turn to Next Page	Flip tools to turn the page  First page Previous page Direct to page Next page Last page
Quantity records	Show present range, the total number of records is displayed. Such as: the current record of 81-100/5866 rows.

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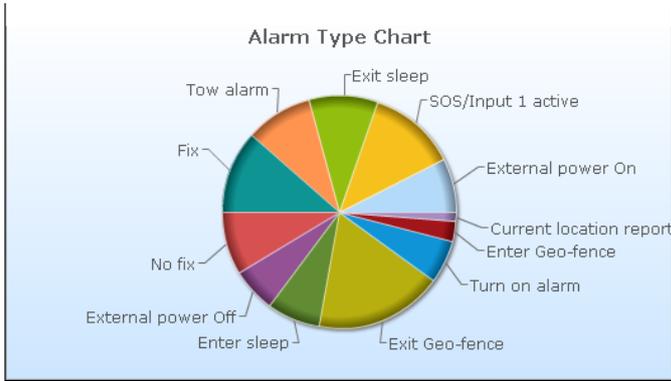
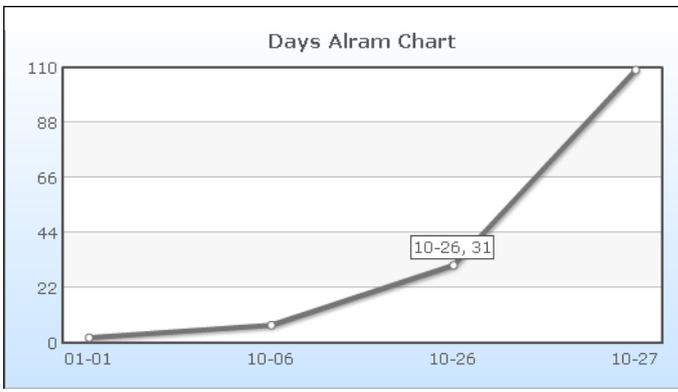
3.3.2 Alarm Records

The alarm logging some alarm on driving behavior include and not limited to as follows: forward / GPS blind spots, disassemble, low power, speeding, SOS distress, power, turning into / out of the electronic fence, an external power supply is turned on / off, to enter / exit the sleep mode, the GPS antenna disconnect hard acceleration / rapid deceleration, engine speed is too high, parking is not flame too long, fatigue driving, the engine water temperature is too high, maintenance tips, and ect.



Item	Description
Time Range	Displays the selected time range, in the format: Year-Month-Day hour-Minutes 2012-10-16 00:00--2012-10-16 23:59
Vehicle Name	To query the vehicle is selected of all from the list of all vehicles.
Event Type	Select the type of event that you want to query multiple choices. Chosen to be equal to select all default to select all.
Intelligent Time	Today: select the time period of the day: 00:00-11:59
	Yesterday: select the previous day 00:00-11:59 time period.
	Last 7 days: Select from the day to push forward the week, the unnatural week.
	Month: Select from the 1 st of this month to the day of the time period, is a natural month.
	Last 30 days: forward in 30 days starting from the day cycle, unnatural month.
Alarm Classification Chart	Custom time: click to start playing manually select the start and end time, click "Query" to start playing.
Alarm Classification Chart	This classification is presented by pie chart which shows the proportion of various alarm.

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Alarm Curve Chart	<p>The alarm picture daily number of movements in the last week to reflect how much of the alarm, mouse hanging on the node will display a specific date and the quantity.</p> 
Alarm Raw Data	<p>Contains the vehicle name, GPS time, the reception time, the GPS validity, latitude, longitude, alarm type, etc.</p>
Turn to Next Page	<p>Flip tools to turn the page</p>  <p>First page Previous page Direct to page Next page Last page</p>
Contraction Part	<p>To hide the Device Manager Panel, click on the upper right corner of the panel "contraction button" which can be realized contraction. For recovery, double-click the hidden part green bar.</p>
Quantity records	<p>Show present range, the total number of records is displayed. Such as: the current record of 81-100/5866 rows.</p>

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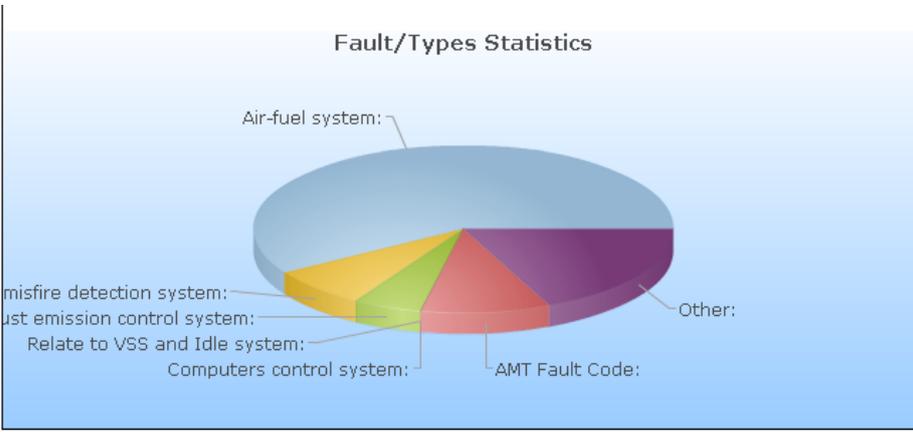
3.3.3 Fault Records

Failure record mainly focus on car failures, which is the highest level of alarm information.



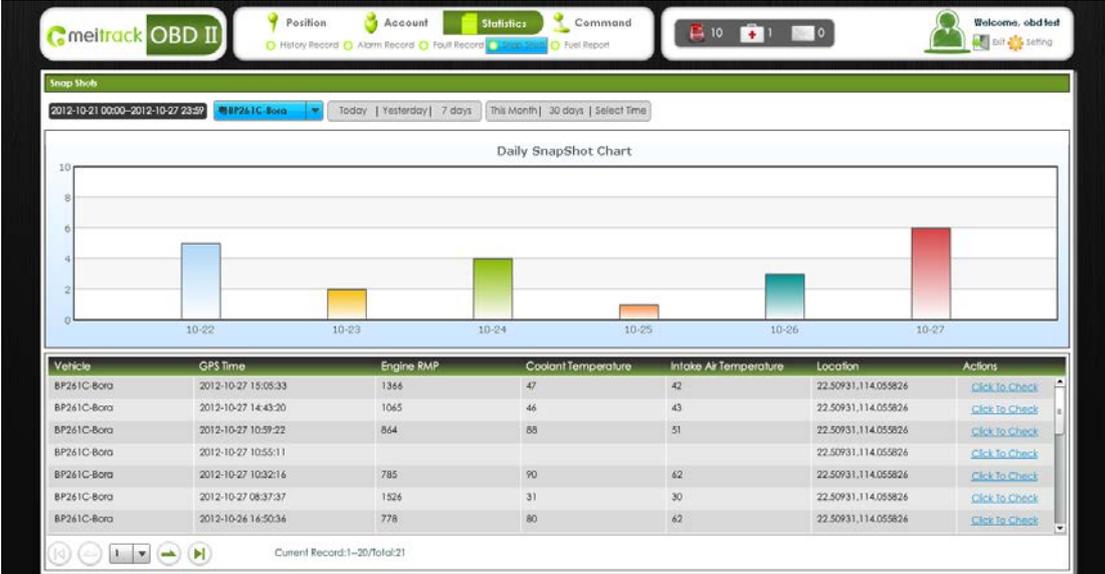
Item	Description
Vehicle List	All vehicles displayed on the left has been added, the default is the first car. Click for selection. It shows in car's brand LOGO also combines with name.
Time Range	Displays the selected time range, in the format: Year-Month-Day Hour-Minutes <div style="background-color: #333; color: white; padding: 5px; display: inline-block;">2012-10-16 00:00--2012-10-16 23:59</div>
Intelligent Time	<p>Today: select the time period of the day: 00:00-11:59</p> <p>Yesterday: select the previous day 00:00-11:59 time period.</p> <p>Last 7 days: Select from the day to push forward the week, the unnatural week.</p> <p>Month: Select from the 1st of this month to the day of the time period, is a natural month.</p> <p>Last 30 days: forward in 30 days starting from the day cycle, unnatural month.</p> <p>Custom time: click to start playing manually select the start and end time, click "Query" to start playing.</p>
Failure Distribution	<p>The distribution of the specific number of the fault is displayed.</p> <div style="background-color: #333; color: white; padding: 10px;"> <p>DTCS number: 131 Relate to VSS and Idle system: 0</p> <p>Air-fuel system: 77 Computers control system: 0</p> <p>Ignition and misfire detection system: 10 AMT Fault Code: 13</p> <p>Exhaust emission control system: 7 Other: 24</p> </div>

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<p>Daily Number of Failures Statistics</p>	<p>The day failure statistics are based on the date of statistical unit to display the number of faults.</p> 
<p>Failure Classification Statistics</p>	<p>The failure classification statistics mainly conducts statistics, reflecting the proportion of different faults.</p> 

3.3.4 Snapshot

When the car starts to generate a snapshot for the current state of the inform engine.



The screenshot shows the Meitrack OBD II interface. At the top, there are navigation tabs for Position, Account, Statistics, and Command. Below this is a 'Snap Shots' section with a date range filter (2012-10-21 00:00-2012-10-27 23:59) and a dropdown menu for 'BP261C-Bora'. The main area displays a 'Daily SnapShot Chart' with a bar chart showing data for dates 10-22 through 10-27. Below the chart is a table with the following data:

Vehicle	GPS Time	Engine RMP	Coolant Temperature	Intake Air Temperature	Location	Actions
BP261C-Bora	2012-10-27 15:05:33	1366	47	42	22.50931,114.055826	Click To Check
BP261C-Bora	2012-10-27 14:43:20	1065	46	43	22.50931,114.055826	Click To Check
BP261C-Bora	2012-10-27 10:59:22	864	88	51	22.50931,114.055826	Click To Check
BP261C-Bora	2012-10-27 10:55:11				22.50931,114.055826	Click To Check
BP261C-Bora	2012-10-27 10:32:16	785	90	42	22.50931,114.055826	Click To Check
BP261C-Bora	2012-10-27 08:37:37	1526	31	30	22.50931,114.055826	Click To Check
BP261C-Bora	2012-10-26 16:50:34	778	80	42	22.50931,114.055826	Click To Check

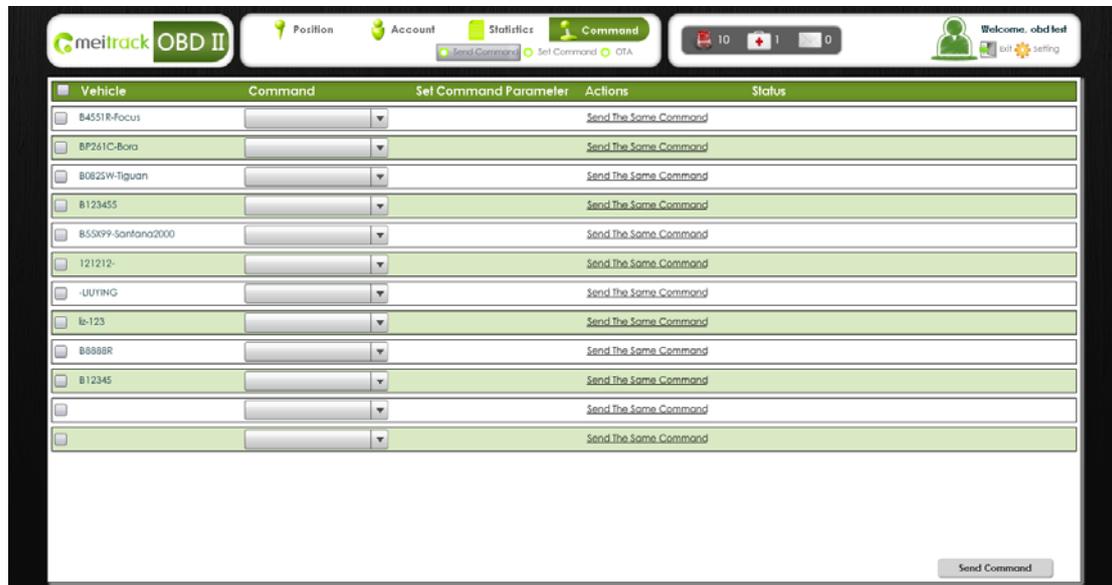
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Contraction Part	To hide the Device Manager Panel, click on the upper right corner of the panel “contraction button  ” which can be realized contraction. For recovery, double-click the hidden part green bar.
Quantity Records	Show present range, the total number of records is displayed. Such as: the current record of 81-100/5866 rows.

3.4 Command Centre

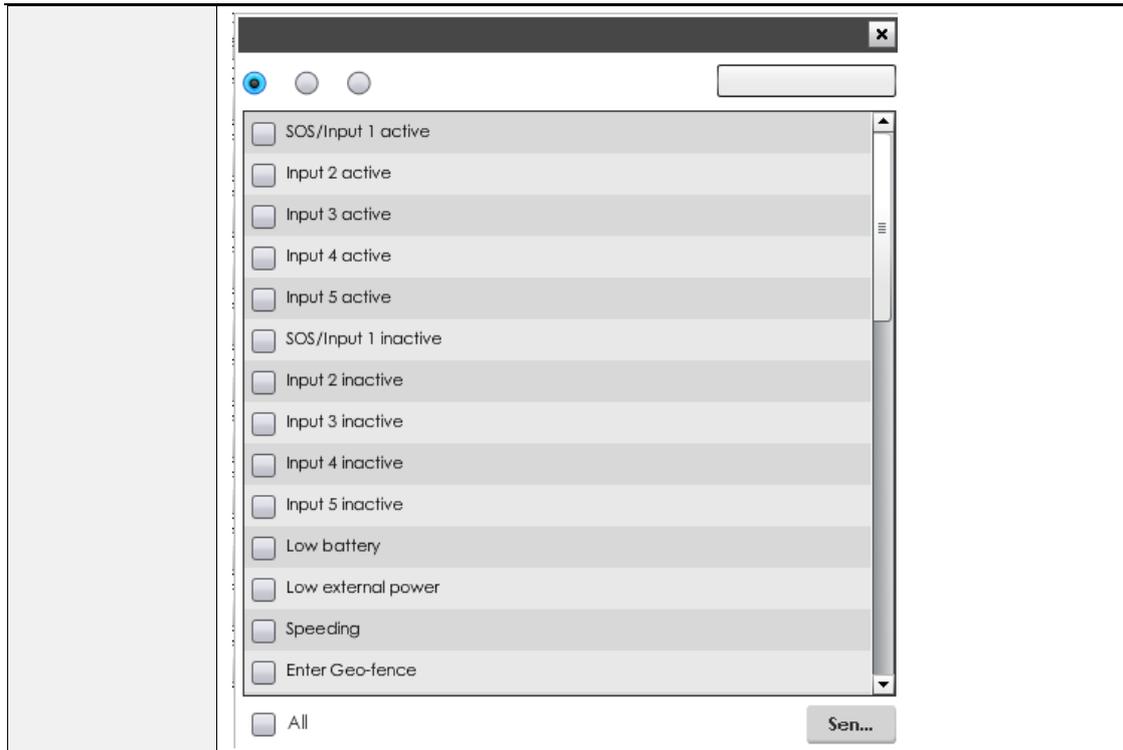
3.4.1 Sending command

Sending command is mainly used for the interaction between platform and device, including inquire status and modify parameters.



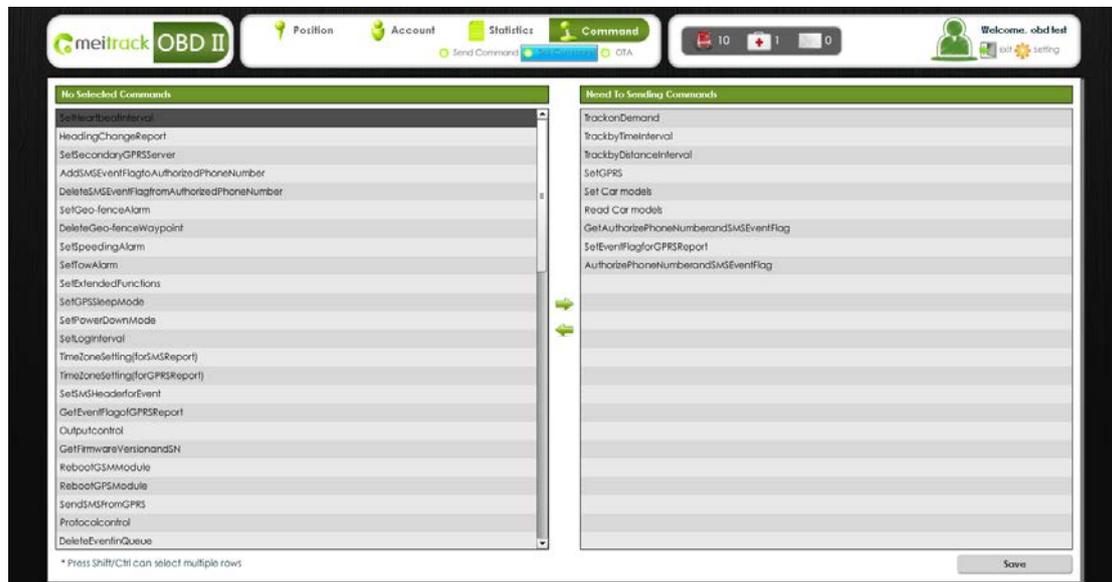
Item	Description
Chosen status	Chosen: <input checked="" type="checkbox"/> Un-chosen : <input type="checkbox"/>
Vehicle Name	Shows the corresponding vehicle
Command	Select command type
Setting Command Parameter	If command parameter need to be written, the window will jump up for corresponding content.
Operation	“Choose and send the same command” is for all chosen devices.
Status	Shows the process of command conduction and result.
Pop-up Window	Authorization number for read/set SMS read/set GPRS event code functions, the platform displays the results will pop.

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3.4.2 Setting Command

Applied in setting page" sending command", "command" column shows the command content.



Selection methods:

- 1) Double click: double-click the left "non setting command", will be selected automatically to the right "shown command". Double-click the right side of the "selection field" automatically removed to the left "non setting command".



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2) Shift re-selection: single point to the selection of the first field, long hold down the Shift key, then click on the last field, to complete the re-selection, then click on “transfer button →” all added to the right side of the “setting command”.

3) Ctrl multiple selection: long hold down the Ctrl key, click the field you want to add, and then jumping selection. Then click the transfer button “add all to the right” has been shown command. ”

If you have other question, please send to our email: info@meitrack.com, we will sincerely to help you.