

# **MEITRACK Manager User Guide**

**For MT90/T1/TC68/TC68S/  
MVT100/MVT600/MVT800/  
T311/T322X/T3/T333/MVT380**

## Change History


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## 1 Copyright and Disclaimer

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## 2 Product Overview

The Meitrack Manager software is used to configure parameters, read traces, and implement data backup and restoration for Meitrack terminals.

## 3 Hardware and Software Requirements

- Desktop or laptop whose system is Windows XP, Windows Vista, Windows 7, or Windows 8
- 1 USB cable

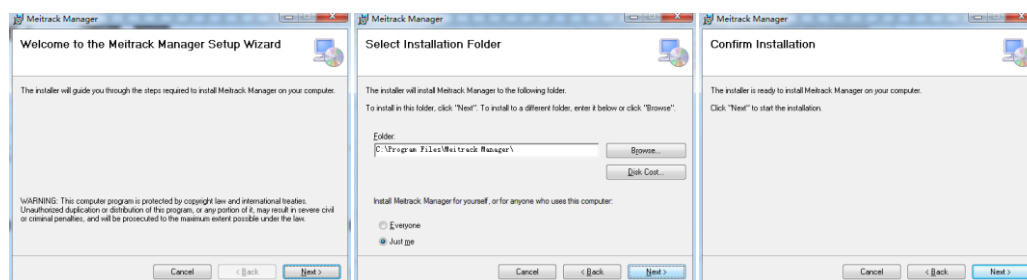


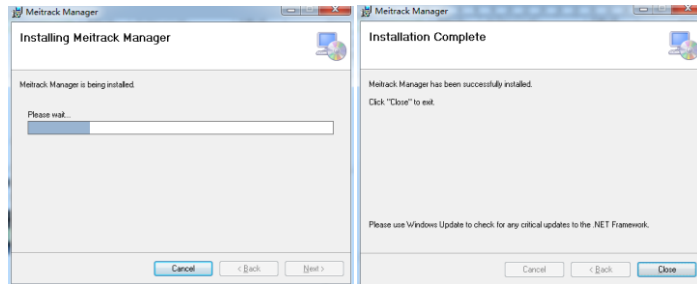
- USB232 driver
- Meitrack Manager

## 4 Installing and Running Meitrack Manager

1. Run **PL2303\_Prolific\_DriverInstaller** to install the driver for the USB cable.  
**PL2303\_Prolific\_DriverInstaller** is in the **USB232 Driver** directory of the product CD.
2. Install Meitrack Manager as prompted.

If .Net Framework 4.0 has been installed, the pages for installing Meitrack Manager are as follows. If not, pages for installing .Net Framework 4.0 will be displayed.



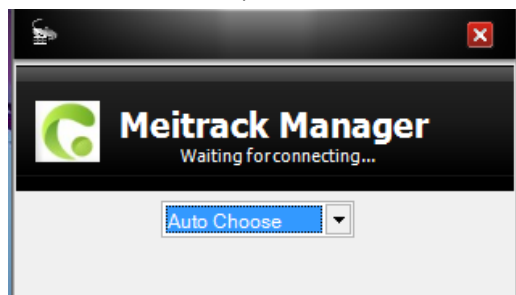


3. Connect the MT90/T1/TC68 to the computer by using a USB cable.



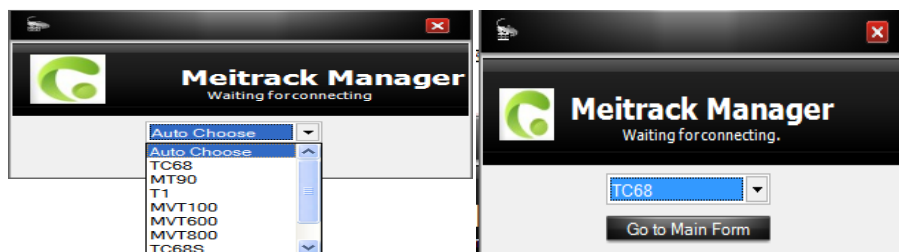
For the T1/TC68, press and hold down the power button for 3s to start the tracker. For the MT90/T322X/TC68S, the tracker will automatically start. If no operations will be performed for the tracker after configurations, shut down the tracker.

4. Run Meitrack Manager. If the tracker is connected to the computer successfully, Meitrack Manager will automatically detect the tracker port number and model and read all tracker parameters.



(If the tracker is connected successfully, ignore the following part.)

If no tracker is connected to the computer, run Meitrack Manager, select a tracker model from the drop-down list, and click **Go to Main Form**.



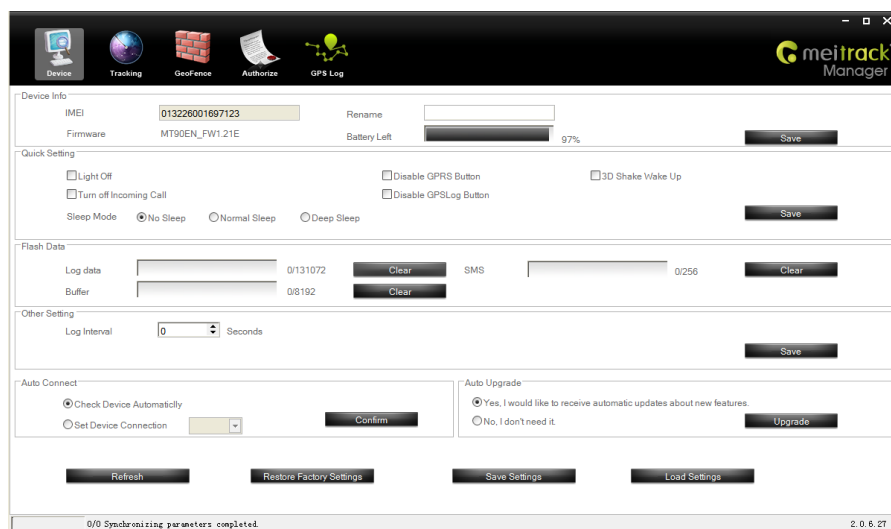
If you select **Auto Choose**, a specified page will be displayed for each tracker. Because Meitrack Manager integrates with 12 tracker models (MT90/T1/TC68/TC68S/MVT100/MVT600/MVT800/T311/T322X/T3/T333/MVT380).

## 5 Functions

This chapter describes the Meitrack Manager functions. Each tracker has unique pages due to different functions.

## 5.1 Tracker Information

The following is the **Device** Page of the MT90:



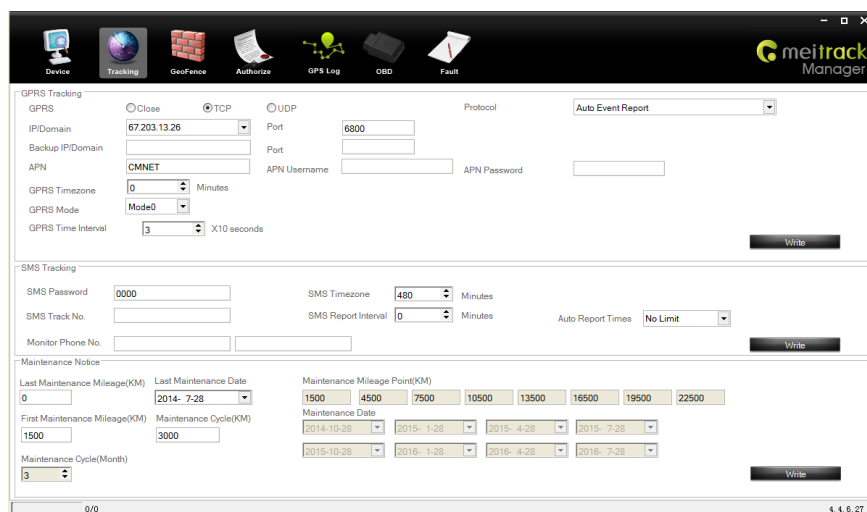
Parameter	Description	Applicable Model
IMEI	Tracker IMEI number. The number is unique and cannot be changed.	All
Rename	Used to identify trackers, not for data transmission.	All
Firmware	Includes the firmware version, tracker model, and firmware creation date. When new official firmware is released, you can compare the new firmware with the existing firmware, and then check whether an upgrade is required. This option is not editable.	All
Battery Left	Indicates the remaining capacity of the internal battery and displayed by percentage.	All
Vehicle Brand	Set the vehicle brand to quickly detect the mapping between the tracker and the vehicle.	TC68
Switch to Meiligao Protocol	The MVT800 is compatible with the Meitrack and Meiligao protocols (default protocol: Meitrack protocol). To change the protocol, click <b>Switch to Meiligao Protocol</b> .	MVT800
Light Off	Turn off GSM and GPS indicators of the tracker. After that, the tracker is easy to hide and tracker power saves, but GSM and GPS running status cannot be detected by the indicators.	All
Disable GPRS Button	After the option is selected, you cannot press <b>Volume -</b> to rapidly enable or disable the GPRS function.	MT90
3D Shake Wake Up	After the option is selected, when the tracker is in sleep mode, it can be woken up by 3D vibration. Default: Not wakeup.	MT90
Turn off Incoming Call	Turn off the rings of phone keys and incoming calls. After that, when you press keys and there is an incoming call, no ring will remind you.	MVT600/T3/T333/T1/MT90/MVT380
Disable GPSLog	After the option is selected, you cannot press <b>Volume +</b> to rapidly	MT90

Button	enable or disable the GPS log function.	
Engine Check Move/Static	This function is only available for trackers. After the option is selected, if the tracker detects that the engine is stopped, the longitude and latitude will not be updated to avoid static drift.	MVT100/MVT600 T1/MVT800/TC68/ TV68S/T311/T3 T333/MVT380
RFID Control Out1	After the option is selected, input 1 can be controlled after the RFID card is swiped. Swiping the card is generally for starting the engine. For details about how to set a control output, see the RFID user guide.	MVT600/T1 T3/T333
Sleep Mode	Three modes: No Sleep, Normal Sleep, and Deep Sleep Normal Sleep: The GSM module always works, and the GPS module occasionally enters the sleep mode (every 5 minutes). Deep Sleep: The GPS module is stopped and the GSM module enters the sleep mode 5 minutes after no actions are triggered.	All
Log Data	The quantity of data recorded by the GPS recorder is displayed in the form of " <i>Recorded data quantity/Total data capacity</i> ". You can click <b>Clear</b> to clear all recorded data. This releases storage space.	MVT100/MVT600 T1/MVT800/TC68/ TC68S/T311/MT90 T3/T333/MVT380
Buffer	Indicates the quantity of GPRS data that is not sent successfully. Displayed in the form of " <i>Cache quantity/Total data capacity</i> ". You can click <b>Clear</b> to clear all caches. Cached data will be sent again when the GSM signal recovers.	All
SMS	Indicates the number of SMSs that are not sent successfully. Displayed in the form of " <i>Cache quantity/Total data capacity</i> ". You can click <b>Clear</b> to clear all caches. Cached data will be sent again when the GSM signal recovers.	All
Fault	When the car fails, the failure will be recorded to the tracker.	TC68
Log Interval	Indicates the recording interval of the GPS recorder. GPS data will be recorded at a specific interval once there is a GPS signal.	MVT100/MVT600 T1/MVT800/TC68/ TC68S/T311/MT90 T3/T333/MVT380
Speedometer	GPS and speed sensor calculation Default: GPS calculation	MVT800
Vehicle transfer coefficient	After the speed is calculated by using the speed sensor, the tracker will automatically calibrate the vehicle speed coefficient. You can also manually set the coefficient.	MVT800
Input2 Trigger Mode	Input 2 can be configured as a high or low level input. It is a low level input by default. Normal input.	MVT800
Input3 Trigger Mode	Input 3 can be configured as a high or low level input. It is a low level input by default for vehicle door detection.	MVT800
Auto Connect	There are the following two modes: <ul style="list-style-type: none"> <li>Automatically detect the port: After the driver is installed correctly and the tracker is connected, the computer will</li> </ul>	All

	<p>automatically detect the corresponding port and the port will be automatically used for Meitrack Manager.</p> <ul style="list-style-type: none"> <li>Manually select the port: If the port cannot be automatically detected, manually select the port.</li> </ul>	
Auto Upgrade	<p>There are two upgrade methods:</p> <p><b>Yes, I would like to receive automatic updates about new features:</b> When the software starts, the server will automatically compare the latest version. If the latest version exists, the software will be automatically upgraded. You are advised to select this option and ensure that the network is connected.</p> <p><b>No, I don't need it:</b> Select this option if customized software is used or you do not want to upgrade software. Click <b>Upgrade</b> to manually compare the software version with the server. If there is new software, the software will be upgraded.</p>	All
Refresh	Read the latest parameters from the tracker to check whether edited parameters are saved successfully.	All
Restore Factory Settings	Restore all tracker parameters to initial settings.	All
Save Settings	Save all parameters of the tracker as a file. The parameter configurations can be used for another tracker.	All
Loading Settings	Read the parameter file saved before. If the file is read successfully, a dialog box asking whether to apply to the current device is displayed. If yes, you had better rename the device.	All
Write	Write values of the parameters in the column to the tracker. If you do not want to affect parameters in other columns, click the button.	All

## 5.2 Tracking

The following is the **Tracking** page of the TC68S:





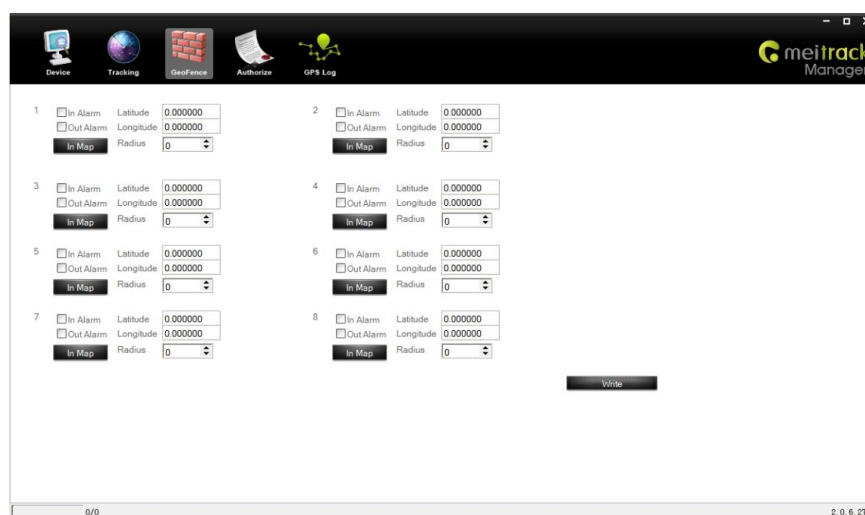
Parameter	Description	Applicable Model
GPRS	<p><b>Close:</b> Disable the GPRS scheduled uploading function.</p> <p><b>TCP:</b> It is a reliable connection mode. You are advised to select this option.</p> <p><b>UDP:</b> It saves traffic but is not reliable.</p>	All
Protocol	<p>Default value: <b>Auto Event Report</b></p> <p>If you want to transmit other events, you must delete <b>Auto Event Report</b> and use the UDP. For details, see the <i>MEITRACK GPRS protocol</i>.</p>	All
IP/Domain and Port	<p>Set the active server IP address and port.</p> <p>You can select an IP address from the drop-down list, for example, 67.203.13.26.</p>	All
Backup IP/Domain and Port	Set the standby server IP address and port. When the active server stops, the tracker automatically sends data to the standby server to prevent data loss. If no standby server exists, clear the two options.	MVT100/MVT600 T1/MVT800/TC68/ TC68S/T311/MT90 T3/T333/MVT380
APN, APN Username, and APN Password	<p>Each parameter has a maximum of 32 bytes. If parameters <b>APN Username</b>, and <b>APN Password</b> are empty, leave <b>APN</b> blank.</p> <p>The APN of China Mobile is CMNET, and the APN of China Unicom is UNINET. Their usernames and passwords are left blank.</p>	All
GPRS Time Zone	<p>When <b>GPRS minute</b> is <b>0</b>, the time zone is <b>GMT 0</b> (default time zone).</p> <p>When <b>GPRS minute</b> is a value ranging from -32768 to 32767, set time zones.</p>	All
GPRS Mode	<p>GPRS mode: ACC ON, ACC OFF, Local, and Roaming</p> <p><b>T1:</b> indicates the data uploading interval which is not restricted by engine status and roaming.</p> <p><b>T2:</b> indicates the data uploading interval when the engine stops or the engine stops in Local mode.</p> <p><b>T3:</b> indicates the data uploading interval when the engine starts in Roaming mode, or the interval which is not restricted by roaming when the engine stops.</p> <p><b>T4:</b> indicates the data uploading interval when the engine stops in Roaming mode.</p>	All
Mode 0	Mode 0 (T1): Parameter <b>T1</b> is the data uploading interval that is not restricted by any condition.	All
Mode 1	Mode 1 (T1 + T2): Parameter <b>T1</b> is the data uploading interval when the engine starts. Parameter <b>T2</b> is the data uploading interval when the engine stops.	MVT100/MVT600 T1/MVT800/TC68/ T333/MVT380 T311/T3/
Mode 2	Mode 2 (T1 + T3): In Local mode, parameter <b>T1</b> is the data uploading interval. In roaming mode, parameter <b>T3</b> is the data	All

	uploading interval.	
Mode 3	Mode 3 (T1 + T3 + T4): In Local mode, parameter <b>T1</b> is the data uploading interval and the interval is not restricted by the engine status. In roaming mode, when the engine starts, parameter <b>T3</b> is the data uploading interval; when the engine stops, parameter <b>T4</b> is the data uploading interval.	MVT100/MVT600 T1/MVT800/TC68/ T333/MVT380/ T311/T3
Mode 4	Mode 4 (T1 + T2 + T3 + T4): In Local mode, when the engine starts, parameter <b>T1</b> is the data uploading interval; when the engine stops, parameter <b>T2</b> is the data uploading interval. In Roaming mode, when the engine starts, parameter <b>T3</b> is the data uploading interval; when the engine stops, parameter <b>T4</b> is the data uploading interval.	MVT100/MVT600 T1/MVT800/TC68/ T333/MVT380/ T311/T3
SMS Password	Indicates the password used for sending an SMS command. Default value: <b>0000</b>	All
SMS Time Zone	The default tracker time zone is GMT 0. You can run a command to change the SMS time zone to the local time zone. The SMS time zone is different from the GPRS data packet time zone. When <b>SMS minute</b> is <b>0</b> , the time zone is <b>GMT 0</b> (default time zone). When <b>SMS minute</b> is a value ranging from -32768 to 32767, set time zones. The unit is minute. For example, set the Beijing time zone to <b>480</b> .	All
SMS Tracking No.	<b>SMS Tracking No.:</b> indicates the phone number received scheduled SMSs. <b>SMS Report Interval:</b> Report a location at an interval by SMS. When the interval is <b>0</b> (default value), disable the scheduled SMS reporting function. When the interval is a value ranging from 1 to 65535, set an interval. The unit is minute. When the number of reporting times is 0, data has being reported. When the number of reporting times is a value ranging from 1 to 255, set the number of reporting times. When the value is reached, reporting stops.	All
Monitor Phone No.	When the authorized listen-in phone number is used to dial the tracker, the tracker answers the call automatically and enters the listen-in state. In this way, the tracker makes no noise. A maximum of two phone numbers can be set. One phone number has a maximum of 16 digits. Phone numbers are empty by default.	All
Last Maintenance Mileage (KM)/Last Maintenance Date	Set the most recently maintenance mileage or date of the vehicle. If the vehicle has never been maintained, set the parameter to <b>0</b> and enter the date when you buy the vehicle.	TC68S

First Maintenance Mileage (KM)/Maintenance Cycle (KM)	Set the two parameters. When the driving mileage reaches the preset limit, a maintenance warning is generated.	TC68S
Maintenance Cycle (Month)	Set the parameter. When the tracker running duration reaches the preset limit, a maintenance warning is generated.	TC68S
Maintenance Mileage Point (KM)/Maintenance Date	<p>Maintenance mileage point = Last maintenance mileage + Last maintenance interval</p> <p>There are eight mileage points in total.</p> <p>Maintenance time point = Last maintenance date + Maintenance interval</p> <p>There are eight maintenance time points in total.</p>	TC68S
Write	Write values of the parameters in the column to the tracker.	All

For details about GPRS settings, see the *MEITRACK SMS Protocol* and *MEITRACK GPRS Protocol*.

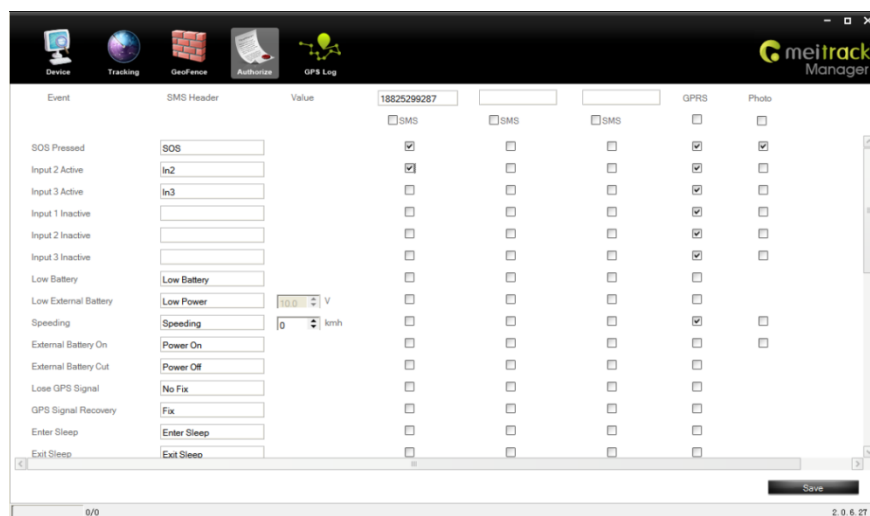
### 5.3 Geo-fence



Parameter	Description
Geo-fence	<p>A geo-fence is a circle. A maximum of eight geo-fences are supported.</p> <p>Enter a geo-fence: If you select <b>In Alarm</b>, an alarm is generated when the tracker enters the preset geo-fence.</p> <p>Exit a geo-fence: If you select <b>Out Alarm</b>, an alarm is generated when the tracker exits the preset geo-fence.</p> <p>You can enter values in <b>Latitude</b>, <b>Longitude</b>, and <b>Radius</b>, or click <b>In Map</b> to draw a geo-fence.</p>
Write	Write values of the parameters in the column to the tracker.

## 5.4 Authorization

The following is the **Authorize** page of the T1:



Parameter	Description	Applicable Model
Event	The selected event report will be sent to the server through GPRS. For details, see the <i>MEITRACK GPRS Protocol</i> and <i>MEITRACK SMS Protocol</i> . For details about event descriptions, see the following table.	All
Value	Indicates an event value. For example, set the speeding event value to 50 km/h. When the driving speed exceeds the preset value, a speeding alarm is generated.	All
Check box under GPRS	Select check boxes as required. After that, if a selected event occurs, a GPRS event report is sent to the server. Note: You can select the first check box, that is, select all events.	All
Check box under Photo	Select check boxes as required. After that, if a selected event occurs, a photo is automatically taken. Note: You can select the first check box, that is, select all events.	MVT600/T1/T3/T333
Write	Write values of the parameters in the column to the tracker.	All

Example: event descriptions

If a check box is selected, the event report will be sent to the server through GPRS.

Event	Description	Applicable Model
Input 1 Active (SOS Pressed)	An alarm is generated when input 1 is activated (or the SOS button is pressed).	All
Input 2 Active	An alarm is generated when input 2 is activated. SMS header: Ignition On: MVT100&T322 Door Open: MVT600&T1&MVT800. Other trackers are not	MVT100/MVT600 T1/MVT800/T322 T3/T333/MVT380

	defined.	
Input 3 Active	An alarm is generated when input 3 is activated. SMS header: Ignition On: MVT600&T1 Door Open: MVT800&T322. Other trackers are not defined.	MVT600/T1/ MVT800/T322 T3/T333/MVT380
Input 1 Inactive (SOS Released)	An alarm is generated when input 1 is not activated (or the SOS button is not pressed).	All
Input 2 Inactive	An alarm is generated when input 2 is not activated. SMS header: Ignition On: MVT100&T322 Door Close: MVT600&T1&MVT800. Other trackers are not defined.	MVT100/MVT600 T1/MVT800/T322 T3/T333/MVT380
Input 3 Inactive	An alarm is generated when input 3 is not activated. SMS header: Ignition On: MVT600&T1 Door Close: MVT800&T322. Other trackers are not defined.	MVT600/T1/ MVT800/T322 T3/T333/MVT380
Low Battery	An alarm is generated when the voltage of the internal battery is lower than 3.5 V.	All
Low External Battery	An alarm is generated when the voltage of the external power supply (vehicle battery) is lower than the preset value. You can change the preset voltage in the <b>Value</b> column.	MVT100/MVT600 T1/MVT800/TC68/ TC68S/T311/T322 T3/T333/MVT380
Speeding	An alarm is generated when the tracker speed exceeds the preset value. You can change the preset speeding value in the <b>Value</b> column.	All
Enter Geo-fence	An alarm is generated when the tracker enters the preset geo-fence.	All
Exit Geo-fence	An alarm is generated when the tracker exits the preset geo-fence. You can change the geo-fence value in the <b>Value</b> column.	All
External Battery On	An alarm is generated when the vehicle battery connects to the tracker. Note: You can directly plug the TC68 or TC68S into the vehicle without any cable.	MVT100/MVT600 T1/MVT800/TC68/ TC68S/T311/T322 T3/T333/MVT380
External Battery Cut	An alarm is generated when the vehicle battery power is cut off. Note: You can plug out the TC68 or TC68S from the vehicle.	MVT100/MVT600 T1/MVT800/TC68/ TC68S/T311/T322 T3/T333/MVT380
Lose GPS Signal	An alarm is generated when the tracker enters the GPS blind spot or no GPS signal is received.	All
GPS Signal Recovery	An alarm is generated when the tracker exits the GPS blind spot or a GPS signal is received.	All

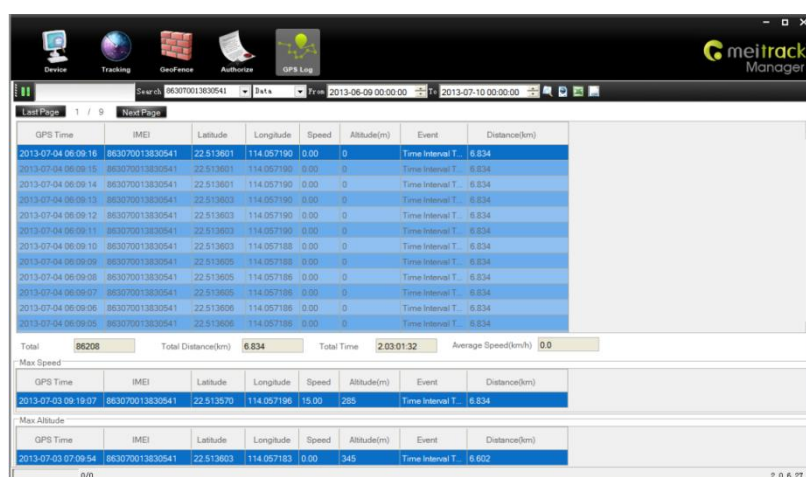
Enter Sleep	An alarm is generated when the tracker enters the sleep mode.	All
Exit Sleep	An alarm is generated when the tracker is woken up from the power-saving mode. You can change the sleep mode in the <b>Value</b> column.	All
GPS Antenna Cut	The external GPS antenna is not connected or is cut off.	MVT100/MVT600 T1/MVT800/T311/T322 T3/T333/MVT380
Device Reboot	An event report is sent when the tracker starts.	All
Heartbeat	Enable the heartbeat report function. You can change the heartbeat packet interval in the <b>Value</b> column.	All
Direction Change	Enable the direction change report function. When the tracker direction change angle is greater than the preset value, a direction change report is sent. You can change the direction change angle in the <b>Value</b> column.	All
Track By Distance	Track by distance You can change the distance in the <b>Value</b> column.	All
Reply Current (Passive)	When the tracker receives a call or an SMS from the authorized phone number, the current location will be responded.	All
Tow	When the tracker enters the deep sleep mode, if the vibration duration exceeds the preset value, a towing alarm is generated. You can change the vibration duration in the <b>Value</b> column.	All
RFID	Connect the tracker to the RFID reader to obtain the RFID.	MVT600/T1 T3/T333
Temperature High	An alarm is generated when the temperature of the temperature sensor is higher than the preset upper limit.	MVT600/T1 T3/T333
Temperature Low	An alarm is generated when the temperature of the temperature sensor is lower than the preset lower limit.	MVT600/T1 T3/T333
Fuel Full	An alarm is generated when the fuel of the fuel sensor exceeds the preset upper limit.	MVT600/T1 T3/T333
Fuel Empty	An alarm is generated when the fuel of the fuel sensor is less than the preset lower limit.	MVT600/T1 T3/T333
Armed	An event report is sent when the arming mode is successfully set for the tracker.	MVT800/TC68S/ T311/T322
Disarmed	An event report is sent when the disarming mode is successfully set for the tracker.	MVT800/TC68S/ T311/T322
Stealing	In arming mode, if the input is activated, it means that the vehicle is stolen. In this way, an alarm is generated.	MVT800/T311/ TC68S/T322
Reject Incoming Call	If the option is selected, when the tracker receives a call	All

	from the authorized phone number, the call will be rejected automatically.	
Auto Answer Incoming Call	If the option is selected, when the tracker receives a call from the authorized phone number, the call will be answered automatically.	All
Fatigue Driving	Enable the fatigue driving function. When the fatigue driving duration exceeds the preset value, an event report is sent. You can change the fatigue driving duration in the <b>Value</b> column.	TC68/TC68S
Enough Rest after Fatigue Driving	Enable the fatigue driving rest function. When the fatigue driving rest duration exceeds the preset value, an event report is sent. You can change the fatigue driving rest duration in the <b>Value</b> column.	TC68/TC68S
Speed Recovery	If the option is selected, when the vehicle speed recovers to the normal speed, an event report is sent.	TC68/TC68S
Maintenance Notice	If the option is selected, when the driving mileage or time reaches the preset value, an event report is sent.	TC68/TC68S
Ignition On	If the option is selected, when the tracker detects that the vehicle starts, an event report is sent.	TC68/TC68S
Ignition Off	If the option is selected, when the tracker detects that the vehicle stops, an event report is sent.	TC68/TC68S
Fast Accelerate	If the option is selected, when the tracker detects that the vehicle accelerated speed reaches the preset value, an event report is sent.	TC68
Fast Decelerate	If the option is selected, when the tracker detects that the vehicle decelerated speed reaches the preset value, an event report is sent.	TC68
RPM High	If the option is selected, when the tracker detects that the engine rotational speed reaches the preset value, an event report is sent.	TC68
RPM Recovery to Normal	If the option is selected, when the tracker detects that the engine rotational speed recovers to the preset value, an event report is sent.	TC68
Idle Overtime	If the option is selected, when the tracker detects that the parking idling duration reaches the preset value, an event report is sent.	TC68
Idle Recovery	If the option is selected, when the tracker detects that the vehicle is driven again, an event report is sent.	TC68
Engine Temperature Overheat	If the option is selected, when the tracker detects that the engine water temperature reaches the preset value, an event report is sent.	TC68
Engine Fault	If the option is selected, when the tracker detects that the	TC68

	vehicle fails, an event report is sent.	
Exhaust Emissions Fault	If the option is selected, when the tracker detects that vehicle emission is abnormal, an event report is sent.	TC68
Health Abnormal	If the option is selected, when the tracker detects that the vehicle check is abnormal, an event report is sent.	TC68

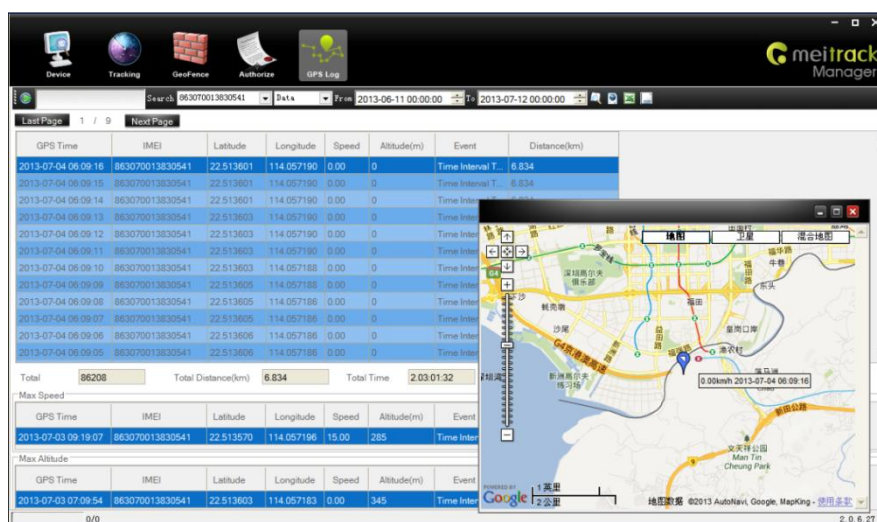
For details about GPRS settings, see the *MEITRACK SMS Protocol* and *MEITRACK GPRS Protocol*.

## 5.5 GPS Recorder




GPS Time	IMEI	Latitude	Longitude	Speed	Altitude(m)	Event	Distance(km)
2013-07-04 06:09:16	863070013830541	22.513601	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:15	863070013830541	22.513601	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:14	863070013830541	22.513601	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:13	863070013830541	22.513603	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:12	863070013830541	22.513603	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:11	863070013830541	22.513603	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:10	863070013830541	22.513603	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:09	863070013830541	22.513605	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:08	863070013830541	22.513605	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:07	863070013830541	22.513605	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:06	863070013830541	22.513606	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:05	863070013830541	22.513606	114.057190	0.00	0	Time Interval T	6.834

Total: 86208 Total Distance(km): 6.834 Total Time: 2:03:01.32 Average Speed(km/h): 0.0




GPS Time	IMEI	Latitude	Longitude	Speed	Altitude(m)	Event	Distance(km)
2013-07-04 06:09:16	863070013830541	22.513601	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:15	863070013830541	22.513601	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:14	863070013830541	22.513601	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:13	863070013830541	22.513603	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:12	863070013830541	22.513603	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:11	863070013830541	22.513603	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:10	863070013830541	22.513603	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:09	863070013830541	22.513605	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:08	863070013830541	22.513605	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:07	863070013830541	22.513605	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:06	863070013830541	22.513606	114.057190	0.00	0	Time Interval T	6.834
2013-07-04 06:09:05	863070013830541	22.513606	114.057190	0.00	0	Time Interval T	6.834

Total: 86208 Total Distance(km): 6.834 Total Time: 2:03:01.32 Average Speed(km/h): 0.0

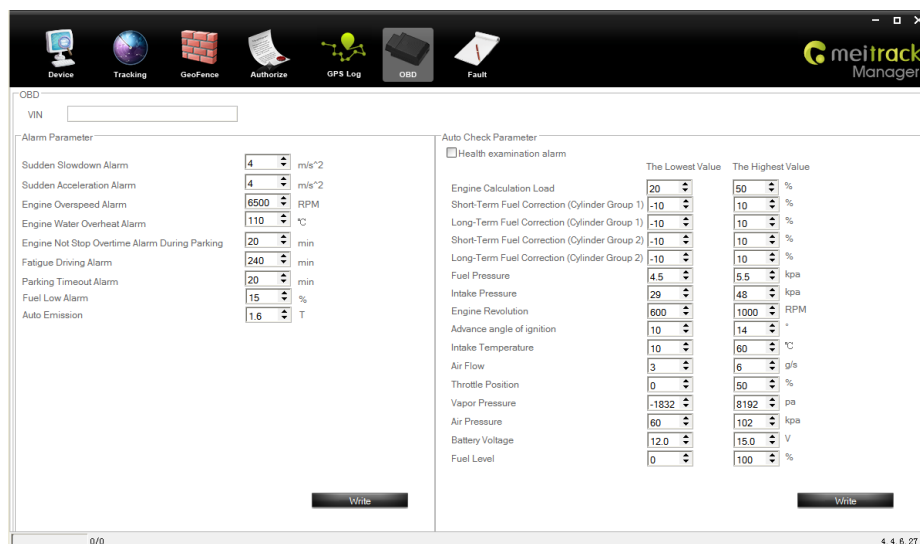
Item	Description	Applicable Model
Reading data	Click  to read data from the tracker to the software. The data will be automatically backed up to the software database.	All
Search	Select a tracker you want to search. If the tracker is renamed, its new name will be displayed. If the tracker is not renamed, its IMEI number is displayed.	All
Data/Route	Select <b>Data</b> or <b>Route</b> .	All



	<p><b>Data:</b> Display locations.</p> <p>The following information will be displayed: <b>GPS Time, IMEI, Latitude, Longitude, Speed, Altitude(m), Event, and Distance(km)</b>. Double-click a piece of data, the current location will be displayed.</p> <p>The following information can also be displayed: <b>Total, Total Distance(km), Total Time, Average Speed(km/h), Max Speed, and Max Altitude.</b></p> <p><b>Route:</b> Display data phase by phase. Device on/start run as a start point, and device off/stop run as an end point.</p> <p>The following information will be displayed: <b>IMEI, Start Time, End Time, History, Mileage (km), and Average Speed (km/h)</b>. Double-click a route, the current route will be displayed in the Map window.</p>	
Time	Select the start time and end time, and click  on the right. The results will be displayed.	All
Export to KML	Export data to a KML file. The file can be opened by Google Earth.	All
Export to Excel	Export data to an xls file. The file can be opened by Excel.	All
Export to CSV	Export data to a csv file. The file can be imported to the database and be opened by third-party software.	All

## 5.6 OBD (TC68 Only)

The function is available for the TC68 only.



Parameter	Description	Applicable Model
VIN	Vehicle Identification Number (VIN) Contains 17 digits or letters.	TC68
Alarm Parameter	Set alarm thresholds.	TC68
Auto Check	Set vehicle self-diagnosis parameters when the engine is on.	TC68


Parameter	Changing the parameters is not recommended to non-vehicle professionals. Use default settings to avoid misinformation. If a parameter value exceeds the preset value when the engine is on, the TC68 will send a check alarm to the server.	
Sudden Slowdown Alarm	An alarm is generated when the vehicle decelerates rapidly. It is used to assess the driver's driving habit. The unit is $m/s^2$ . Value range: [0,255]. When the value is <b>0</b> (default value), disable the Sudden Slowdown Alarm function.	TC68
Sudden Acceleration Alarm	An alarm is generated when the vehicle accelerates rapidly. It is used to assess the driver's driving habit. The unit is $m/s^2$ . Value range: [0,255]. When the value is <b>0</b> (default value), disable the Sudden Acceleration Alarm function.	TC68
Engine Overspeed Alarm	An alarm is generated when the engine rotational speed exceeds the preset value. The unit is rpm. Value range: [0,65535]. When the value is <b>0</b> (default value), disable the Engine Overspeed Alarm function.	TC68
Engine Water Overheat Alarm	An alarm is generated when the engine water temperature exceeds the preset value. The unit is $^{\circ}C$ . Value range: [0,255]. When the value is <b>0</b> (default value), disable the Engine Water Overheat Alarm function.	TC68
Engine Not Stop Overtime Alarm During Parking	An alarm is generated when the engine on time during parking exceeds the preset value. The unit is minute. Value range: [0,1092]. When the value is <b>0</b> (default value), disable the function of the Engine Not Stop Overtime Alarm During Parking.	TC68
Fatigue Driving Alarm	An alarm is generated when the consecutive driving time exceeds the preset value. The unit is minute. Value range: [0,65535]. When the value is <b>0</b> (default value), disable the Fatigue Driving Alarm function.	TC68
Parking Timeout Alarm	An alarm is generated when the parking time exceeds the preset value. The unit is minute. Value range: [0,65535]. When the value is <b>0</b> (default value), disable the Parking Timeout Alarm function.	TC68
Fuel Low Alarm	An alarm is generated when the remaining fuel is less than the preset value. The unit is %. Value range: [0,100]. When the value is <b>0</b> (default value), disable the Fuel Low Alarm function. This function is unavailable for the TC68 because some vehicles' fuel data cannot be disclosed.	TC68
Auto Emission	An alarm is generated when the vehicle emission exceeds the preset value. The unit is T. Value range: [0,255]. When the value is <b>0</b> (default value), disable the Auto Emission function.	TC68
Write	Write values of the parameters in the column to the tracker.	TC68

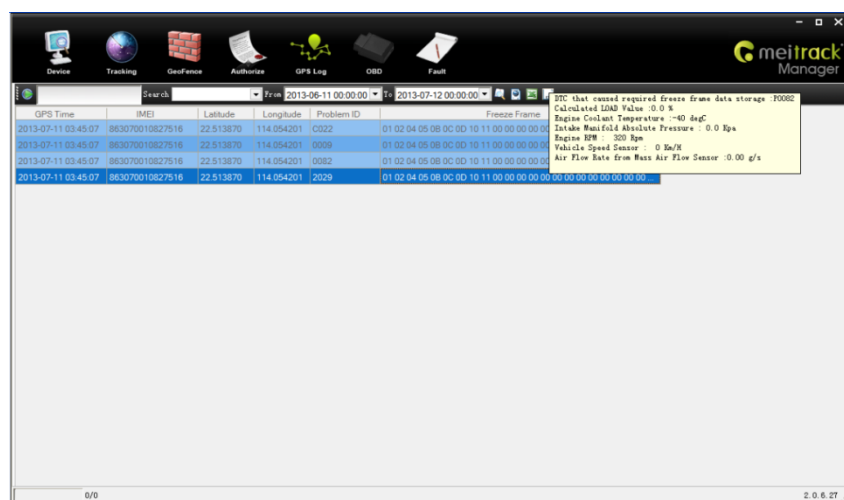
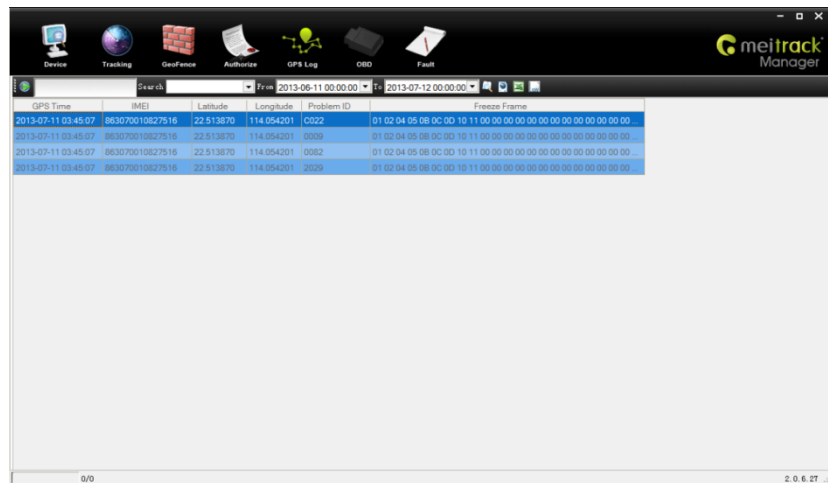
## 5.7 Fault Recording (TC68 Only)


The function is available for the TC68 only.


When the vehicle fails, the failures will be stored to the tracker.

To obtain failures, perform the following operations:

Click  to read data from the tracker to the software, select search criteria (tracker, start time, and end time), and click



Item	Description	Applicable Model
Reading Data	Click  to read data from the tracker to the software. The data will be automatically backed up to the software database.	TC68
Search	Select a tracker you want to search. If the tracker is renamed, its new name will be displayed. If the tracker is not renamed, its IMEI number is displayed.	TC68
Data	The following information is displayed: <b>GPS Time, IMEI, Latitude, Longitude, Problem ID, and Freeze Frame.</b>	TC68

	Click a fault code, the corresponding descriptions will be displayed in the popup window. After a freeze frame is selected, the corresponding descriptions will be displayed in the popup window.	
Time	Select the start time and end time, and click  on the right. The results will be displayed.	TC68
Export to KML	Export data to a KML file. The file can be opened by Google Earth.	TC68
Export to Excel	Export data to an xls file. The file can be opened by Excel.	TC68
Export to CSV	Export data to a csv file. The file can be imported to the database and be opened by third-party software.	TC68

If you have any questions, send an email to [info@meitrack.com](mailto:info@meitrack.com).