

MEITRACK Manager User Guide

**Applicable Model: MT90G/MT90/T1/TC68S/
MVT100/MVT340/MVT600/MVT800/
T311/T322X/T333/MVT380/T355/T622/Trackids**

Change History

File Name	MEITRACK Manager User Guide	Created By	Catherine Zhao
Project	MT90G/MT90/T1/TC68S/MVT100/ MVT340/MVT600/MVT800/T311/ T322X/T333/MVT380/T355/T622/Trackids	Creation Date Update Date	2011-12-14 2016-12-20
Subproject	User Guide	Total Pages	19
Version	V2.7	Confidential	External Documentation

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2 Product Overview

The Meitrack Manager software is used to configure parameters, read historical trips, 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, Windows 8, or Windows 10
- 1 USB cable



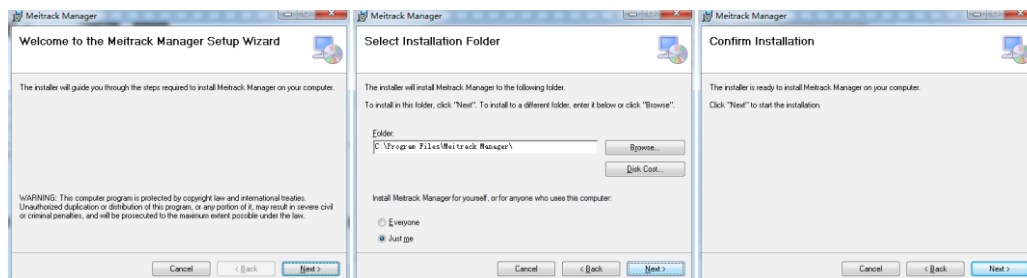
- USB232 driver
- Meitrack Manager

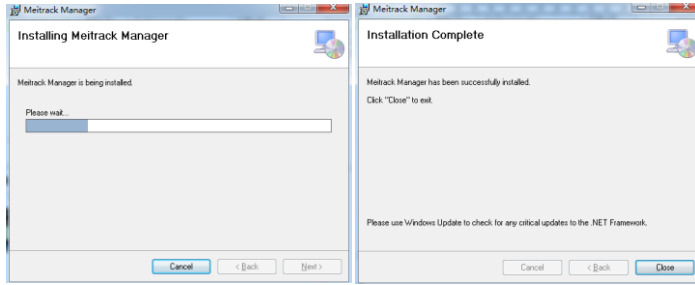
4 Installing and Running Meitrack Manager

1. Run **PL2303_Prolific_DriverInstaller** to install the USB232 driver.
PL2303_Prolific_DriverInstaller is in the **USB232 Driver** directory of the product CD.

2. Install Meitrack Manager as prompted.

Meitrack Manager requires **.Net Framework 4.0** to be installed. If it is not installed, the system will prompt to do so.



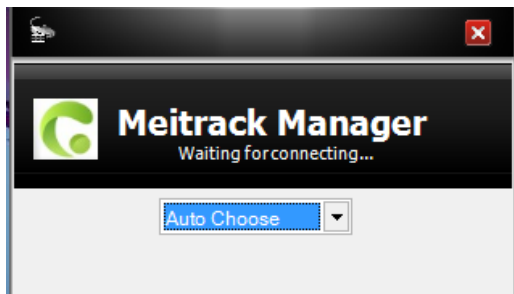


3. Connect the MT90/T1/T333 to the computer by using a USB cable.



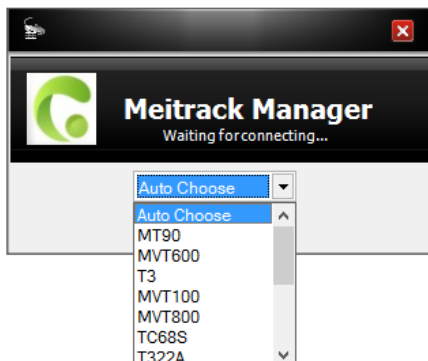
For the T1/T333/T622, after the tracker is connected to the computer, you should press and hold down the power button for 3s to turn on it. For the MT90G/MT90/T322X/TC68S, the tracker will turn on automatically upon connecting to the computer. You are advised to turn off the tracker while it will not be used.

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 15 tracker models:

MT90G/MT90/T1/TC68S/MVT100/MVT340/MVT600/MVT800/T311/T322X/T333/MVT380/T355/T622/Trackids.

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 for the T622:

Parameter	Description	Applicable Model
IMEI	Indicates the tracker's IMEI number. It is a unique number for the GPS tracking system 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 field cannot be edited.	All
Battery Left	Indicates the remaining capacity of the internal battery and displayed by percentage.	All
Switch to Meiligao Protocol	The MVT800 is compatible with the Meitrack and Meiligao protocols (default protocol: Meitrack protocol). To change the protocol, click Switch to Meiligao Protocol .	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

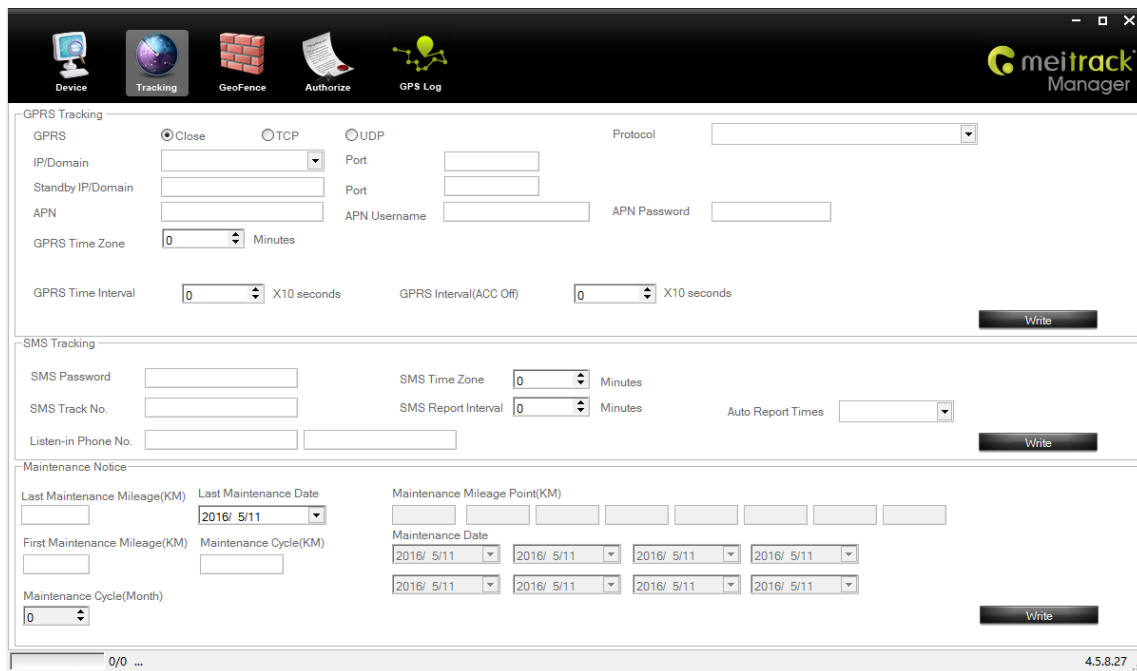
Disable GPRS Button	After the option is selected, you cannot press Volume - to rapidly enable or disable the GPRS function. The GPRS function is disabled by default.	MT90/MT90G
3D Shake Wake Up	After the option is selected, when the tracker is in sleep mode, it can be woken up by 3D vibration. Default: Not wakeup.	MT90/MT90G
Turn off Incoming Ringtone	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/T333/T1/MT90/MT90G MVT380/T622
Disable GPSLog Button	After the option is selected, you cannot press Volume + to rapidly enable or disable the GPS log function.	MT90/MT90G
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 TC68S/T311 T333/MVT380/MVT340/T622
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 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
Flash 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 Clear to clear all recorded data. This releases storage space.	MVT100/MVT600 T1/MVT800 TC68S/T311/MT90 T333/MVT380/T622
GPRS	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 Clear 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 Clear to clear all caches. Cached data will be sent again when the GSM signal recovers.	All
Buffer space	The storage percentage of GPRS cache will be showed. You can allocate the storage space as required.	T622
Log Interval	Indicates the recording interval of the GPS recorder.	MVT100/MVT600

	GPS data will be recorded at a specific interval once there is a GPS signal.	T1/MVT800 TC68S/T311/MT90 T333/MVT380/MVT340/T622
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"> ● Check Device Automatically: After the driver is installed correctly and the tracker is connected, the computer will automatically detect the corresponding port and the port will be automatically used for Meitrack Manager. ● Set Device Connection: If the port cannot be automatically detected, manually select the port. 	All
Auto Upgrade	There are two upgrade methods: <ul style="list-style-type: none"> ● Yes, I would like to receive automatic updates about new features: 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. ● No, I don't need it: Select this option if customized software is used or you do not want to upgrade software. Click Upgrade to manually compare the software version with the server. If there is new software, the software will be upgraded. 	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
Export Settings	Save all parameters of the tracker as a file. The parameter configurations can be used for another tracker.	All

Load 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
Show Description	After you click Show Description , fonts of some functions will be in bold type. When you move your mouse over the bold feature, the corresponding description will be popped up. The description is hidden by default.	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 for the TC68S:



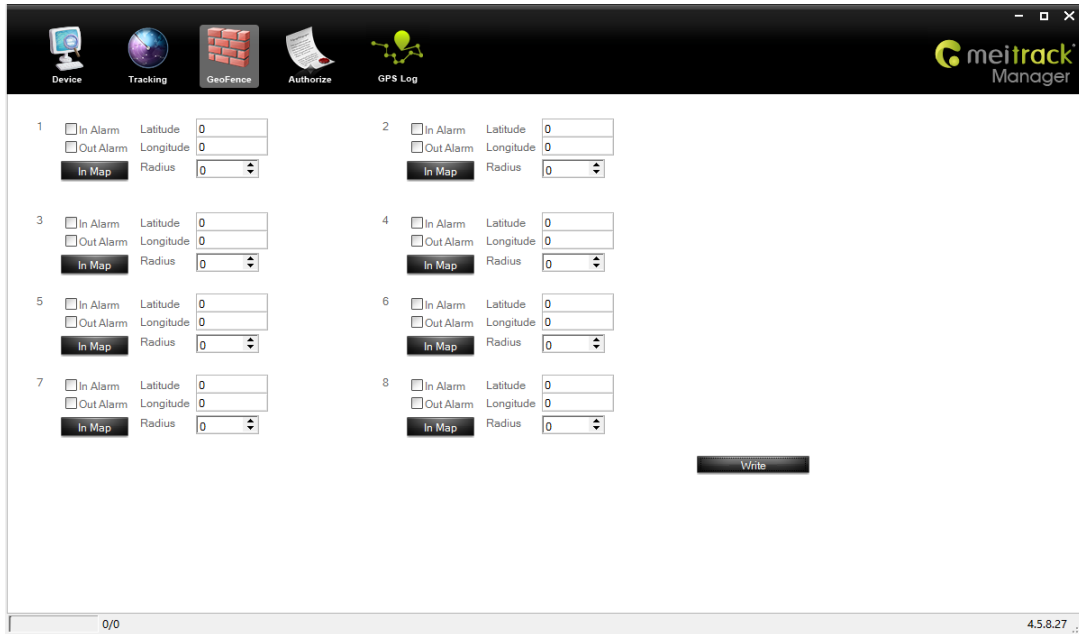
Parameter	Description	Applicable Model
GPRS	Close: Disable the GPRS scheduled uploading function. TCP: It is a reliable connection mode. You are advised to select this option. UDP: It saves traffic but is not reliable.	All
Protocol	Default value: Auto Event Report If you want to transmit other events, you must delete Auto Event Report and use the UDP. For details, see the <i>MEITRACK GPRS protocol</i> .	All
IP/Domain and Port	Set the active server IP address and port.	All

	You can set the IP address to 67.203.13.26 and port to 8800 .	
Standby 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 TC68S/T311/MT90 T333/MVT340/MVT380 /T622
APN, APN Username, and APN Password	Each parameter has a maximum of 32 bytes. If parameters APN Username , and APN Password are empty, leave APN blank. The APN of China Mobile is CMNET, and the APN of China Unicom is UNINET. Their usernames and passwords are left blank.	All
GPRS Time Zone	When GPRS minute is 0 , the time zone is GMT 0 (default time zone). Please set the GPRS time zone to 0 when you use our tracking platform. When GPRS minute is a value ranging from -32768 to 32767, set time zones.	All
GPRS Mode	GPRS mode: ACC ON, ACC OFF, Local, and Roaming T1 : indicates the data uploading interval which is not restricted by engine status and roaming. T2 : indicates the data uploading interval when the engine stops or the engine stops in Local mode. T3 : 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. T4 : indicates the data uploading interval when the engine stops in Roaming mode.	All
Mode 0	Mode 0 (T1): Parameter T1 is the data uploading interval that is not restricted by any condition.	All
Mode 1	Mode 1 (T1 + T2): Parameter T1 is the data uploading interval when the engine starts. Parameter T2 is the data uploading interval when the engine stops.	MVT100/MVT600 T1/MVT800 T333/MVT380 T311
Mode 2	Mode 2 (T1 + T3): In Local mode, parameter T1 is the data uploading interval. In roaming mode, parameter T3 is the data uploading interval.	All
Mode 3	Mode 3 (T1 + T3 + T4): In Local mode, parameter T1 is the data uploading interval and the interval is not restricted by the engine status. In roaming mode, when the engine starts, parameter T3 is the data uploading interval; when the engine stops, parameter T4 is the data uploading interval.	MVT100/MVT600 T1/MVT800 T333/MVT380/T311
Mode 4	Mode 4 (T1 + T2 + T3 + T4): In Local mode, when the engine starts, parameter T1 is the data uploading interval; when the engine stops, parameter T2 is the data uploading interval. In Roaming mode, when the engine starts, parameter T3 is the data uploading interval; when	MVT100/MVT600 T1/MVT800 T333/MVT380 T311

	the engine stops, parameter T4 is the data uploading interval.	
SMS Password	Indicates the password used for sending an SMS command. Default value: 0000	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 SMS minute is 0 , the time zone is GMT 0 (default time zone). When SMS minute is a value ranging from -32768 to 32767, set time zones. The unit is minute. For example, set the Beijing time zone to 480 .	All
SMS Tracking No.	SMS Tracking No.: indicates the phone number receiving scheduled SMSs. SMS Report Interval: Report a location at an interval by SMS. When the interval is 0 (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
Listen-in 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 0 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	Maintenance mileage point = Last maintenance mileage + Last maintenance interval There are eight mileage points in total. Maintenance time point = Last maintenance date + Maintenance interval There are eight maintenance time points in total.	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*.

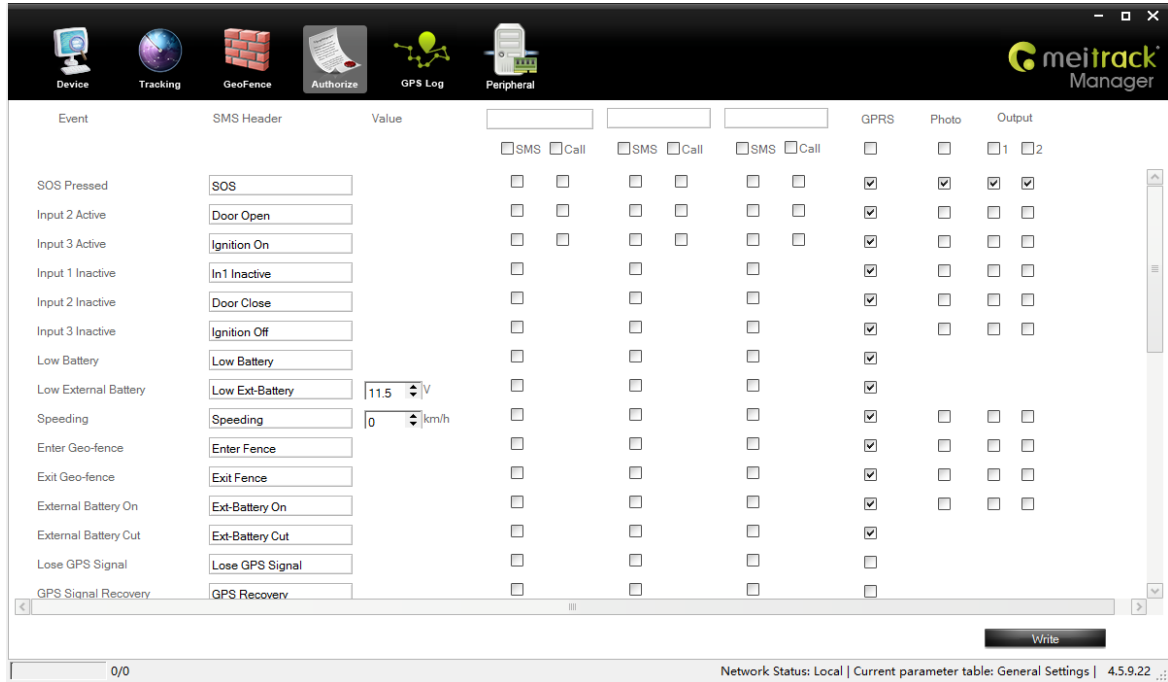
5.3 Geo-Fence



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 In Alarm, an alarm is generated when the tracker enters the preset geo-fence.</p> <p>Exit a geo-fence: If you select Out Alarm, an alarm is generated when the tracker exits the preset geo-fence.</p> <p>You can enter values in Latitude, Longitude, and Radius, or click In Map 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 for the T622:



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 will be 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 will be automatically taken. Note: You can select the first check box, that is, select all events.	MVT600/T1/T3/T333/T622
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:	MVT100/MVT600 T1/MVT800/T322X

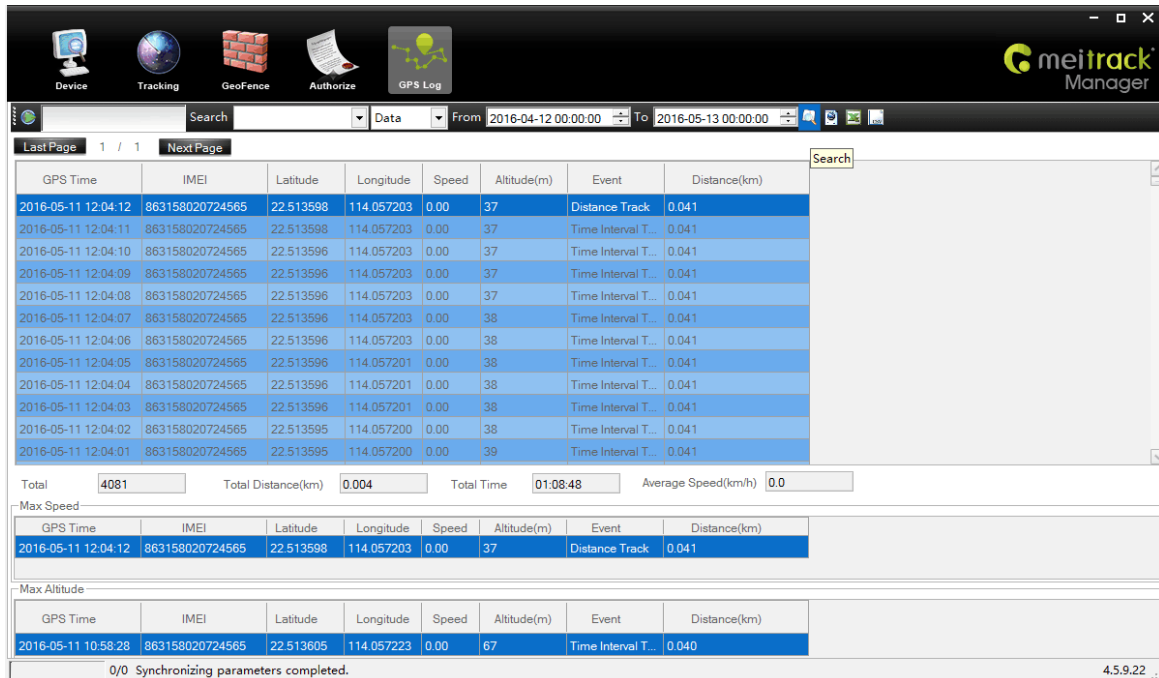
	Ignition On: MVT100&T322X Door Open: MVT600&T1&MVT800&T622. Other trackers are not defined.	T333/MVT380/MVT340/T622
Input 3 Active	An alarm is generated when input 3 is activated. SMS header: Ignition On: MVT600&T1&T622 Door Open: MVT800&T322X. Other trackers are not defined.	MVT600/T1/ MVT800/T322X T333/MVT380/MVT340/T622
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 Off: MVT100&T322X Door Close: MVT600&T1&MVT800&T622. Other trackers are not defined.	MVT100/MVT600 T1/MVT800/T322X T333/MVT380/MVT340
Input 3 Inactive	An alarm is generated when input 3 is not activated. SMS header: Ignition Off: MVT600&T1&T622 Door Close: MVT800&T322X. Other trackers are not defined.	MVT600/T1/ MVT800/T322X T333/MVT380/MVT340/T622
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 Value column.	MVT100/MVT600 T1/MVT800 TC68S/T311/T322X T333/MVT380/MVT340/T622
Speeding	An alarm is generated when the tracker speed exceeds the preset value. You can change the preset speeding value in the Value 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 Value column.	All
External Battery On	An alarm is generated when the vehicle battery connects to the tracker. Note: You can directly plug the TC68S into the vehicle without any cable.	MVT100/MVT600 T1/MVT800/MVT340/MVT380 TC68S/T311/T322X T333/MVT380/T622
External Battery Cut	An alarm is generated when the vehicle battery power is cut off. Note: You can plug out the TC68S from the vehicle.	MVT100/MVT600 T1/MVT800 TC68S/T311/T322X T333/MVT380/MVT340/T622
GPS Signal Lost	An alarm is generated when the tracker enters the GPS blind spot or no GPS signal is received.	All
GPS Signal	An alarm is generated when the tracker exits the GPS blind spot	All



Recovery	or a GPS signal is received.	
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 Value column.	All
GPS Antenna Cut	The external GPS antenna is not connected or is cut off.	MVT100/MVT600 T1/MVT800/T311/T322X T333/MVT380/MVT340/T622
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 Value column.	All
Cornering	Enable the cornering report function. When the driving angle exceeds the preset value, a cornering report will be sent. You can change the driving angle in the Value column.	All
Track By Distance	Track by distance You can change the distance in the Value 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 Value column.	All
RFID	Connect the tracker to the RFID reader to obtain the RFID. (Related RFID events will be received when the T622 is connected to iButton.)	MVT600/T1 T333/T622
Temperature High	An alarm is generated when the temperature of the temperature sensor is higher than the preset upper limit.	MVT600/T1 T333
Temperature Low	An alarm is generated when the temperature of the temperature sensor is lower than the preset lower limit.	MVT600/T1 T333
Full Fuel	An alarm is generated when the fuel of the fuel level sensor exceeds the preset upper limit.	MVT600/T1 T333/T622
Low Fuel	An alarm is generated when the fuel of the fuel level sensor is less than the preset lower limit.	MVT600/T1 T333/T622
Fuel Theft	By default, when the fuel level reduces by over 2% within 3 minutes, a fuel theft alarm will be generated.	T622
Armed	An event report is sent when the arming mode is successfully set for the tracker.	MVT800/TC68S T311/T322X
Disarmed	An event report is sent when the disarming mode is successfully set for the tracker.	MVT800/TC68S T311/T322X
Vehicle Theft	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/T322X
Stop Moving	After this option is selected and the terminal enters the static state, an event report will be generated.	MT90/MVT600/T1/T333/T622

Start Moving	After this option is selected and the terminal enters the moving state, an event report will be generated.	MT90/MVT600/T1/T333/T622
GSM Jamming	After this option is selected and the terminal detects jamming, an event report will be generated.	MVT100/MVT600/T1/T333
Reject Incoming Call	If the option is selected, when the tracker receives a call from the authorized phone number, the call will be rejected automatically.	All
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
Fall	After this option is selected and a Man Down alarm is generated, an event report will be generated.	MT90
No GSM Jamming	After this option is selected and the terminal detects that no jamming occurs, an event report will be generated.	MVT100/MVT600/T1/T333
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 Value column.	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 Value column.	TC68S
Speed Recovery	If the option is selected, when the vehicle speed recovers to the normal speed, an event report is sent.	TC68S
Maintenance Notice	If the option is selected, when the driving mileage or time reaches the preset value, an event report is sent.	TC68S
Ignition On	If the option is selected, when the tracker detects that the vehicle starts, an event report is sent.	TC68S
Ignition Off	If the option is selected, when the tracker detects that the vehicle stops, an event report is sent.	TC68S
Harsh Acceleration	The alarm helps analyze drivers' driving behaviors. The alarm value is a positive number. If the function is enabled, an alarm will be generated when the driving speed reaches the value set.	T622
Harsh Braking	The alarm helps analyze drivers' driving behaviors. The alarm value is a negative number. If the function is enabled, an alarm will be generated when the driving speed reaches the value set.	T622

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

5.5 GPS Log



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 Data or Route . Data: Display locations. The following information will be displayed: GPS Time, IMEI, Latitude, Longitude, Speed, Altitude(m), Event, and Distance(km) . Double-click a piece of data, the current location will be displayed. The following information can also be displayed: Total, Total Distance(km), Total Time, Average Speed(km/h), Max Speed, and Max Altitude . Route: Display data phase by phase. Device on/start run as a start point, and device off/stop run as an end point. The following information will be displayed: IMEI, Start Time, End Time, History, Mileage (km), and Average Speed (km/h) . Double-click a route, the current route will be displayed in the Map window.	All
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 Peripheral

The function is only available for the T622. The following is the **Peripheral** page for the T622.

Item	Description	Parameter Settings
Roaming parameter table	After you select Enabled Roaming Parameter Table , the roaming parameters will take effect when the tracker enters the roaming mode.	General setting: non-roaming parameters Roaming setting: roaming parameters
Peripheral	The tracker can connect peripherals supporting RS232 ports by default. If you want to use peripherals supporting RS485 ports, we can provide the custom-made service for you. Peripherals supporting RS232 ports include cameras, Garmin navigators, LLS sensors, LED displays, and RFID.	Set the baud rate: Camera: 115200 Garmin navigator: 9600 LLS sensor: 19200 LED display: 115200 RFID: 19200
Fuel sensor	AD fuel level sensors and LLS sensors are supported.	Set the fuel level sensor: AD fuel level sensor: no parameters LLS sensor: Its parameters include LLS fuel sensor full fuel and LLS fuel sensor low fuel .
GPS data filtering	After you select Enable GPS data filtering , if all conditions of	Set the GPS speed, GPS

	<p>the GPS speed, GPS positioning accuracy, and number of GPS satellites are met, GPS data will be updated. The GPS data filtering function can eliminate static drift.</p> <p>You can set the GPS speed, GPS positioning accuracy, and number of GPS satellites to enable the GPS data filtering function.</p>	<p>positioning accuracy, and number of GPS satellites.</p>
Output port	<p>The T622 has two output ports: output 1 and output 2.</p> <p>When some alarm events are generated, output ports can trigger the high level, low level, or PWM wave.</p> <p>Triggering mode: high level, low level, and PWM.</p>	<p>Unit of output time: 10 ms</p> <p>Duty cycle range: 0%–100%</p> <p>Unit of PWM period: μs</p>
Input trigger mode	<p>You can select port 1 or port 2.</p> <p>Triggering mode: positive input and negative input</p>	<p>None</p>

If you have any questions, do not hesitate to email us at info@meitrack.com.