MEITRACK® Parameter Editor

User Guide

Contents

1. Introduction

MEITRACK Parameter Editor is used to configure MEITRACK'S GPS Tracker MVT100, MVT340, MVT380, MVT600, T1, MT90, MT88 and MT80i.

2. Hardware and Software Required

● A personal computer or laptop with Windows XP, Windows Vista, or Windows 7;
● One USB Data Cable;

● Driver for USB Data Cable;
● MEITRACK® Parameter Editor.

3. Installation and Connection
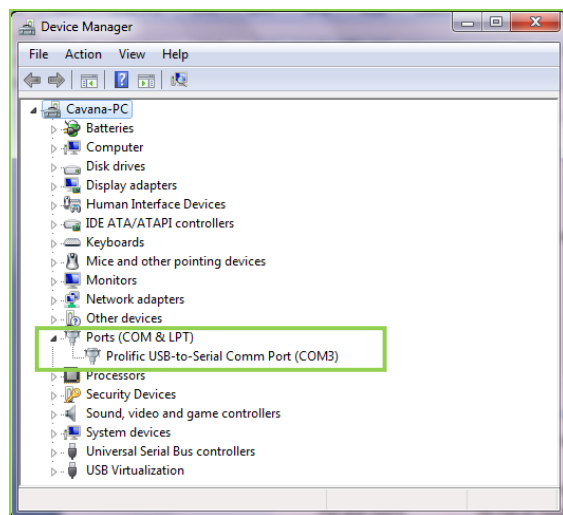
Run 'PL2303_Prolific_DriverInstaller' to install the driver for the USB data cable.
Note: PL2303_Prolific_DriverInstaller is in the folder 'USB-232 Driver' in the CD.

Connect the USB data cable with your computer.

Open Device Manager (Device Manager is under Control Panel\System and Security\System). You can then find 'Prolific USB-to-Serial Comm Port' as the following picture shows.
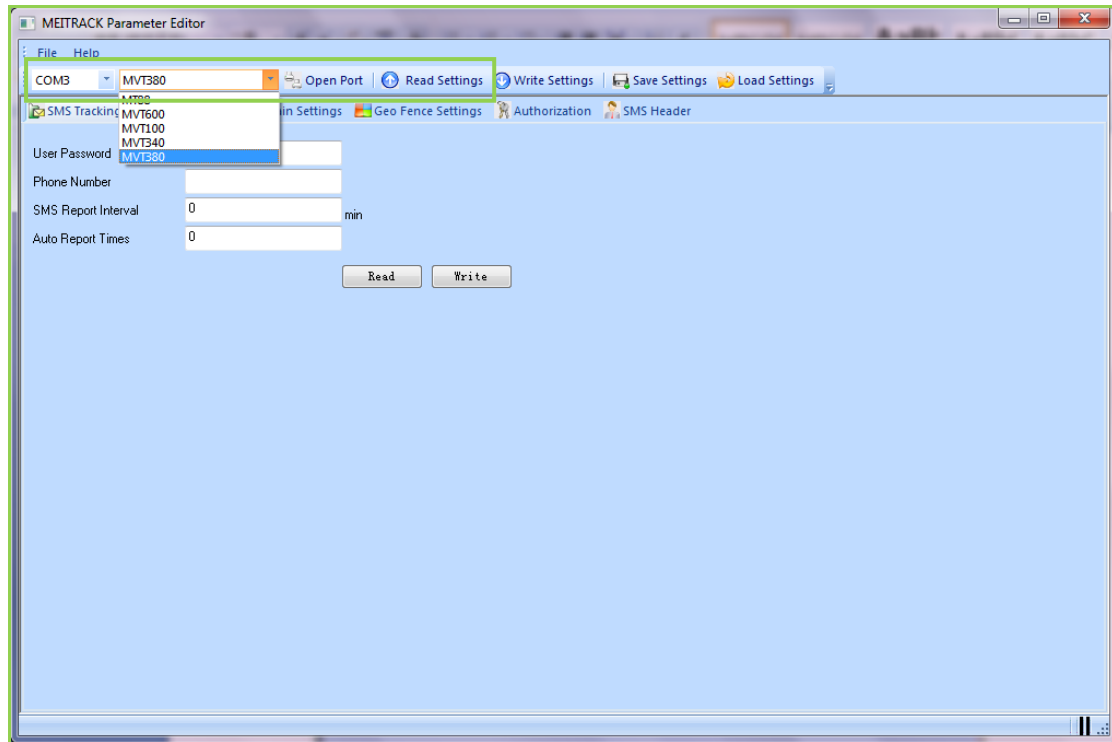
Note: Remember this Com number. It needs to be input in MEITRACK Parameter Editor. It is COM3 in this example and it would be COM4 or COM5…in your computer.

4. Configuration

Connect the tracker to your computer by the USB data cable as the below picture shows:

Run 'MEITRACK Parameter Editor.exe' and the following configuration window will be opened:

Select the correct Com number according to the Device Manager shows and select tracker's model. And then click the 'Open Port' button.

Note: MEITRACK Parameter Editor is in the CD. The language will be automatically adjusted to be the same as your PC operation system's language. Please use "Ctrl+L" to change the language.

MT80i/MT88/MT90/MVT100/MVT340/MVT380/MVT600/T1: After the tracker is properly connected with USB Data Cable, you have two ways to make the tracker ready for configuration:

1. <u>Press and hold</u> tracker's SOS Button (SOS button is connected with the I/O cable) and then turn on the tracker
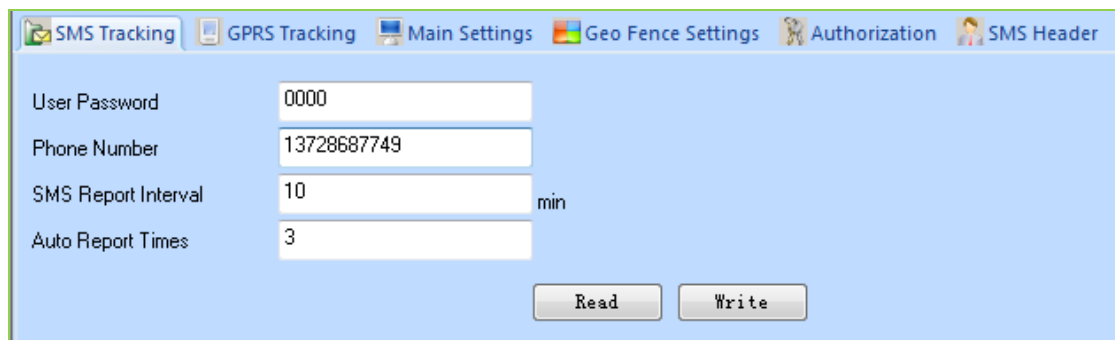2. Turn on the tracker directly

After that, all LEDs will be on. Now the tracker is ready for configuration.

Click 'Read Settings' button to show the default or previous settings of the tracker and the following window will pop up:
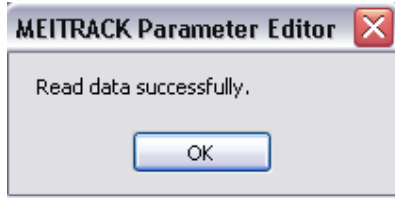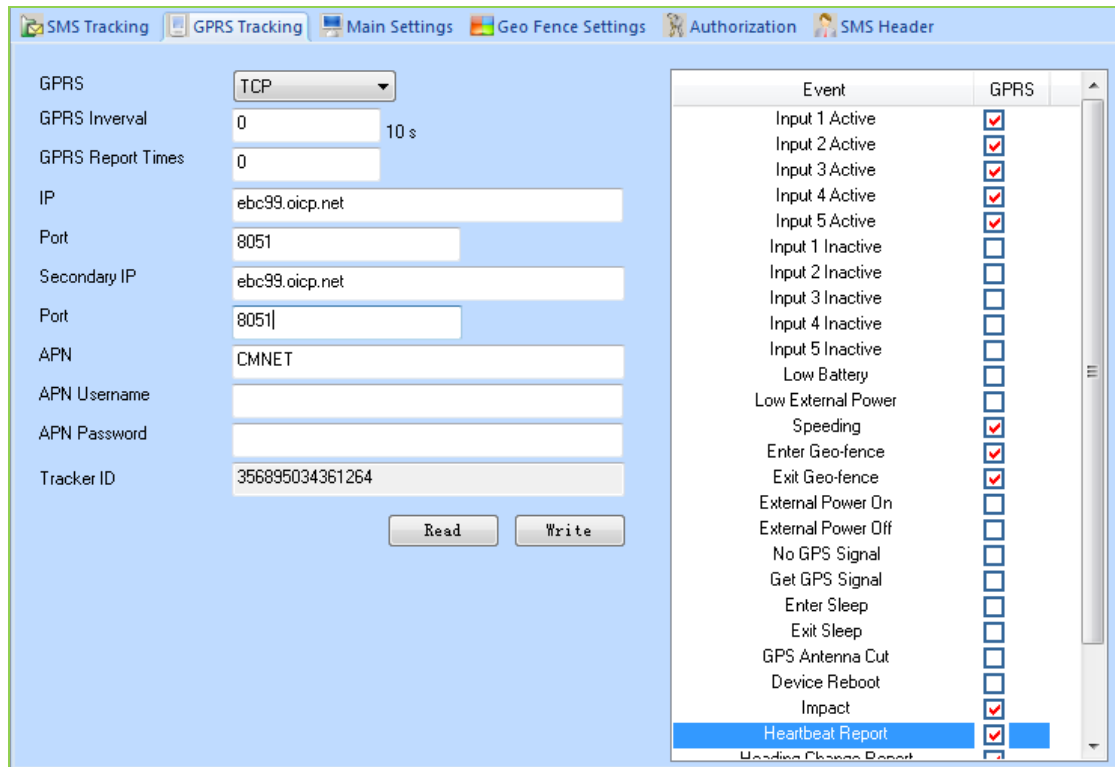

Tab 1: SMS Tracking

Item	Description	Applicable Model
User Password	SMS password for sending SMS commands and defaulted as 0000	All
Phone Number	A phone number to receive SMS location reports.	All
SMS Report Interval	Track by time interval via SMS. Set time interval for SMS location report. = 0, stop tracking by time interval (default); = [1,65535], track by interval in minute;	All
Auto Report Times	= 0, track by interval continuously = [1,255], set how many times (reports) of SMS from the tracker with the defined interval.	All
Read	Read current tracker's settings for above items	
Write	Write above settings to the tracker.	

Tab 2: GPRS Tracking

Item	Description	Applicable Model
GPRS	Select TCP/UDP to enable GPRS communication	All
GPRS Interval	Track by time interval via GPRS. Set time interval for GPRS tracking. Interval is in unit of 10 seconds. Interval = 0, stop tracking by time interval. Max time interval = 65535*10 seconds	All
GPRS Report Times	= 0, track by interval continuously; = [1,65535], set how many times(reports) from the tracker with the defined interval.	All
IP & Port	Input server's IP address and port number.	All
Secondary IP & Port	Set the secondary server's IP address and port number in case that the first server is down.	All
APN, APN Username, APN Password	APN, APN username, APN password: max 32 bytes; If no username and password required, leave them blank.	All
Tracker ID	Tracker's IMEI and it is automatically displayed.	All
Read	Read current tracker's settings for above items.	
Write	Write above settings to the tracker.	

On the Event list, you can select events to be included in the GPRS report message.
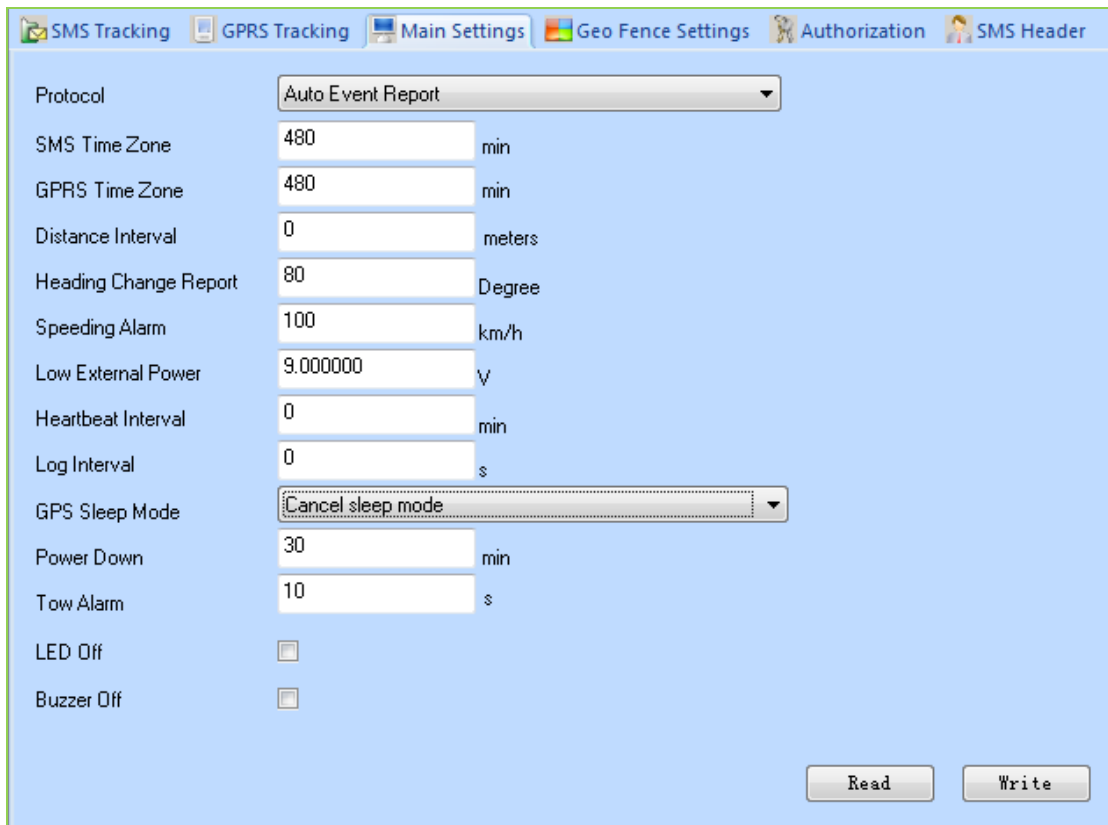
Event Descriptions:

Event	Description *(if the box is ticked, event will be included in GPRS report)*	Applicable Model
Input 1 Active	Input 1 is active (SOS button is pressed)	All
Input 2 Active	Input2 is active	MVT340/380/600, T1
Input 3 Active	Input3 is active	MVT380/600, T1
Input 4 Active	Input4 is active	MVT380
Input 5 Active	Input5 is active	MVT380
Input 1 Inactive	Input 1 is inactive (SOS button is released)	All
Input 2 Inactive	Input 2 is inactive	MVT340/380/600, T1
Input 3 Inactive	Input 3 is inactive	MVT380/600, T1
Input 4 Inactive	Input 4 is inactive	MVT380
Input 5 Inactive	Input 5 is inactive	MVT380
Low Battery	Voltage level from internal (backup) battery is lower than 3.5V	All
Low External Power	External power (car battery) is lower than predefined voltage. You can define voltage in Main Settings.	MVT100/340/380/600 T1
Speeding	Tracker's speed is over the predefined speed limit. You can define speed limit in Main Settings.	All
Enter Geo-fence	Alarm when tracker enters the predefined Geo-fence waypoint	All
Exit Geo-fence	Alarm when tracker exits the predefined Geo-fence waypoint You can define waypoints in Geo Fence Settings.	All
External Power On	Alarm when external power supply is on or recover	MVT100/340/380/600 T1
External Power Off	Alarm when external power supply if off or cut	MVT100/340/380/600 T1
No GPS Signal	Alarm if the tracker has no GPS fix	All
Get GPS Signal	Alarm when the tracker gets GPS signal	All
Enter Sleep	Alarm when the tracker gets into sleep mode	All
Exit Sleep	Alarm when the tracker wakes up from sleep mode You can define sleep mode in Main Settings.	All
GPS Antenna Cut	Alarm when the GPS antenna is disconnected or cut	MVT340/380/600 T1
Device Reboot	Alarm when the device is reboot	All
Impact	Alarm when the tracker(with impact sensor) detects impact or crash	MVT100/380/600, T1
Heartbeat Report	Turn on heartbeat report You can define heartbeat interval in Main Settings.	All

Heading Change Report	Auto report when tracker's direction changes over predefined angle You can define angle degree in Main Settings.	All
Distance Interval Report	Tracker by distance interval You can define distance interval in Main Settings.	All
Tow Alarm	Alarm when the tracker trembles for a period of time You can define tow time in Main Settings.	All
RFID	RFID data (MVT600 only)	MVT600, T1

Tap3: Main Settings

Item	Description	Applicable Model
Protocol	Auto Event Report (default), or Event report needs server's confirmation by AFF command *Refer to MEITRACK SMS GPRS Protocol for more details.*	All
SMS Time Zone	Default time of the tracker is GMT. You can use this comment to correct it to your local time for SMS report.	All

	= 0, GMT (default); = [-32768,32767], set time difference in minutes to GMT.	
GPRS Time Zone	Default time for GPRS report is GMT. = 0, GMT (default); = [-32768,32767], set time difference in minutes to GMT.	All
Distance Interval	Set distance interval for SMS/GPRS tracking. = 0, stop tracking by distance interval (default); = [1, 4294967295], set interval in meter	All
Heading Change Report	When the heading direction of the tracker changes over the preset degree, a message with location data will be sent back to the server by GPRS. = 0, cancel heading change report (default); = [1,359], set degree of direction change.	All
Speeding Alarm	= 0, cancel speeding alarm (default) = [1,255], set speed limit in Km/h	All
Low External Power	When the external power supply (car battery) is lower than a predefined voltage, and alarm message will be sent to the mobile phone or server.	MVT100/340/380/600 T1
Heartbeat Interval	= 0, cancel heartbeat report (default); = [1,65535], set interval in minute.	All
Log Interval	Set the interval for storing GPS data into tracker's flash memory. = 0, turn off logging; = [1,65535], set logging interval in second.	MT80i/88/90 MVT100/380/600 T1
GPS Sleep Mode	Set sleep mode for tracker's GPS module	All
Power Down	Set power down mode when the tracker is inactive (stationary) for a period of time. In Power Down mode, GPS stops working and GSM enters sleep mode. The tracker stops sending out messages until it is activated by message, incoming calls, and movement or input changes. = 0, turn off power down mode = [1,255], turn on power down after a specified period of being inactive in minute.	All
Tow Alarm	= 0, cancel tow alarm (default); = [1,255], set period in second. If the tracker trembles over the pre-define period, an alarm message will be sent to the mobile phone or server.	MVT100/340/380/600 T1
LED Off	If the box is ticked, all LED lights are off when the	All

	tracker is working.	
Buzzer Off	Turn off tracker's buzzer when a call is coming in.	MT90
Read	Read current tracker's settings for above items	
Write	Write above settings to the tracker.	

Tab 4: Geo Fence Settings
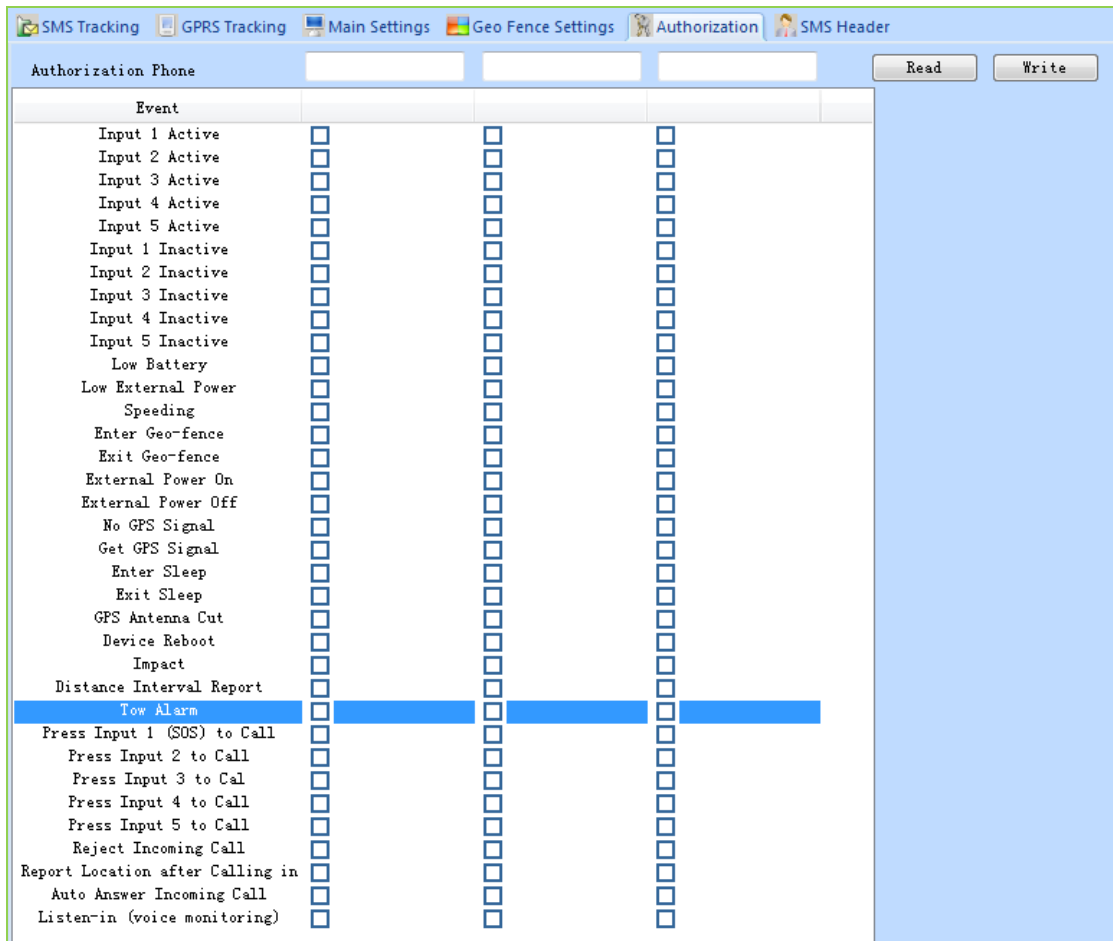
Item	Description
Waypoint	Max 8 waypoints can be set for Geo-fence alarm.
Latitude	Latitude in decimal degrees of the waypoint center
Longitude	Longitude in decimal degrees of the waypoint center.
Radius	Radius in meter of the circle
In Alarm	Tick to turn on the alarm when the tracker enters the waypoint
Out Alarm	Tick to turn on the alarm when the tracker exits the waypoint.
Read	Read current tracker's settings for above items
Write	Write above settings to the tracker.

Note: Geo Fence Settings are applicable to all models.

Tab 5: Authorization

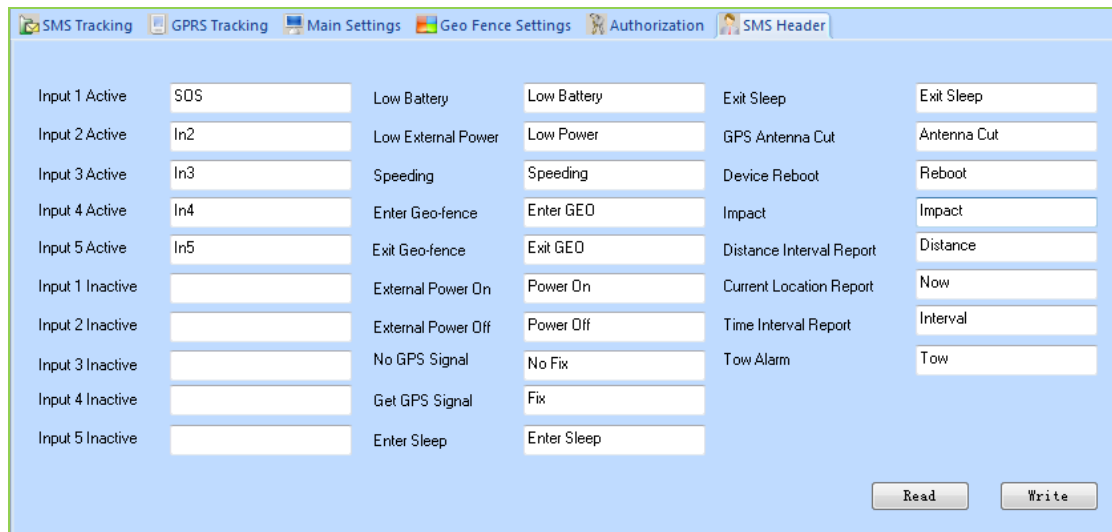| Item	Description
Authorization Phone Number	Authorize phone number(s) for receiving SMS reports and select events to be included in the SMS.
Event	Tick to include the event information in the SMS report. *Refer to MEITRACK SMS/GPRS Protocol for more details.* *From event descriptions for 'Input1 Active' to 'Tow Alarm', please refer to Event Description under Tap 2: GPRS Tracking.* *See below for description of other events.*
Read	Read current tracker's settings for above items
Write	Write above settings to the tracker.

Description of other events

Event	Description (if the box is ticked)	Applicable Model
Press Input 1 (SOS)	Press to call the authorized phone	MT80i/88/90,MVT100/340/380/600,

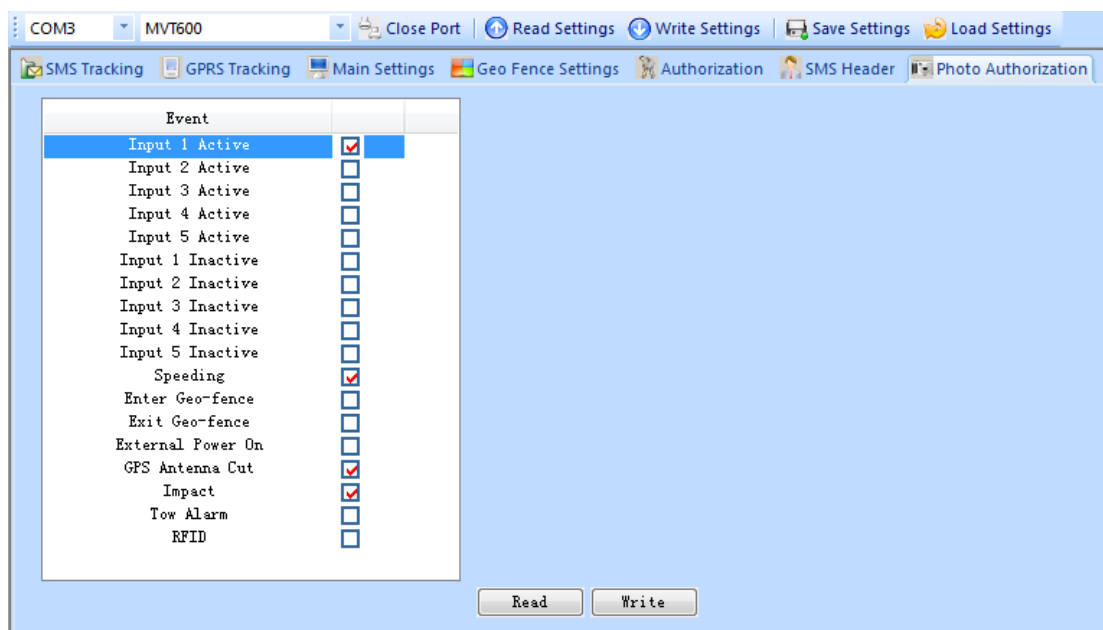| to Call	number	T1
Press Input 2 to Call	Press to call the authorized phone number	MVT100/340/380/600, T1
Press Input 3 to Call	Press to call the authorized phone number	MVT380/600, T1
Press Input 4 to Call	Press to call the authorized phone number	MVT380
Press Input 5 to Call	Press to call the authorized phone number	MVT380
Reject Incoming Call	Reject when the authorized phone calling in	All
Report Location after Calling in	Report location after the call is rejected or missed	All
Auto Answer Incoming Call	Auto answer the incoming call for conversation	MT80i/88/90,MVT380/600, T1
Listen-in (voice monitoring)	Auto answer the incoming call for voice monitoring	MT80i/88/90,MVT380/600, T1

Tab 6: SMS Header

Description: Set SMS header of each event to be shown in the beginning in the SMS.

For example, you can input 'SOS' in the column of 'Input 1 Active', once the tracker's SOS button is pressed, an SMS with 'SOS' will be received.

Tap 7: Photo Authorization (only for MVT600)

Select one or more events to enable the camera to take picture and store the image in memory once the selected event is activated.

In default mode, once the SOS button is pressed (Input 1 is activated), the tracker will automatically take picture and store it in memory.

Tool Bar

Item	Description
Read Settings	Read all preset values of the tracker.
Write Settings	Write all settings (including all inputs in the 6 tabs below) to the tracker.
Save Settings	Save current settings for next or future configuration.
Load Settings	Load the saved settings to implement them to a new tracker

After the tracker is configured, remove it from the USB data cable.