



File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Project:	MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i	Creation Date:	2010-03-25
		Update:	2011-08-01
Sub Project:	Parameter Editor User Guide	Page:	1 of 13
Revision:	V1.06	Confidential:	External Documentation

---

# MEITRACK<sup>®</sup> Parameter Editor

## User Guide



File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Project:	MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i	Creation Date:	2010-03-25
		Update:	2011-08-01
Sub Project:	Parameter Editor User Guide	Page:	2 of 13
Revision:	V1.06	Confidential:	External Documentation

---

## Contents

1. Introduction .....	3
2. Hardware and Software Required .....	3
3. Installation and Connection .....	3
4. Configuration.....	4
Tab 1: SMS Tracking .....	5
Tab 2: GPRS Tracking .....	6
Tab 3: Main Settings .....	8
Tab 4: Geo Fence Settings.....	10
Tab 5: Authorization.....	11
Tab 6: SMS Header .....	12
Tab 7: Photo Authorization (only for MVT600) .....	13
Tool Bar .....	13

File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Project:	MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i	Creation Date:	2010-03-25
Sub Project:	Parameter Editor User Guide	Update:	2011-08-01
Revision:	V1.06	Page:	3 of 13
		Confidential:	External Documentation

## 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

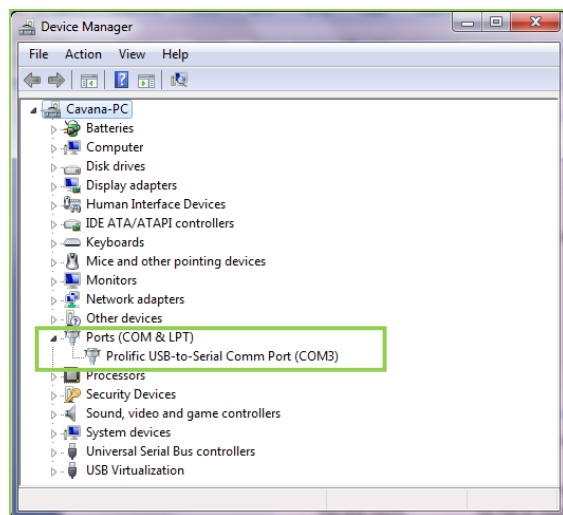
Run 'PL2303\_Prolific\_DriverInstaller' to install the driver for the USB data cable.

*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.



File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Project:	MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i	Creation Date:	2010-03-25
Sub Project:	Parameter Editor User Guide	Update:	2011-08-01
Revision:	V1.06	Page:	4 of 13
		Confidential:	External Documentation

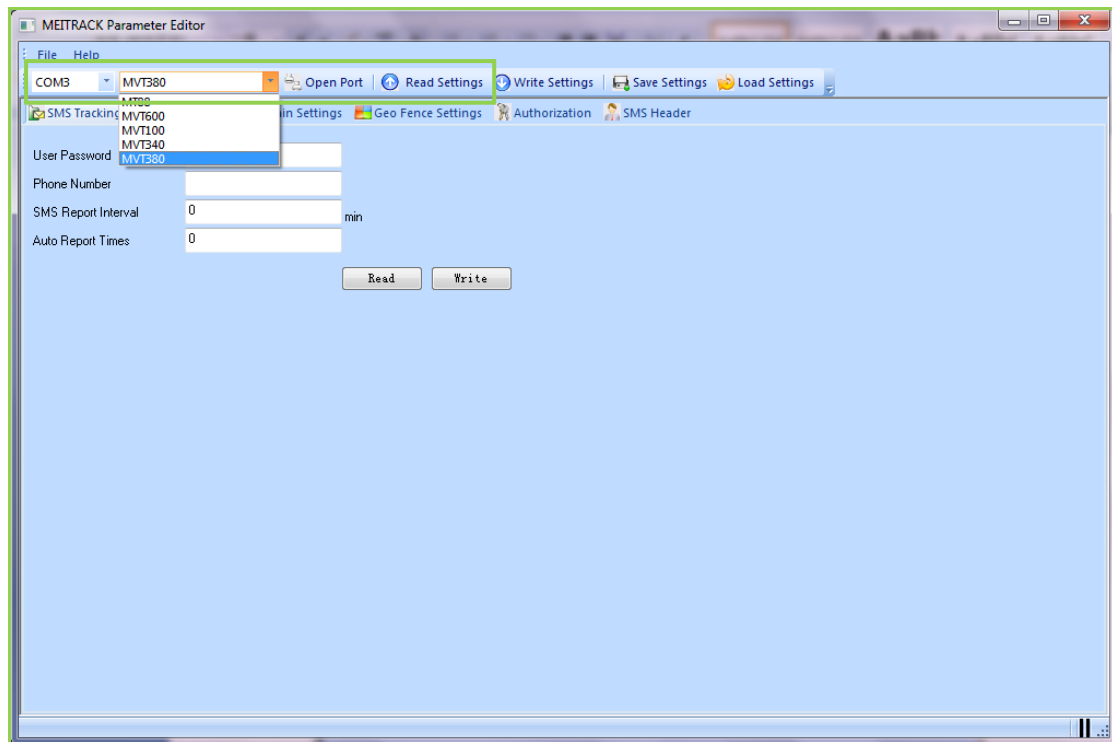
*Note: Remember this Com number. It needs to be input in MEITRACK Parameter Editor. It is COM3 in this example and it would be COM4 or COM5...in your computer.*

#### 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.*

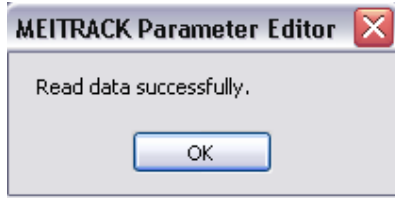
**MT80i/MT88/MT90/MVT100/MVT340/MVT380/MVT600/T1:** After the tracker is properly connected with USB Data Cable, you have two ways to make the tracker ready for configuration:

1. Press and hold 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

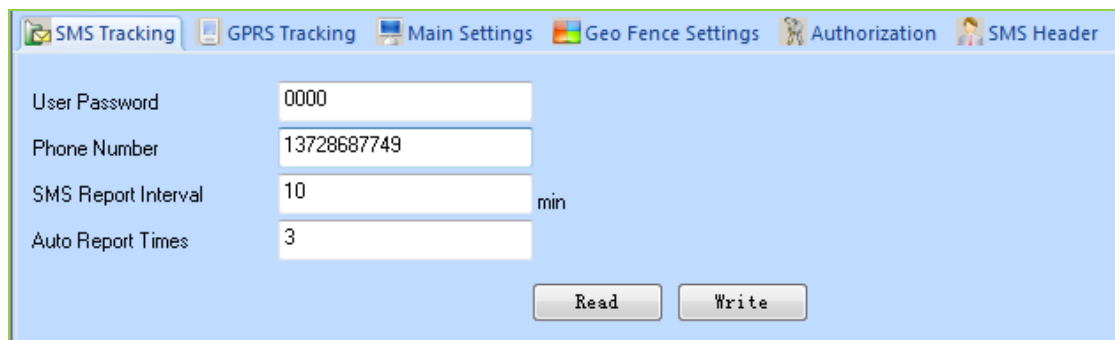
File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Project:	MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i	Creation Date:	2010-03-25
Sub Project:	Parameter Editor User Guide	Update:	2011-08-01
Revision:	V1.06	Page:	5 of 13
		Confidential:	External Documentation

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:



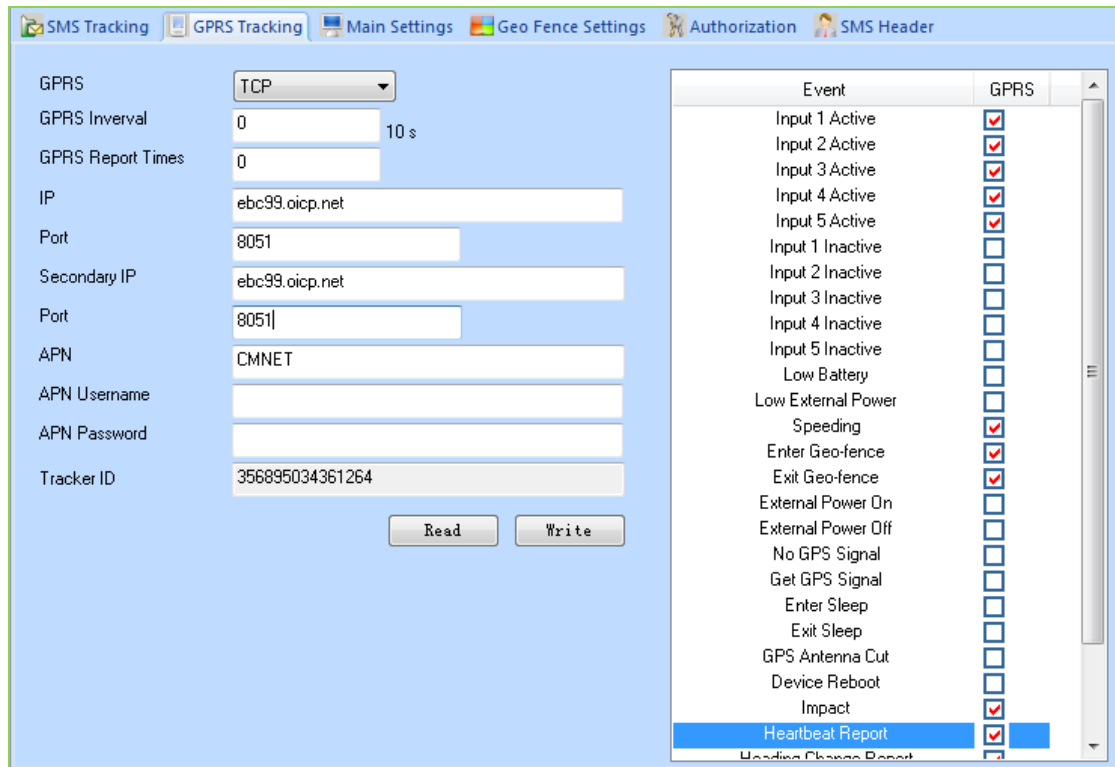
### Tab 1: SMS Tracking



Item	Description	Applicable Model
<b>User Password</b>	SMS password for sending SMS commands and defaulted as 0000	All
<b>Phone Number</b>	A phone number to receive SMS location reports.	All
<b>SMS Report Interval</b>	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
<b>Auto Report Times</b>	= 0, track by interval continuously = [1,255], set how many times (reports) of SMS from the tracker with the defined interval.	All
<b>Read</b>	Read current tracker's settings for above items	
<b>Write</b>	Write above settings to the tracker.	

File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Project:	MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i	Creation Date:	2010-03-25
Sub Project:	Parameter Editor User Guide	Update:	2011-08-01
Revision:	V1.06	Page:	6 of 13
		Confidential:	External Documentation

## Tab 2: GPRS Tracking



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

File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Project:	MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i	Creation Date:	2010-03-25
Sub Project:	Parameter Editor User Guide	Update:	2011-08-01
Revision:	V1.06	Page:	7 of 13
		Confidential:	External Documentation

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

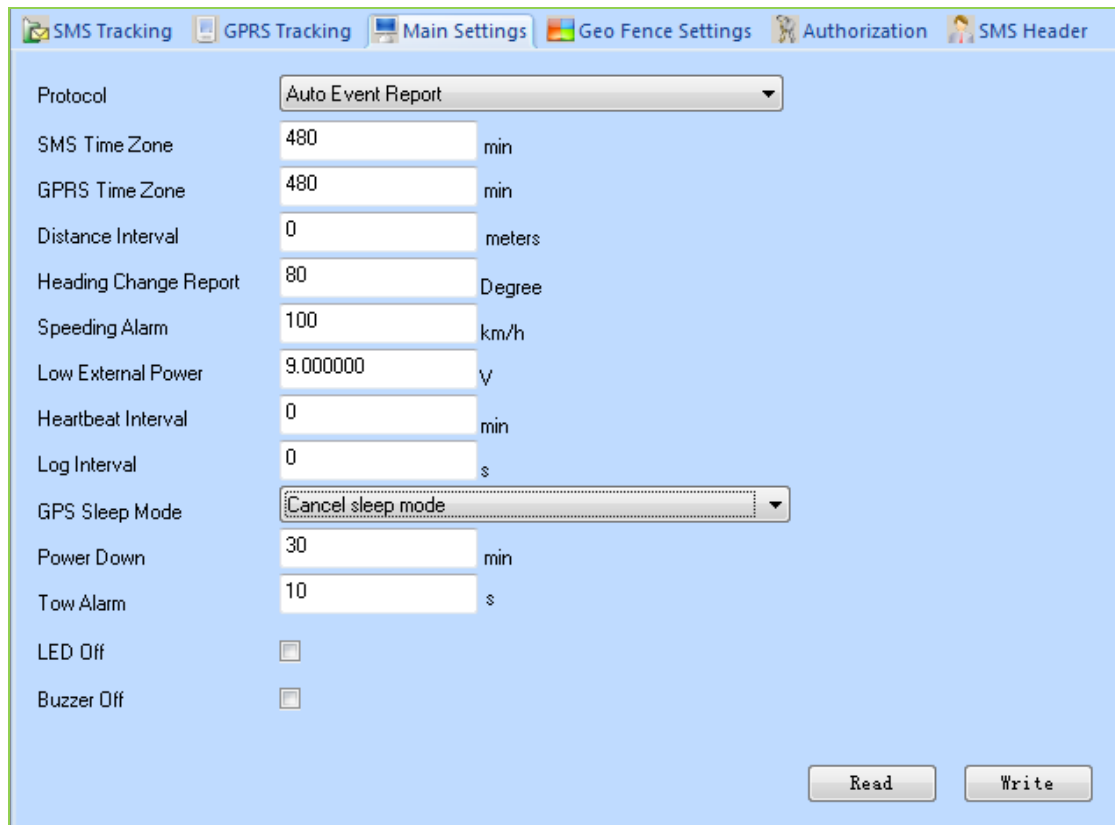
#### Event Descriptions:

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

File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Project:	MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i	Creation Date:	2010-03-25
Sub Project:	Parameter Editor User Guide	Update:	2011-08-01
Revision:	V1.06	Page:	8 of 13
		Confidential:	External Documentation

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

### Tap3: Main Settings



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





File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Project:	MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i	Creation Date:	2010-03-25
Sub Project:	Parameter Editor User Guide	Update:	2011-08-01
Revision:	V1.06	Page:	9 of 13
		Confidential:	External Documentation

	= 0, GMT (default); = [-32768,32767], set time difference in minutes to GMT.	
<b>GPRS Time Zone</b>	Default time for GPRS report is GMT. = 0, GMT (default); = [-32768,32767], set time difference in minutes to GMT.	All
<b>Distance Interval</b>	Set distance interval for SMS/GPRS tracking. = 0, stop tracking by distance interval (default); = [1, 4294967295], set interval in meter	All
<b>Heading Change Report</b>	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
<b>Speeding Alarm</b>	= 0, cancel speeding alarm (default) = [1,255], set speed limit in Km/h	All
<b>Low External Power</b>	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
<b>Heartbeat Interval</b>	= 0, cancel heartbeat report (default); = [1,65535], set interval in minute.	All
<b>Log Interval</b>	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
<b>GPS Sleep Mode</b>	Set sleep mode for tracker's GPS module	All
<b>Power Down</b>	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
<b>Tow Alarm</b>	= 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
<b>LED Off</b>	If the box is ticked, all LED lights are off when the	All



File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Project:	MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i	Creation Date:	2010-03-25
Sub Project:	Parameter Editor User Guide	Update:	2011-08-01
Revision:	V1.06	Page:	10 of 13
		Confidential:	External Documentation

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

**Tab 4: Geo Fence Settings**

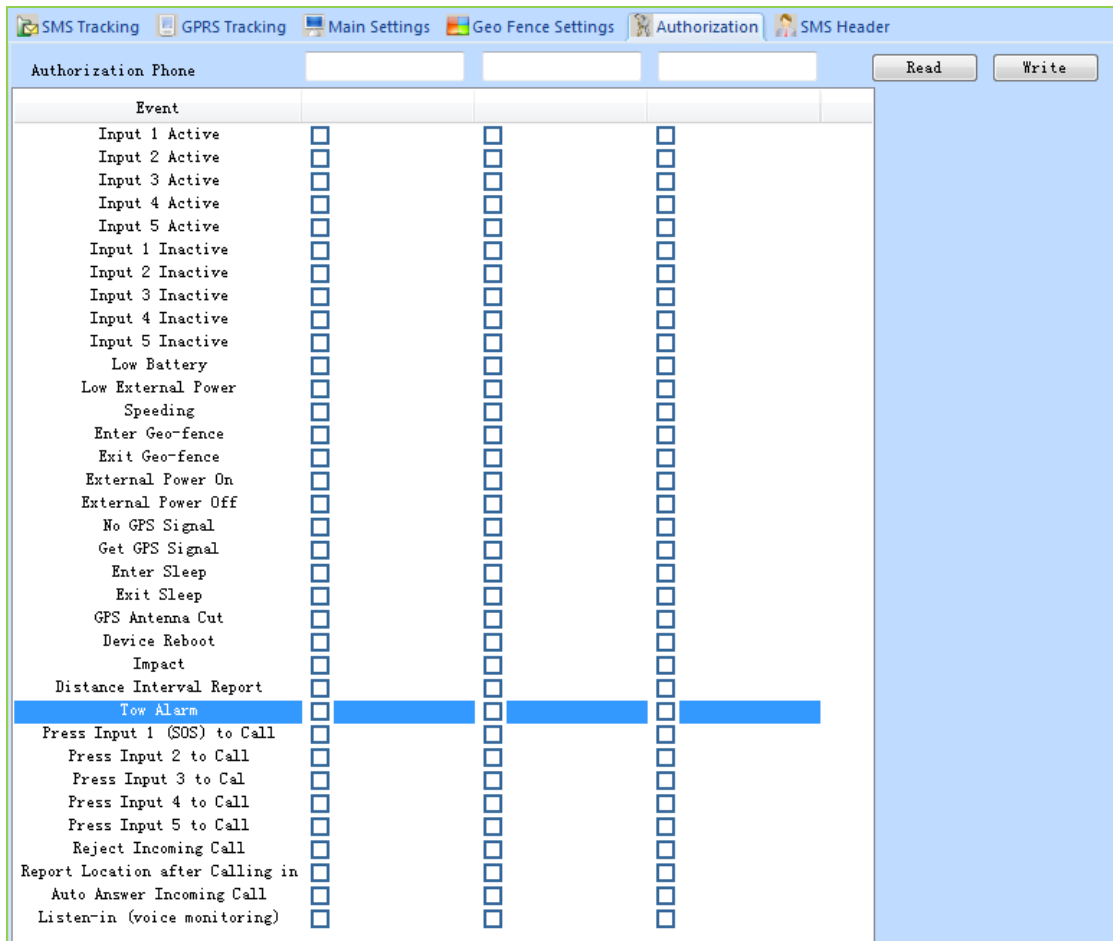
WayPoint	Latitude	Longitude	Radius(M)	In Alarm	Out Alarm
1	0.000000	0.000000	0	<input type="checkbox"/>	<input type="checkbox"/>
2	0.000000	0.000000	0	<input type="checkbox"/>	<input type="checkbox"/>
3	0.000000	0.000000	0	<input type="checkbox"/>	<input type="checkbox"/>
4	0.000000	0.000000	0	<input type="checkbox"/>	<input type="checkbox"/>
5	0.000000	0.000000	0	<input type="checkbox"/>	<input type="checkbox"/>
6	0.000000	0.000000	0	<input type="checkbox"/>	<input type="checkbox"/>
7	0.000000	0.000000	0	<input type="checkbox"/>	<input type="checkbox"/>
8	0.000000	0.000000	0	<input type="checkbox"/>	<input type="checkbox"/>

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

Note: Geo Fence Settings are applicable to all models.

File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Project:	MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i	Creation Date:	2010-03-25
Sub Project:	Parameter Editor User Guide	Update:	2011-08-01
Revision:	V1.06	Page:	11 of 13
		Confidential:	External Documentation

**Tab 5: Authorization**



Event	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input 1 Active	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input 2 Active	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input 3 Active	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input 4 Active	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input 5 Active	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input 1 Inactive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input 2 Inactive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input 3 Inactive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input 4 Inactive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Input 5 Inactive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low External Power	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Speeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enter Geo-fence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exit Geo-fence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
External Power On	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
External Power Off	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No GPS Signal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Get GPS Signal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enter Sleep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exit Sleep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GPS Antenna Cut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device Reboot	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Impact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distance Interval Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Tow Alarm</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Press Input 1 (SOS) to Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Press Input 2 to Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Press Input 3 to Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Press Input 4 to Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Press Input 5 to Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reject Incoming Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Report Location after Calling in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Auto Answer Incoming Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Listen-in (voice monitoring)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

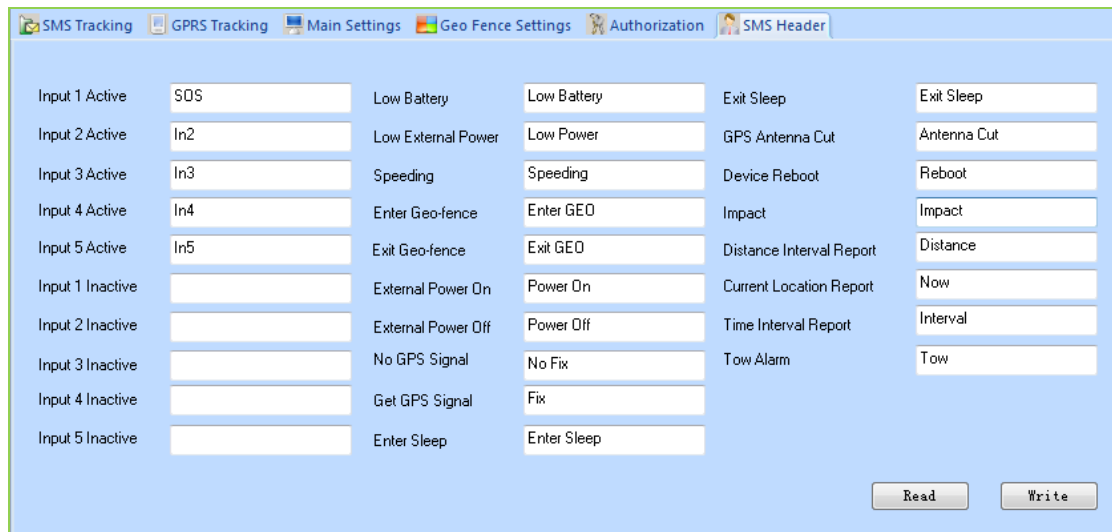
Description of other events

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

File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Project:	MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i	Creation Date:	2010-03-25
Sub Project:	Parameter Editor User Guide	Update:	2011-08-01
Revision:	V1.06	Page:	12 of 13
		Confidential:	External Documentation

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

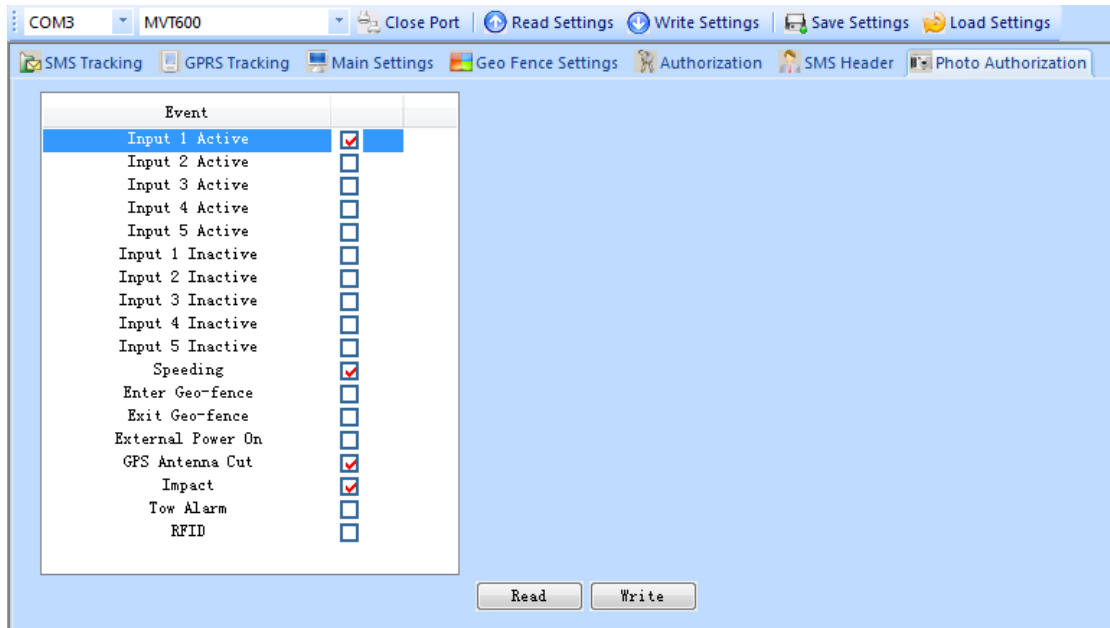
**Tab 6: SMS Header**



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.

File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Project:	MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i	Creation Date:	2010-03-25
Sub Project:	Parameter Editor User Guide	Update:	2011-08-01
Revision:	V1.06	Page:	13 of 13
		Confidential:	External Documentation

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

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