	File Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
Consitrack	Project:	MVT340/MVT380/MVT100/	Creation Date:	2010-03-25
Every Step in Tracking		MVT600/T1/MT90/MT88/MT80i	Update:	2011-08-01
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# **MEITRACK®** Parameter Editor

User Guide



ile Name:	MEITRACK Parameter Editor	Creator:	Cavana Cheung
roject:	MVT340/MVT380/MVT100/	Creation Date:	2010-03-25
	MVT600/T1/MT90/MT88/MT80i	Update:	2011-08-01
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## 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<sup>®</sup> 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.



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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:

MEITRACK Parameter Ed	ditor	
File Help		
СОМЗ 💌 МУТЗ80	🗾 😓 Open	Port 🛛 🕜 Read Settings 🗿 Write Settings 🛛 层 Save Settings 🐋 Load Settings 🝃
SMS Tracking MVT600 MVT100 MVT340	in Setting	s 📕 Geo Fence Settings 🏋 Authorization 🦙 SMS Header
Phone Number		
SMS Report Interval	0	min
Auto Report Times	0	
		Read
		<b>II.</b>
	-	

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

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	MEITRACK Parameter Editor MVT340/MVT380/MVT100/ MVT600/T1/MT90/MT88/MT80i Parameter Editor User Guide V1.06	MEITRACK Parameter Editor     Creator:       MVT340/MVT380/MVT100/     Creation Date:       MVT600/T1/MT90/MT88/MT80i     Update:       Parameter Editor User Guide     Page:       V1.06     Confidential:

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:

MEITRACK Parameter Editor	X
Read data successfully.	
ОК	

## Tab 1: SMS Tracking

SMS Tracking 📘 GPRS	Tracking 🛛 📙 Main Settings	; 🛃 Geo Fence Settings	🖁 Authorization	💦 SMS Header
User Password	0000			
Phone Number	13728687749	]		
SMS Report Interval	10	min		
Auto Report Times	3			
		Read Write		

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

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# Tab 2: GPRS Tracking

SMS Tracking 📃 GPR	S Tracking 🛛 📕 Main Settings 🛛 🛃 Geo Fence Settings	🦹 Authorization 🦙 SMS Header		
GPRS	TCP	Event	GPRS	-
GPRS Inverval	0 10 *	Input 1 Active	<ul> <li>Image: A set of the set of the</li></ul>	
GPRS Report Times	0	Input 2 Active	✓	
		Input 3 Active		
IP	ebc99.oicp.net	Input 5 Active		
Port	8051	Input 1 Inactive	Ĥ	
Secondary IP	ebc99 picp pet	Input 2 Inactive	ă	
		Input 3 Inactive		
Port	8051	Input 4 Inactive		
APN	CMNET	Input 5 Inactive		-
APN Username		Low Battery	H	-
ADM Decouvered		Speeding		
APN Password		Enter Geo-fence		
Tracker ID	356895034361264	Exit Geo-fence	<b>V</b>	
		External Power On		
	Read Write	External Power Off		
		No GPS Signal		
		Enter Sleep	H	
		Exit Sleep	H	
		GPS Antenna Cut	Ξ.	
		Device Reboot		
		Impact	✓	
		Heartbeat Report		-
		Handing Change Benerk	1.4	

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



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

Event	Description	Applicable Model
	(if the box is ticked, event will be included in GPRS report)	
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	All
Low External	External nower (car hattery) is lower than	MVT100/3/10/280/600
Power	nredefined voltage	T1
i owei	You can define voltage in Main Settings.	11
Speeding	Tracker's speed is over the predefined speed limit.	All
-p8	You can define speed limit in Main Settings.	
Enter Geo-fence	Alarm when tracker enters the predefined	All
	Geo-fence waypoint	
Exit Geo-fence	Alarm when tracker exits the predefined Geo-fence	All
	waypoint	
	You can define waypoints in Geo Fence Settings.	
External Power	Alarm when external power supply is on or recover	MVT100/340/380/600
On		T1
External Power	Alarm when external power supply if off or cut	MVT100/340/380/600
Off		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	All
	You can define sleep mode in Main Settings.	
GPS Antenna Cut	Alarm when the GPS antenna is disconnected or	MVT340/380/600
	cut	T1
Device Reboot	Alarm when the device is reboot	All
Impact	Alarm when the tracker(with impact sensor)	MVT100/380/600, T1
	detects impact or crash	
Heartbeat Report	Turn on heartbeat report	All
	You can define heartbeat interval in Main Settings.	

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

# Tap3: Main Settings

SMS Tracking 📃 GPRS	Tracking 📙 Main Se	ettings 🛃 Geo Fence Settings	🖹 Authorization	🎊 SMS Header
Protocol	Auto Event Report		-	
SMS Time Zone	480	min		
GPRS Time Zone	480	min		
Distance Interval	0	meters		
Heading Change Report	80	Degree		
Speeding Alarm	100	km/h		
Low External Power	9.000000	V		
Heartbeat Interval	0	min		
Log Interval	0	\$	_	
GPS Sleep Mode	Cancel sleep mode	-	•	
Power Down	30	min		
Tow Alarm	10	s		
LED Off				
Buzzer Off				
			Read	Write

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



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



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	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

🔀 SMS Tracking 📃 GPRS Tracking 📕 Main Settings 📕 Geo Fence Settings 🕅 Authorization   SMS Header					
WayPoin	t Latitude	Longitude	Radius(M)	In Alarm	Out Alarm
1	0.000000	0.000000	0		
2	0.000000	0.000000	0		
3	0.000000	0.000000	0		
4	0.000000	0.000000	0		
5	0.000000	0.000000	0		
6	0.000000	0.000000	0		
7	0.000000	0.000000	0		
8	0.000000	0.000000	0		
					Read Write

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.

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### Tab 5: Authorization

🔀 SMS Tracking 📃 GPRS Tracking	📕 Main Settings	🛃 Geo Fence Settings	Authorization	SMS Header	
Authorization Phone					Read Write
Event					
Input 1 Active Input 2 Active Input 3 Active Input 3 Active Input 5 Active Input 5 Active Input 2 Inactive Input 2 Inactive Input 3 Inactive Input 4 Inactive Input 5 Inactive Low Battery Low External Power Speeding Enter Geo-fence External Power On External Power On External Power On External Power Off No GPS Signal Get GPS Signal Enter Sleep Exit Sleep GPS Antenna Cut Device Reboot Impact Distance Interval Report					
Press Input 1 (SOS) to Call Press Input 2 to Call Press Input 3 to Cal Press Input 4 to Call Press Input 5 to Call Reject Incoming Call Report Location after Calling in Auto Answer Incoming Call Listen-in (voice monitoring)					

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,



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

# Tab 6: SMS Header

🔀 SMS Tracking 📃 GPRS Tracking 📮 Main Settings 📕 Geo Fence Settings  🦹 Authorization 👫 SMS Header					
Input 1 Active	SOS	Low Battery	Low Battery	Exit Sleep	Exit Sleep
Input 2 Active	ln2	Low External Power	Low Power	GPS Antenna Cut	Antenna Cut
Input 3 Active	ln3	Speeding	Speeding	Device Reboot	Reboot
Input 4 Active	In4	Enter Geo-fence	Enter GEO	Impact	Impact
Input 5 Active	In5	Exit Geo-fence	Exit GEO	Distance Interval Report	Distance
Input 1 Inactive		External Power On	Power On	Current Location Report	Now
Input 2 Inactive		External Power Off	Power Off	Time Interval Report	Interval
Input 3 Inactive		No GPS Signal	No Fix	Tow Alarm	Tow
Input 4 Inactive		Get GPS Signal	Fix		
Input 5 Inactive		Enter Sleep	Enter Sleep		
					Write

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.

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## Tap 7: Photo Authorization (only for MVT600)

COM3 MVT600	🝸 😓 Close P	ort 🛛 🕜 Read Settings	🕑 Write Settings	🔒 Save Setting	s 💫 Load Settings
🔀 SMS Tracking 📃 GPRS Tracking	📕 Main Settings	🛃 Geo Fence Settings	🔀 Authorization	💦 SMS Header	Photo Authorization
Event					
Input 1 Active					
Input 2 Active					
Input 3 Active					
Input 4 Active					
Input 5 Active					
Input 1 Inactive					
Input 2 Inactive					
Input 3 Inactive					
Input 4 Inactive					
Input 5 Inactive					
Speeding	<b>V</b>				
Enter Geo-fence					
Exit Geo-fence					
External Power On					
GPS Antenna Cut	Image: A start and a start				
Impact	✓				
Tow Alarm					
RFID					
		Read	#rite		

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

**A** 

🕐 Read Settings 🕐 Write Settings   📑 Save Settings 😥 Load Settings 📄			
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.