

1. Introduction

This GPS Tracker Parameter Editor is used for configuration for the GPS Trackers GT30, GT30X, GT60, VT300, VT310, and MVT400 by computer.

2. Hardware and Software Required

- A personal computer or laptop with Windows 2000, Windows XP, or Windows Vista.
- One USB cable and one USB-to-Serial Adaptor supplied by us.



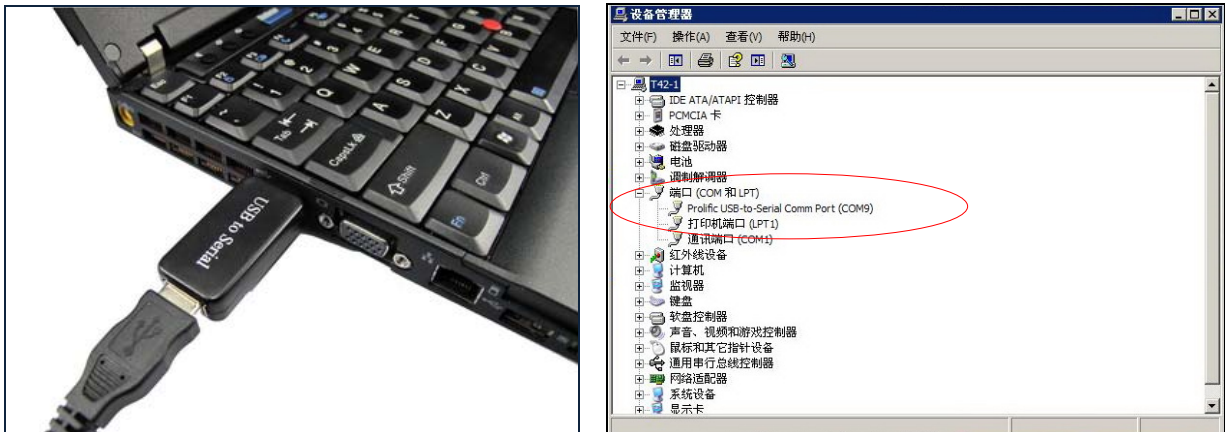
- USB-232 Driver for USB-to-Serial Adaptor
- GPS Tracker Parameter Editor

3. Installation and Connection

- Run 'PL-2303 Driver Installer' to install the driver for the USB-to-Serial Adaptor.

Note: PL-2303 Driver Installer is in the folder 'USB-232 Driver' in the CD.

- Connect the USB cable and USB-to-Serial Adaptor with your computer and then open Device Manager. 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 GPS Tracker Parameter Editor. It is COM9 in this example and it would be COM3 or COM4...in your computer.

4. Configuration

- Connect the tracker (GT30, GT30X, GT60, MT80, VT300, VT310, or MVT400) to your computer by the USB cable and USB-to-Serial Adaptor.



- Run 'GPS Tracker Parameter Editor V1.39.exe'(or versions above) and the following configuration

window will be opened:

- Select the same COM as the Device Manager shows and click '**Start**'.

- Press and hold the SOS button and turn on the tracker, all LED lights will be on. The tracker is now ready to be configured. Click the '**Read**' button to read all preset parameters.



GPS TRACKER PARAMETER EDITOR V1.39

(Note: For VT300, VT310 and MVT400, if there is no SOS button available, connect the white cable [Input1] and black cable [GND] directly and turn on the device)

● Setting Instructions

The screenshot shows the 'GPS Tracker Parameter Editor V1.39' window. It features a 'COM9' dropdown, 'Close', 'Read', 'Write', 'Auto', and 'Default' buttons at the top. The 'GPRS' section includes a checkbox, a 'TCP' dropdown, 'Tracker ID', 'APN' (CMNET), 'APN Account', 'APN Password', 'IP' (ebc99.oicp.net), 'Port' (8051), and 'Interval' (0 sec) with an 'Apply' button. The 'SMS Tracking' section has 'SMS Tracking No' and 'Interval' (0 sec) with an 'Apply' button. Below these are fields for 'Password' (000000), 'Prefix (area code)', 'Wiretapping', 'Logging' (0 sec), 'Power Saving' (0 min), 'Low Battery' (Nul), 'Sleep Mode' (0), 'Over Speed' (0 km/h), 'Time Zone' (0 min), and 'Geofence' (Nul), each with an 'Apply' button. The 'Authorized Phone No' section contains three rows for 'Call', 'SMS', and 'SOS Button / IN1', 'Button B / IN2', and 'Button C / IN3'. The 'SMS Initials' section has three rows for 'SOS Button / IN1' (SOS Alarm!), 'Button B / IN2' (Cry For Help!), and 'Button C / IN3' (Call The Police!), each with an 'Apply' button. The 'Extended Settings' section at the bottom has checkboxes for 'Call for SMS', 'String Format', 'Auto Shut', 'Tracker-on', 'Blind Area', and 'LED Off'. A 'Start Update...' button is at the very bottom.

- **GPRS** - Check GPRS to enable GPRS tracking
- **TCP/UDP** - Choose TCP or UDP communication
- **Tracker ID** - Set GPRS ID for the tracker. For example: 888888
- **APN** - Name of your APN provider
- **APN Account and APN password** - Input user name and password if any. If not, leave these two items blank
- **IP and Port** - Input the IP and Port of your server
- **Interval** - Set interval for GPRS tracking

Click the 'Apply' button to apply above settings

- **SMS Tracking No** - Authorize a mobile phone number for receiving SMS of location report
- **Interval** - Set interval for SMS tracking

Click the 'Apply' button to apply these two settings

- **Password** - Set or change user's password for sending SMS commands.
- **Prefix (area code)** - Be advised caution in this setting. Normally, your country code (for example in China it is +86) will be automatically added and displayed prior to a phone number when sending SMS. In this case, you should leave this column blank. If the country code is not added you are required to input the country code here, for example, +86.
- **Wiretapping** - Set phone number for voice wiretapping (listen only).

- **Logging** - Set interval for logging
- **Power Saving (Power Down)** - Set power saving mode when tracker is inactive. In power saving mode, GPS stops working and GSM enters standby mode. For example, if it is set 10, the tracker with motion sensor will enter power saving mode when it is stationary for 10 minutes.
- **Low Battery** - This is to set low battery alarms
- **Sleep mode** - Set sleep mode for power saving. 0: turn off sleep mode. 1: sleep mode. 2: deep sleep mode

Note: Here is some explanation for the sleep mode. Assume that the GPS acquisition time is ONE minute.

[1] In Sleep Mode

The GPS module will be working for the first three minutes (i.e. 3 times of acquisition time) and then shut down for ONE minute (i.e. equivalent to acquisition time), and then work again for another three minutes.....

[2] In Deep Sleep Mode

The GPS module will be working for the first two minutes (i.e. twice of acquisition time) and then shut down for ONE minute (i.e. equivalent to acquisition time), and then work again for another two minutes.....

- **Over Speed** - Set speeding alarm
- **Time Zone** - Set time difference in minute to GMT (default time zone is GMT).
For those ahead of GMT just input the time difference in minute. For example, 120;
For those behind GMT, '-' is required. For example, -120.
- **Geofence** - Nul: to disable geo-fencing function; Out: to set geo-fencing alert when tracker exits geo-fencing area; In: to set geo-fencing alert when tracker enters geo-fencing area.

Click each 'Apply' button to apply each setting.

- **Authorized Phone No** – Set authorized phone numbers for buttons or inputs for receiving phone call or SMS when each button is pressed.

Click button 'SOS Button/IN1', 'Button B/IN2', or 'Button C/IN3' to apply setting for each button/input.

Note: the authorized phone number for SOS button will also receive other alarms (such as speeding alarm, low battery alarm, geo-fence alarm...) from the tracker.

- **SMS Initials** – Set initial characters for SOS message when SOS Button/IN1, Button B/IN2, Button C/IN3 is pressed.

Click each 'Apply' button to apply setting for each buttons/inputs.

- **Call for SMS**

Blank: Close location report function when a call is made to the tracker;

Checked: Open location report function to get position SMS by calling the tracker

- **String Format**

Blank: Analyze position SMS format to be read easily. For example:

Latitude = 22 32 36.63N Longitude = 114 04 57.37E, Speed = 2.6854Km/h, 2008-12-24, 01:50

Checked: Location SMS format is in NMEA 0183 Format. For example:

\$GPRMC,072414.000,V,3114.3763,N,12131.3255,E,0.00,0.00,050805,*00

- **Auto Shut**

Blank: The tracker does NOT automatically hang up when one call is incoming.

Checked: The tracker hangs up after 4~5 rings of an incoming call

■ **Tracker-on**

Blank: The tracker does NOT send SMS alarm when it is turned on

Checked: the tracker sends one SMS to the authorized phone number for SOS button when it is turned on.

■ **Blind Area**

Blank: The tracker does NOT send SMS alarm when it enters/exits GPS blind area.

Checked: The tracker sends one SMS alarm to the authorized phone number for SOS button when it enters/exits GPS blind area.

■ **LED Off**

Blank: The LED light(s) in normal flashing status when the tracker works

Checked: Turn off the LED light(s) when the tracker is working.

There is no Apply button for the extended settings. When each box is checked or un-checked, it will be configured to the tracker immediately.

■ **Write** - There are two functions for this button.

- If you have several items to be set, you don't have to click the Apply button one by one. When you finish all inputs, click the Write button to apply all the settings to the tracker.
- Or if you want to apply same settings to another tracker, click Write button when a new tracker is connected and ready to be configured.

■ **Auto** - when configuration is complete and you need to apply same parameters/settings to other trackers (for bulk configuration), you can simply check 'Auto' to make an automatic configuration. After another tracker is connected and turned on by pressing and holding SOS button, immediately it will be automatically configured.

■ **Default** - Initialize all parameters of the tracker back to factory default. Restart the tracker to apply default settings.

■ **Read** - Click Read button to read tracker's previous settings or to check if your inputs have been set to the tracker at any stage.

■ **Close** - Click Close when configuration is complete and then remove the tracker. The COM port will be closed.