

# PROFESSOR TECHNOLOGY CO.,LTD

**Smart GPS/ GPRS Tracker Solution**

**GPM300 GPS Tracker**

**GPM300-Quad-Band**

The advertisement features a central graphic with a world map and several mobile phones displaying tracking software. On the left, there are two views of a white GPS tracker device. On the right, a red quad-band module is shown with its technical specifications: 'GPM300-Q for Simsim 800 Module 850/900/1800/1900 MHz'.

**Smart GPS/ GPRS Tracker Solution**

**GPS**

**GPM300-Q\_\_Quad-Band GPS Tracker**  
**GPM300-D\_\_Dual-Band GPS Tracker**

This advertisement illustrates the versatility of the GPS trackers. It includes images of a white tracker, a truck, a yellow excavator, a globe, a blue suitcase, a child, a man, a scooter, a bicycle, and a motorcycle. The text 'GPS' is prominently displayed next to the globe.

## GPM300 GPS/GPRS Smart Tracker Solution

### Specification:

**GPM300-Q Quad-Band 850/900/1800/1900MHz**

**GPM300-D Dual -Band 900/1800MHz**

**GPRS: TCP/IP build in GSM Module**

**GPS : SiRF GSC3 f/LPx**

**Channels:20 channels**

**Sensitivity:Tracking -159dBm**

**GPS Postioning time: Cold start < 38sec (Open Sky)**

Warm start < 15sec

Hot start < 2~3 sec (Open Sky)

GPS positioning precision:10m (2D RM)

Voltage : 3.6vDC

LED : GPS (Blue) GSM(Green) Charging(Red)

SOS: SOS large rescue button

Standby time: more than 7 days.

Voice monitoring: effective listening range of 5 meters

G-sensor: built-in G-sensor circuit

Normal function: replay positioning monitor / track / mileage check

Power input: 5V charge voltage (mini-USB interface)

Operating Current: 60 mA (Standby current 3 mA)

Command queries and settings: Support SMS settings / platform settings

Prevent coordinate offset: designed prevent coordinate offset circuit

Operating temperature: -10 °C to + 60 °C

Storage Temperature: -20 ° C to +70 ° C

Operating Humidity: 45% to 80% RH

Uploads have three options:

- 1) Set a fixed time to upload mode
- 2) distinguish the static and dynamic upload mode
- 3) standby and operation of setting a fixed time upload mode

Dimensions: 88 (L) X 46 (W) X 18.5 (H) mm

Weight: 70g.

The screenshot shows a GPS tracking software interface. The top part features a map of East Asia, including China, Korea, and Japan, with several locations marked with yellow circles and labeled 'Test Oto 1', 'Test Oto 2', and 'p001'. The interface includes various navigation and control buttons like 'Thu nhỏ', 'Phóng to', 'Toàn màn hình', and 'Tìm kiếm'. On the right side, there is a 'Trạng thái xe trợ giúp' (Vehicle Status Help) section with icons for 'Đang chạy' (Running), 'Tắt máy' (Power off), 'Chạy' (Run), 'Ăn-ten GPS' (GPS Antenna), 'Bình thường' (Normal), 'Va chạm' (Collision), 'Ngủ' (Sleep), 'Khởi hành' (Start), 'Tắt 01' (Off 01), 'SOS', 'Khẩn cấp' (Emergency), 'Cho phép' (Allow), 'Cấm' (Prohibit), 'Tắt' (Off), 'Kéo' (Drag), 'Hạn chế' (Restrict), and 'Đường đi' (Route). Below the map is a 'Giám sát' (Monitoring) section with a list of vehicle IDs and their status: 'Dat 5822 test sim mobil2', 'Hoa 5566', 'Khanh5772', 'Test Oto', 'Khai 6283 test sim mobil', 'Dung 5897', 'test(4)', 'p001', 'p002', 'p003', and '1234'. At the bottom, there is a table with columns: 'Biển số xe' (Vehicle License Plate), 'Thời gian GPS' (GPS Time), 'Kinh độ' (Longitude), 'Vĩ độ' (Latitude), 'Tốc độ (km/h)' (Speed (km/h)), 'Hướng đi' (Direction), 'Vị trí' (Location), 'Tốc độ giới hạn' (Speed Limit), 'Trạng thái' (Status), and 'Đường...' (Route). The table contains four rows of data for different vehicles.

Biển số xe	Thời gian GPS	Kinh độ	Vĩ độ	Tốc độ (km/h)	Hướng đi	Vị trí	Tốc độ giới hạn	Trạng thái	Đường...
p002	2012-02-09 07:38:35	121.245338	24.980259	19	Northeast	Sôngkang South Rd, Jhongli City, Đào Viên, Đài Loan 320	No Limited	(109)	
Khanh5772	2012-02-06 06:58:10	106.716681	10.628552	0	North	Khu Vạn Cảnh, khu phố 3, Hiệp Bình Chánh, Thủ Đức, Hồ Chí Minh, Việt Nam	Limited 60	Off-Line	
Hoa 5566	2012-02-06 13:06:30	106.717773	10.792947	0	Northeast	Nguyễn Hữu Cảnh, phường 22, Bình Thạnh, Hồ Chí Minh, Việt Nam	No Limited	Off-Line	
Test Oto	2012-02-08 16:30:38	106.716155	10.792933	0	North	Nguyễn Hữu Cảnh, phường 22, Bình Thạnh, Hồ Chí Minh, Việt Nam	No Limited	Off-Line	

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GPM300-G1203-003A

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# GPM300-Q &GPM300-D COMMAND SETTING

## Main commands:

1. Register mobile number (register the mobile number to the tracker and the tracker is only workable for the registered number)  
Commands format: &&S,123456,S03,8613912345678  
86 is country code, 13912345678 is the new mobile number  
The mobile can use the number to send commands like &&X.....&&Z, &&Y... etc. to tracker afterward.
2. Modify commands through APN connection  
Command format: &&Z10, CMNET, MP, HZ496,1  
APN=CMNET, account=MP, passwords=HZ496, 1 means to open the command  
Remark 1: if there are no account and passwords, leave the space, like: &&Z10,CMNET,,,1  
Remark 2: the tracker is needed to restart after modifying commands. Turn on again or send command &&Y09 to restart. If you choose to turn on the power, you have to disconnect the power and take out SIM card as well (the power will be turned off completely as SIM card exits).
3. Set IP and Port commands  
Commands format: &&Z39,1,119.146.85.150,8800,1  
IP=119.146.85.150, Server Port=8800, 1 means to open the command  
Remark: the tracker is needed to restart after modifying commands. Turn on again or send command &&Y09 to restart. If you choose to turn on the power, you have to disconnect the power and take out SIM card as well (the power will be turned off completely as SIM card exits).

## Other Commands

1. Modify tracker's passwords (you don't need set the command, if you don't want to modify)  
Commands format: &&S,123456,S01,666666  
Old passwords=123456, New passwords=666666 (original passwords=123456)
2. Turn off LED light (you don't need set the command, if you don't want a hidden installation)  
Commands format: &&S,123456,S05,1#  
1 means to turn off LED display, set "0" to return to normal display  
(Remark: You can turn off LED display after installation if you don't

want others to know your installation position.)

3. Inquire current coordinates

Commands format: &&Y01

Tracker will have a message about coordinates after you send the command

4. Inquire hardware version

Commands format: &&Y06

5. Optional command- restart

Commands format: &&Y09

6. Optional command-Cutoff of Gas and power

Commands format: &&XA5

(Note: the cutoff will be intermittent when the vehicle runs in high speed; the cutoff will be one time per second until the vehicle slows down).

7. Optional command- release cutoff

Commands format: &&XA6

8. Inquire if Cutoff of gas and power is successful

Commands format: &&Y56

Tracker will have a message “on” or “off”; “on” means cutoff is on and “off” means cutoff is closed

### **Troubleshooting**

Please remember to make sure if your SIM card is able to get GPRS service and it is not suspended because of overdue bills

Notices:

1. When setting the commands, you have to input English characters and punctuations to mobile (under English version), or the commands will be failed.
2. The tracker will be in sleeping mode when the vehicle stops for a while. At that time, the tracker cannot receive the commands from platform and you have to send commands by mobile. You have to shake the tracker to be in working mode if you want to send commands through platform.
3. You have to shake the tracker as best as you can while installation since the tracker will be in sleeping mode for the sake of saving power. (The tracker is embedded an auto sensor to detect static status and it easily goes to sleeping mode).

# GPM300-Q & GPM300-D Install/Setting

a. GPM300 Battery charging



b. Simcard Install



c. GPM300 Power on

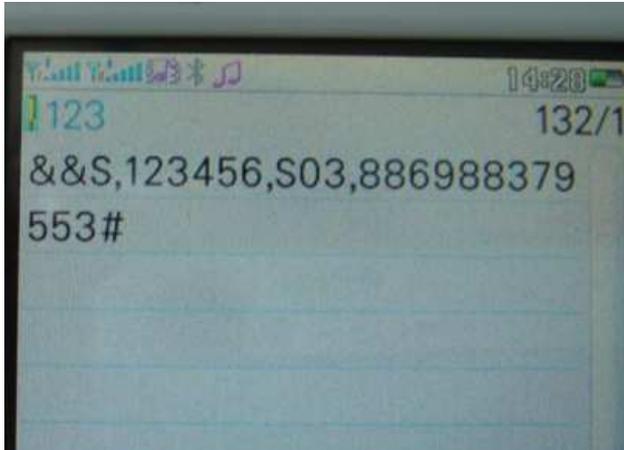


d. Remote Control Mobile

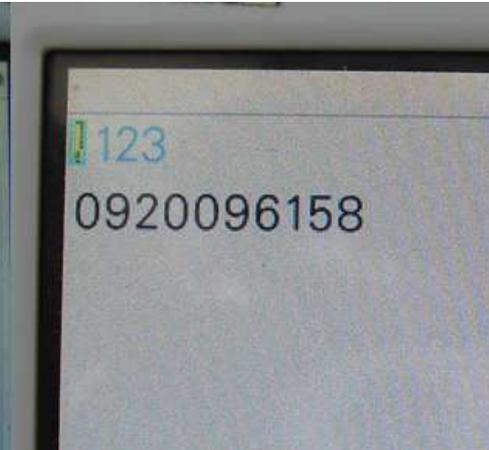


Remote Control Mobile Phone No: 886-988-379553  
GPM300 SIM Card Number #886-920-096158

e. Set Remote Control No  
&&S,123456,S03,886988379553#



f. Send SMS to GPM300 SIM Card No



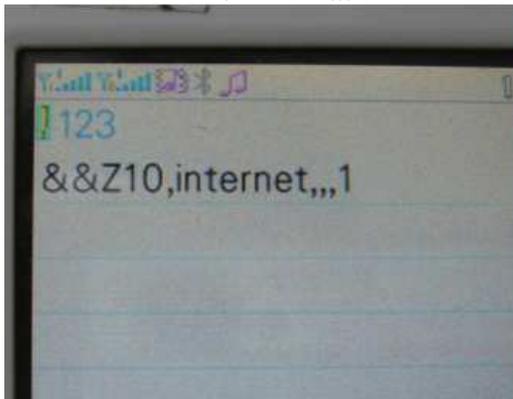
**g.After setting return SMS**



**h.Set "OK" SMS from GPM300**



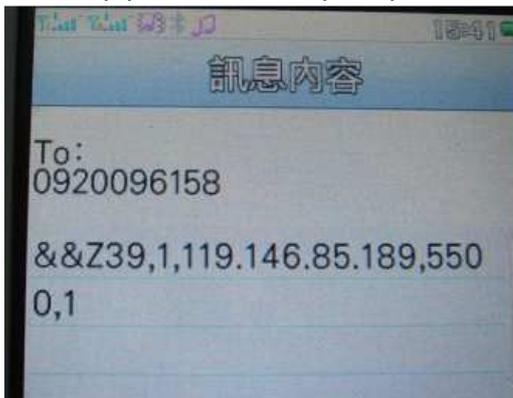
**i.Set APN &&Z10,internet,,1**



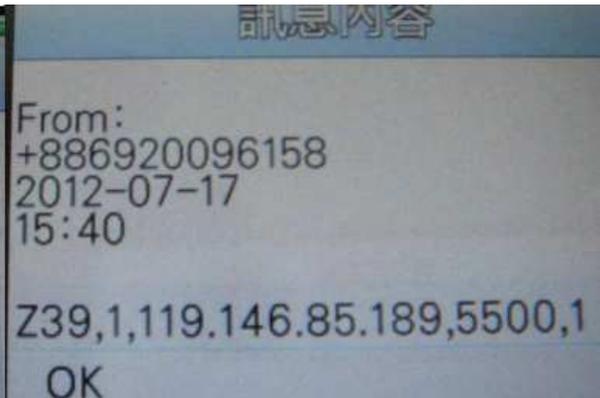
**j.Set APN "OK" Return SMS**



**k.Set IP,Port &&Z39,1,119.146.85.189,5500,1**



**l.Set IP,Port Done,Return SMS from GPM300**



**After setting IP, Port and then Re-inserted SIMcard  
Turn on power to start**