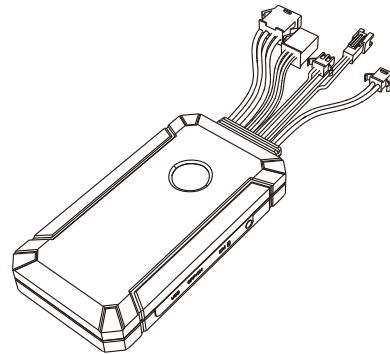


GPS TRACKER
USER MANUAL



Please read the instruction manual carefully before installation and use.

1 Product Parameters & Functions

1.1 Product Parameters

Item	Name	Specification
Main Features	Size	100x53x17mm
	Battery	180mAh
	Voltage Range	9V - 75V
GPS	GPS Fixed Time	Hot<1sec (Open Sky)
		Cold<32sec(Open Sky)
	Positioning Accuracy	< 10m
Working temperature		-30°C~60°C

Operating Frequency Band(RF):

GSM 850 :824.2-848.8MHz (TX),869.2-893.8MHz (RX)
GSM 900 :880.2-914.8MHz(TX),925.2-959.8MHz(RX)
DCS :1710.2-1784.8MHz(TX),1805.2-1879.8MHz(RX)
PCS :1850.2-1909.8MHz(TX),1930.2-1989.8MHz(RX)
WCDMA Band1 :1920-1980MHz (TX),2110-2170MHz (RX)
WCDMA Band2 :1850-1910MHz(TX),1930-1990MHz(RX)
WCDMA Band5 :824-849.0MHz(TX),869-894.0MHz(RX)
WCDMA Band8 :880-915MHz(TX),925-960MHz(RX)

Modulation mode:

WCDMA Uplink: BPSK/QPSK/16QAM;
WCDMA Downlink: BPSK/QPSK/16QAM64QAM
GSM850 EGSM900 8-PSKDCS1800 PCS1900 8-PSK

RF output power

Class 3 (24dBm+1/-3dB) @WCDMA bands
Class E2 (27dBm±3dB) @GSM850 EGSM900 8-PSK
Class E2 (26dBm±3dB) @DCS1800 PCS1900 8-PSK
Class 4 (33dBm±2dB) @EGSM900 GSM850
Class 1 (30dBm±2dB) @DCS1800 PCS1900

Operate at 20 cm or more from nearly persons

FCC This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference
(2) this device must accept any interference received, including interference that may cause undesired operation.
Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: —Reorient or relocate the receiving antenna. —Increase the separation between the equipment and receiver.

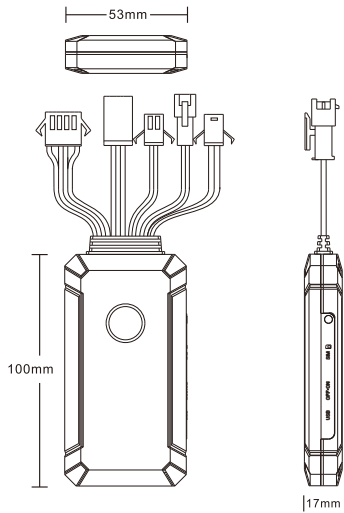
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

2 Product Features

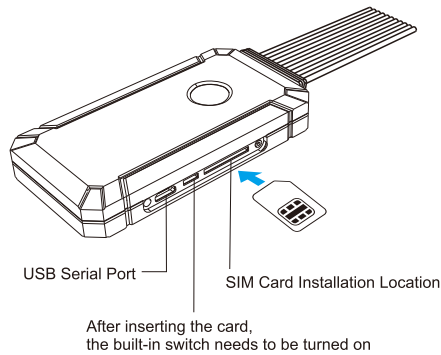
NOTED SIM Card needs SMS, data service and phone call functions.



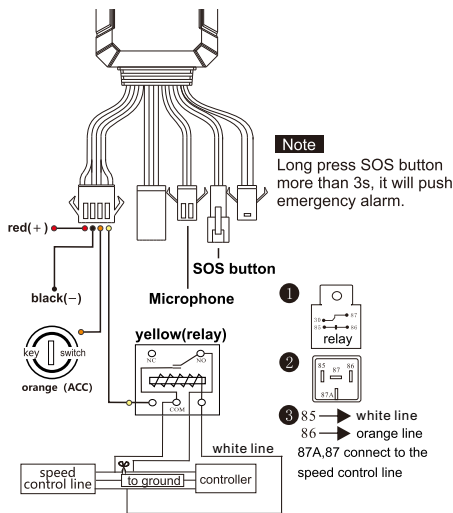
3 Product Size



4 Sim Installation



5 Wire Connection



6 LED Indicator

LED type	LED status	Meaning
Yellow Light	Slow flash	GSM initialization
	Steady	GSM communication normal
	No Light	GSM in sleep mode / shut down
Blue Light	Slow flash	Searching for satellite signals
	Steady	GPS / BDS is located
	No Light	GPS is in sleep mode
Red Light	Steady	GPS unit ON

7 Product Installation

Please consult a technician for installation.

Installation Precautions

- The device should be installed in a waterproof and dry place.
- Please insert SIM card before connecting power and switching ON.
- Ensure device light in the front and there is no metal cover.
- Secure with a cable tie or sponge double-sided tape.

8 Quick Operation Instructions

1.APN setting

To ensure GPRS is active, please make sure APN is correct. You can send SMS command to set APN.
APN command
Format: **APN,APN's Name#**
Eg: **APN,internet#**
(‘internet’ is the APN of carrier)

2.Server Setting

Default platform is **www.wanwaygps.com**
Connect the device to another platform, please send the SMS command to change the server IP:
Change IP by domain name
Format: **SERVER,1,WW9006.gpsog.com,9006,0#**

Change IP by IP name
Format: **SERVER,0,101.37.243.249,9006,0#**

3.Check Param Setting

You can check the parameter setting by command: **PARAM#**
Eg: **PARAM#**
Reply Content includes:
ID, IP, APN, etc.

9 Working Description

- Turn on the switch after inserting SIM card and connect the device to the vehicle power, and then the indicator lights will start blinking.
- If the device is using its own built-in battery, the power indicator light (red) will slowly blink after turning on manually.
- A few seconds later both GSM light and GPS light will be steady and device will enter into normal working status.

10 Trouble Shooting

Problem	Description	Solution
Failed to connect the internet	SIM card not installed	Check the SIM card
	SIM card not installed properly	Install again
	No GSM network	Move the device to the GSM network area.
Location failed	Weak GSM network	Move the device to strong GSM network area.
	SIM card has no GPRS functions	Contact SIM card supplier to activate the GPRS function
	Always reply "failed to get location"	Contact the supplier
No GPS location	Some poor signal areas like basement, tunnels are not able to acquire GPS signals	Move the device to open sky areas

11 Access to Platform

- Platform(www.wanwaygps.com).
- Android and IOS APP(Scan the qr code to download app).



There are two methods to login in the platform or app.

- Login by IMEI number(the 15 digits in the back of the device), password: the last 6 digits of IMEI number.
- Contact the supplier to create an account for you.