



PS22

GPS VEHICLE TRACKER

PS22 is a 4G vehicle OBD II positioning device that can realize functions such as electronic fences, remote tracking, and vehicle diagnosis. The terminal can meet the needs of related scenarios such as car monitoring, online car rental, and car rental.

PS22 size is 60x46x22mm, small size, easy to install and fix, the product has built-in 140mAh rechargeable battery, and it can still send positioning data to the platform terminal continuously after power off; dismantling the device can realize functions such as disassembly alarm.

FUNCTION



Real-time Tracking



Malfunction Diagnostics



Trace Playback



User Define Geo-fence



Built-in Battery



Wifi Hotspot Supported

PARAMETER

Size	60mm(L)*46mm(W)*22mm(H)
Working Temperature	-20°C to 75°C
Working Voltage	9-35V

Weight	56g
Built-in Battery	140mAh

HARDWARE SPECIFICATION

Location Accuracy	≤5m
Positioning chip	AT6558R
Frequency	4G
Positioning Time	Hot Start<1SEC(Open Sky) Warm Start<15SEC Cold Start<32SEC(Open Sky)
GSM Antenna	FPC Antenna
GPS Antenna	Built-in Ceramic Antenna
GPRS	Class12. TCP/IP Built-in GSM Module

Channel	50 Class
GPS Sensitivity	-160dBm
Tracking Sensitivity	-162dBm
Power LED Indicator	Red
GPS LED Indicator	Blue
GPRS LED Indicator	Yellow

SOFTWARE SPECIFICATION

OTA Upgrade	Support
Parameter Setting	SMS Command, Platform
GPRS Upload	Upload Interval Every 10 Seconds
Third-party Checking	WEB/APP

ACC Detection	Support
Geo-fence	Support
Disassemble Alarm	Support
Low Power Alarm	Support

APPLICATION



Car Rental

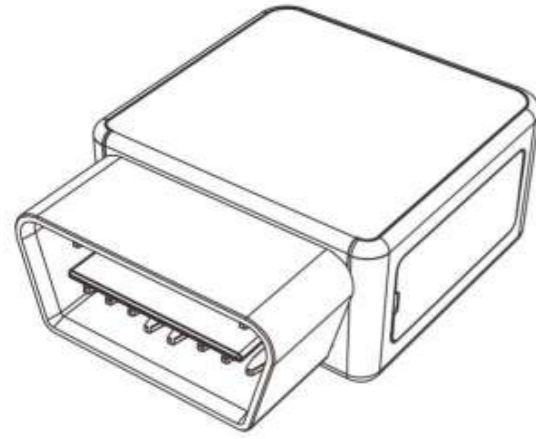


Fleet Management



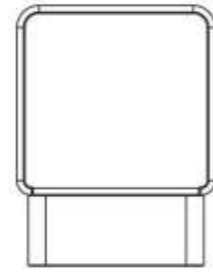
UBI Insurance

GPS TRACKER

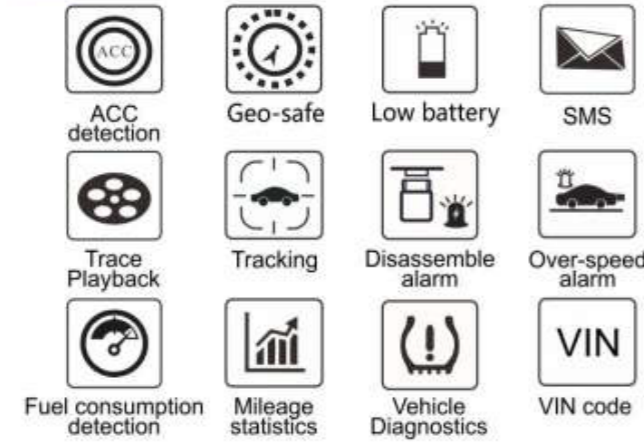


Please read the installation instruction manual carefully before installation and use.

1 Appearance



2 Product Features



*The OBD device is suitable for most vehicle models

3 Inside The Box

Check your product for the following items

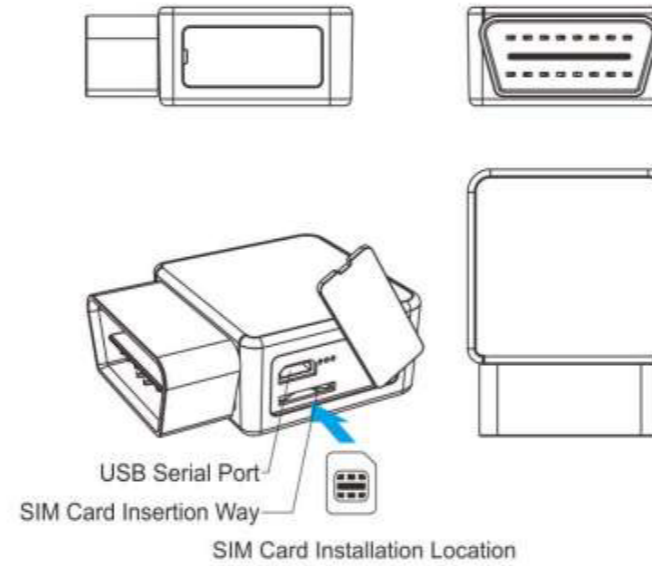
- Device X 1
- User manual X 1

4 Product Parameters

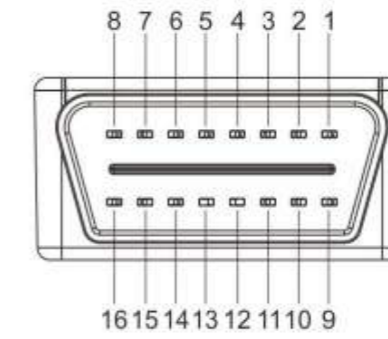
Name	Parameter
Power Supply	Battery
Working Voltage	DC 9V - 35V
Working Current	12V/73.6mA
Sleep Current	12V/38.2mA
Built-in Battery	80 mAh (3.7V Polymer Battery)
Working Temperature	-20°C - 75°C
Locate Mode	GPS/BDS/LBS
Size	58mm * 45mm * 22mm
Location Accuracy	≥5m (The data is only for references; The positioning error is related to geography, time, etc.)

5 Structure Declaration

View of Structure Declaration

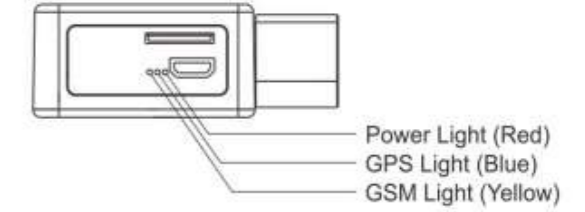


6 Interface Definition Table



Definition	Pin	Definition	Pin
1	N/A	9	N/A
2	N/A	10	N/A
3	N/A	11	N/A
4	GND	12	N/A
5	GND	13	N/A
6	CAN_H	14	CAN_L
7	K_BUS	15	L_BUS
8	N/A	16	B+

7 Indicator Light Definition



Red (Power Light)	Description
Long Bright	Working
No Lights	Sleep Mode/Shut Down

Yellow (GSM Light)	Description
Fast Blinking	GSM Initialization
Slow Blinking	GSM Working Normally
Long Bright	GSM In Sleep Mode

Blue (GPS Light)	Description
Fast Blinking	Searching For GPS Signal
Slow Blinking	GPS Working Normally
No Lights	GPS In Sleep Mode

8 Functions

1. Disassemble Alarm

When the terminal power is cut off, the machine disassemble alarm will be triggered, and the terminal will send out a 'disassemble alarm' to the platform.

2. Geo-fence

After setting up the fence area and selecting the alarm conditions on the platform, the alarm will be triggered according to the alarm conditions in order to remind the service platform, when the terminal enters or leaves the fence area.

3. Overspeed Alarm Threshold

The vehicle speed limit threshold can be set through the platform or SMS. When the vehicle's driving speed within the set time is faster than the speed threshold, a overspeed alarm will occur.

4. Timeout Alarm

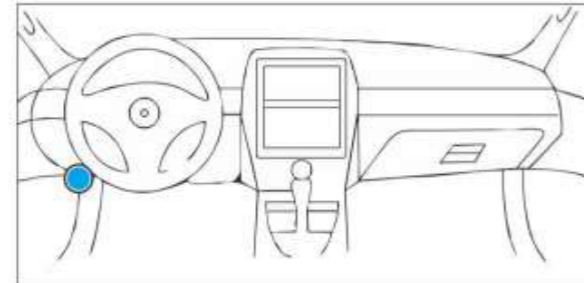
After the vehicle stops, if the parking time exceeds the set time, the parking timeout alarm will be pushed.

5. ACC turns on/off the alarm

When ACC is on or off, the platform will push the alarm

9 Product Installation

Installation Diagram



Insert the device directly into the vehicle OBD interface, which is normally located under the car control of the main driving parts or in the plaques of some vehicle models. Insert the device into OBD interface and check if it is firm, If the positioning indicator light flashes normally, it works!

10 Precautions

In order to avoid failing to normal operation due to incorrect connection, please make sure the OBD tracking device is installed properly, which is not easy to be shaken.

11 Quick Operation Instructions

1. APN setting

To ensure GPRS is activated, please make sure APN is correct. You can send SMS command to set APN.
APN command
Format: **APN123456 APN's Name**
Eg: **APN123456 internet**
(*'internet' is the APN of carrier)

2. Server Setting

Default platform
To connect other platform, please send the SMS command to change the server IP:

Domain setting
Format: **IP Domain Port**

Eg:
IP **WW9808.gpsog.com 9808**

3. Check Param Setting

You can check the parameter setting by command: **CXZT**
Eg: **CXZT**

Reply Content includes:
ID、 IP、 APN、 ACC、 GPRS、 GPS, etc.

12 Operation of Device

Check Location

Via platform
Go to the platform website offered by dealers to check your vehicle location.

13 Trouble Shooting

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

PICTOR®

Call Now: 1800 123 2623

www.pictortelematics.com

PS22 Technical Specification	
Hardware specification:	
Parameter	Description
Communication module brand	QUECTEL
GPS chip	AT6558D
Dimension	60(L)*46(W)*22(H)
Frequency	2G GSM/3G UMTS/4G LTE
GPRS	Class12 TCP/IP build in GSM Module
Chanel	20
Acquisition sensitivity	-160dBm
Tracking sensitivity	-162dBm
Vollage input	9-35V
Locating time	Hot<1SEC(Open Sky)
	Warm<15SEC
	Cold<32SEC(Open SKY)
GSM antenna	FPC Antenna
SOS button	No
Power button	NO
Vibration sensor	Support
Oil/electricity Cut off	NO
Microphone	NO
ACC detection	NO
Power status indication light	RED
GPS light	BLUE
GSM light	YELLOW
Built-in Battery	YES
Battery Capacity	140mAh
Data uploading port	Support
Software spection:	
Parameter	Description
Parameter setting	SMS, Platform
GPRS uploading interval	10 seconds
Working mode	Always connect to be online
Third party query	WEB/APP
SOS button	NO
GEO-FENCE	YES
Remotely cut off power	NO
Cut wire alert	NO
Vibration alert	YES
Remotely hardware status checking	GPS location status(Backend showing)
	GSM signal strength(Backend showing)