WhatsGPS

GPS Positioning Terminal

Model:FINDER XL

Manual

1.Product Features

Real-time Tracking

4G network communication

BDS+GPS dual satellite positioning

OTA remote upgrade

IP67 waterproof design

Bluetooth configuration

Strong magnetic suction

10000 ma rechargeable large battery

Remote listening

Vibration alarm

Multiple working modes

SOS alarm

Low electric alarm

Temperature and humidity detection

GEO-FENCE alarm

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2.1.Appearance

Front

Back

SOS alarm
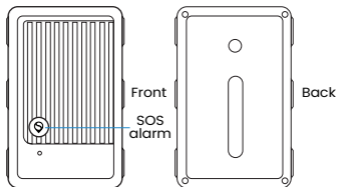
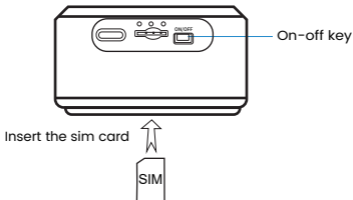## 2.2.Device online operation

2.2.1. Insert the SIM card into the GPS tracker （SIM card requires SMS, data service and phone function）

（Ensure the device is powered, if not, connect the charger to power it）

On-off key

Insert the sim card

SIM

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2.1.2 Command send operation

Please send two text messages to sim card number of GPS tracker using your mobile phone.

1）APN, apnname#

This SMS is used to connect the GPS tracker to your local network.

（APN's name, is the APN of your SIM card's local carrier, such as APN, cmnet# , If you don't know the APN of your sim card, check it by searching or ask your local carrier）
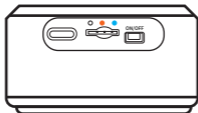
2）SERVER, 1, gps.whatsgps.com, 6801,0#

This SMS is used to connect GPS tracker to WhatsGPS tracking platform

For other platforms, please refer to this format to send commands, see the command list below for details

2.1.3 To see whether the tracker is online, go to www.whatsgps.com or download the WhatsGPS app.

2.3 Indicator light status

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LED type	LED status	Meaning
Orange	Flash	Network initialization
	Slow flash	The network reception signal is normal
	Always on	Network/GPRS online
	Not bright	Network signal is not received / the card is not inserted
Blue	Flash	BD/ GPS signal search
	Always on	BD/ GPS positioning success
	Not bright	GPS sleeping/not working
Red	Always on	Equipment charging
	Not bright	No charge

Ark:If the battery is completely dead, the full charge time is about 8 hours. Mild fever is normal when charging.

2.4 Installation method

The installation mode of the device is hidden installation.

* To avoid damage by thieves, the device location should be hidden as far as possible;

* Avoid being placed with transmitting sources such as reversing radars, burglars, and other in-vehicle communication devices;

* Can be fixed with cable ties, or with wide sponge strong double-sided adhesive;
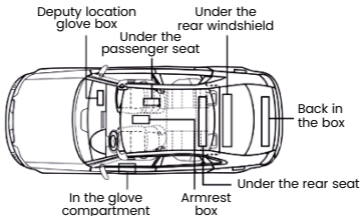
* The device has a built-in GSM antenna and GPS antenna. When installing, it should be sure to face up (towards the sky), and there is no metal shielding above.

2.5 Function declaration

The Bluetooth configuration function needs to be used with the Bluetooth tool software. You can contact the dealer technicians to get the download address or download it through the IOS app store and the Android app store. The specific operation mode can be scanned through the QR code at the end of the manual for video viewing.

The listening function requires the SOS number to use.

3.Installation diagram

Deputy location glove box

Under the rear windshield

Under the passenger seat

Back in the box

In the glove compartment

Armrest box

Under the rear seat

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4.Specifications

Project	Specification	Remark
Operating voltage	3.7V	
Position method	GPS+BDS+LBS+WiFi	
Positioning error	<10 M	
Communications network	2G/4G	
Communication band	Global version: LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66 LTE-TDD B34/B38/B39/B40/B41 GSM 850/900/1800/1900 MHz	
Communication mode	TCP	
Range of working temperature	-20℃~ +75℃	
Working humidity	10% RH ~ 85%RH	
Specifications size	92mm*63mm*36mm	
Weight	317g	

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5.Description of Common Commands

The following commands can be sent by SIM card SMS or WhatsGPS platform

5.1 Common setup commands

SN	Command function	Command format	Remark
1	Set online	SERVER,mode,domai nName/IP,port,0# SERVER,8520,gps.whatsg ps.com,6801,0#	Set the device to point to server IP and port
2	Set APN	APN, [APN's name]# APN, cmiot#	The APN varies according to the local telecom operator
3	Set upload interval	TIMER,[T1]# TIMER,10#	T1: 5~18000 seconds, motion upload interval, the device defaults to 10s ;
4	Heartbeat interval setting	HBT,[T]# HBT,3#	T1: 60~360S, default 180s
5	Set time zone	GMT,[A],[b],[C]# GMT,E,0,0#	A=E/W, for the eastern and western time zones; B: 0~12, is time zone C: 0,15,30,45, which represents the half time zone and defaults to 0.

6	Set the SOS / listening number	SOS,A,[phone1][,phone2][,phone3]#	Add the SOS numbers, and you can add three SOS numbers simultaneously
7	Delete the SOS / listening number	SOS,D,[sequence number 1][, sequence number 2][,sequence number 3]# SOS,[D],[phone number]#	Multiple numbers can be deleted by the serial number or SOS number, and multiple numbers can be deleted simultaneously

5.2. Common query commands

SN	Command function	Command format	Remark
1	Query parameters	PARAM#	Query the currently set parameters of the device
2	Query status	STATUS#	Query the current working status of the device
3	Device restart	RESET#	

5.3.Common alarm commands

SN	Command function	Command format	Remark
1	Vibration alarm	SENALMAM#	A=ON/OFF, default is OFF; M=0/1/2 Alarm mode: 0 only GPRS 1:SMS+GPRS, 2:GPRS+SMS+PHONE
2	Low electric alarm	BATALM,[A][M]#	Please turn on the device power switch in advance. A=ON/OFF, the default is ON; M=0/1/2/3,Alarm mode： 0：only GPRS, 1: SMS+GPRS, 2: GPRS+SMS+PHONE, 3:GPRS+PHONE The default alarm mode is 0.
3	SOS alarm	SOSALM,[A][M]#,[A][M]#	Please turn on the device power switch in advance. A=ON/OFF, the default is ON; M=0/1/2/3,Alarm mode： 0：only GPRS, 1: SMS+GPRS, 2: GPRS+SMS+PHONE, 3:GPRS+PHONE The default alarm mode is 0

5.4.Common working mode instructions

SN	Command function	Command format	Remark
1	Timed positioning mode	MODE,1,T,A,B,C#	Timing positioning mode: T = interval time, 10~86400 seconds; default is 600; A=GPS switch; 0=GPS off 1=GPS on; default is 0 = WIFI off 1 = WIFI switch; default is 1 C = LBS switch; 0 = LBS off 1 = LBS on; default is 1 motion upload location, no upload positioning without movement, GSM data often open (can receive instructions normally)
	Intelligent positioning mode	MODE,2,T,A,B,C,D#	Intelligent positioning mode (default mode): T = interval time, 10~86400 seconds; default is 20; A=GPS switch; 0=GPS off 1=GPS on; default is 1 B = WIFI switch; 0 = WIFI off 1 = WIFI on; default is 1 C = LBS switch; 0 = LBS off 1 = LBS on; default is 0 D = GPRS switch; 0 = GPRS off1= GPRS is on; the default is 110s Once, motion upload, no motion do not upload, gsm often open

	Super power saving mode	MODE,3,T [,A][,B][,C] #	Super power saving mode: T1 = cycle interval; setting range 5–43200 minutes. A=GPS switch; 0=GPS off 1=GPS on; default 1 B = WIFI switch; 0 = WIFI OFF 1 = WIFI on; default 1 C = LBS switch; 0 = LBS off 1 = LBS on; default 1
	Alarm clock mode	MODE,4,A, T1,T2,T3,T4 ...#	Alarm clock mode: A indicates the number of alarm clocks. T1, T2, T3 and T4 represent the alarm time, the number corresponds to A, up to 12 alarms can be set in the format HH: MM
		MODE#	Query working mode

6.Troubleshooting

If you feel something is wrong with your device while operating, see the following questions and solutions. If the problem still cannot be solved, please contact the seller or service provider.

Common Problem	Cause	Solution
Poor signal reception	When devices are used in areas with poor reception, such as near tall buildings or basements, radio waves cannot be transmitted effectively	Use the device in a location with good signal
Unable to connect to the network	The SIM card is not installed properly	Check the SIM card
	Dirt on the metal surface of the SIM card	Wipe with a clean cloth
	Invalid SIM card	Contact your Internet Service Provider
	Out of GSM service area	Please move to ISP service area
	Weak signal	Please move to a strong signal and try again
Shutdown	Please confirm whether the device is switched on	Turn on the device battery switch
	Please check whether the SIM is installed properly	Please install the SIM card properly
	Poor contact	Check that the plug is properly connected

User information

User name		Contact number	
Address			
Product model		IMEI number	
Date of purchase		Invoice number	
Name of the seller			
Seller's address			
Seller's phone number			

*This card is the basic warranty certificate, please fill it carefully and keep it properly.

Warranty Description

Important Note: Please keep this warranty card properly, and enjoy one-year after-sales warranty with this card. If this card is lost, your terminal warranty period will be postponed to your purchase date within 30 days after the factory date of the terminal checked by our company. Second, the scope of the warranty.

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1: During the warranty period, we give free warranty if there is a problem due to the quality of the repair item itself.

2: During the warranty period, such as due to human factors, improper operation, incorrect power supply voltage caused by failure, due to the courier process dropped, damaged by their own disassembly or torn warranty strip, and natural disasters are not covered by the warranty.

3. This warranty does not apply to cases other than defects in materials, design and workmanship.

4. There is no right to extend or renew the warranty for repair or replacement under this warranty.

8.Platform tracking

Installation video

You can watch the installation video of the device and the tutorial video of using the APP on YouTube by scanning the QR code below

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