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DOGGOFIND GPS USER MANUAL



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THE FOLLOWING ARE COMMON QR CODES FOR ANDROID AND IOS APPS:



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2. Product Description

PT32 is a 4G pet GPS Tracker well-designed for pets. It integrates 4G wireless communication technology and GPS/BDS satellite positioning technology. The GPS Tracker adopts industrial-grade all-built-in antenna design, with 3-axis accelerometer built in, and intelligent power-saving wake-up work mode. With real-time positioning, vibration alarm, light search for pet, sound search for pet, roll call positioning and other functions.

3. Product Function

- Real-time tracking
- Track playback
- Geo-fence
- Four working modes
- Low battery alarm
- Pet search by light
- Pet search by sound
- Vibration alarm
- FOTA

Features:

- GPS+BDS+AGPS+LBS multimode positioning
- Support Geo-fence, user set geo-fence through the GPS tracking platform/APP. When the device enters or exits the fence, it can be recognized by the platform and an alarm will be issued;
- Alarms will be sent to GPS tracking platform, and send alert SMS/call to authorized phone numbers;
- Use well-known industrial-grade high-stability GPRS module, built-in GSM high-sensitivity antenna, support TCP/IP data transmission, and support domain name/IP address connection to the server;

- Built-in large capacity memory chip, supports offline data storage, and data complement in blind areas; When the pet is in the place of weak communication signal or serious signal interference, the pet positioning data is temporarily stored in FLASH. When the communication signal recover, these data can be transmitted to tracking platform to avoid data loss. Built in 3-axis accelerometer, integrated with accurate acceleration algorithm, to obtain the current status of pets in real time;
- High-sensitive GPS/BDS dual satellite positioning module, anti-interference ceramic antenna, achieve more stable satellite search signal, support AGPS fast positioning, tracking, synchronous timing;
- Supports online remote upgrade and remote configuration of product parameters;
- The historical track is reserved for 180 days by platform

4. Product Specification

NO.	Item	Specification	Note
1	Size	75.8mm*37.6mm(without hook 30mm)*19mm	
2	Outer case	ABS Plastic	
3	Weight	42.2g	
4	Waterproof level	IP65	
5	Input voltage	5V/1A	
6	Inbuilt Battery	700mAh (Polymer lithium battery)	
7	Standby Current	Average standby Standby Current< 4V/5mA	
8	Working Current	Average Working Current around 4V/60mA	
9	SIM Card	Nona SIM Card	
10	GSM antenna	Built-in FPC antenna	
11	Communication network	PT32 A7670C: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/B38/B39/B40/B41 PT32 A7670E: LTE-FDD: B1/B3/B5/B7/B8/B20 GSM: 900/1800MHz PT32 A7670SA LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28/B66 GSM: 850/900/1800/1900MHz	
12	Positioning accuracy	<2m	
13	Positioning methods	BDS/GPS/GLONASS	
14	GPS Module	AT6558R	

15	GPS antenna	Built-in FPC antenna	
16	Sensor	3D accelerometer	
17	I/O	1 Magnetic suction charging port+ Serial port 1 Buzzer 1 LED Light: Charging (Red) +GPS(Yellow)+4G (Blue) +Pet Seeking (White) 1 Switch	
18	Operating temperature	-20℃ ~ +75℃	
19	Storing temperature	-30℃ - 80℃	
20	Operating humidity	10%-85% RH, Non-condensing	

5. Product Picture and Status Description

5.1 Product Picture



Signal Light Status Description:

GPS Indicator (Blue)	
Flash once (every 2 sec)	GPS module is starting or restarting
ON	GPS/BDS positioned
OFF	GPS/BDS in sleeping mode
GSM Indicator (Green)	
Flash once (every 2 sec)	GSM module is starting or restarting
ON	GSM normal working

OFF	GSM Power OFF or in sleep mode
Charging Indicator (Red)	
ON	In Charging
OFF	Fully Charged/Uncharged/Power off
Pet Seeking indicator (White)	
ON	Pet Seeking power on
OFF	Pet Seeking power off

5.2 Status Description:

1. **On/off state:** The device can be switched on and off by pressing the key for three seconds. No data will be uploaded after the device is shut down
Working state: Device LED ON, GPRS, GPS are in working state. Standby state: GPRS of the device works (the platform remains online, and instructions and SMS can be delivered online), while GPS does not work

2. **Working modes description:** Continuous positioning: The device is in the working state, and the position is updated once for 30 seconds by default. Normal mode: The device is in the standby state. During this period, if vibration is detected, the device enters the working state and updates its position every 10 minutes. If no vibration is detected, the device is always in the standby state. Power saving mode: The device is in standby state by default. During this period, the device enters the working state and updates its position every hour when vibration is detected. If no vibration is detected, the device is always in standby state. Standby mode: The device is in standby state. During this period, if vibration is detected, the device enters the working state and updates its position every 12 hours. If vibration is not detected, the device is always in standby state.

3. **Description of vibration alarm:** If vibration is detected after the GPS Tracker is stationary for 3 minutes, a vibration alarm will be sent.

6. SMS Instruction Description

The SMS command is sent to the SIM card of the device from any mobile phone number (supporting the SMS sending and receiving function). The command is case sensitive

SMS command	Reply	Command explain
password,123456,666888	password ok	Modify the owner password instruction, the password is 6 digits (the default owner password is: 123456, for example, change to 666888 new password)
101#136*****#	OK	Set the center number, the command is used for SMS instruction alarm
D101#	OK	D101# indicates that the center number is

		deleted
G1234		Reply to Google Link
CQGPS	GPS reset OK!	GPS Restart
CQ	system reset OK!	Equipment restart
FORMAT	OK	Resume factory setting
apn,123456,cmnet	apn ok	Sets the format of the APN instruction
apnuser,123456,user	apnuser ok	Set the format of the user name command corresponding to APN
apnpasswd,123456,password	apnpasswd ok	Set the format of the password command corresponding to APN
IP 27.aika168.com 8185	set IP OK	SMS command: IP+ space +IP address + space + Port number Set the server IP address and port number
CXZT		Querying Device Status Reply:Device software version, ID, IP, power, mode, APN, GPS status and signal value, GSM signal value, ICCID
CXWL		Querying the Network Status Reply: Module version; Read status: Ready 0: read the card, no Ready 1: do not read the card. The registered network status is as follows: 1: Normal, others, abnormal. Network connection status :4 indicates normal, others indicate abnormal. Current connection network: LTE is 4G network, GSM is 2G network; Base station information, currently connected to the base station frequency band
FREQ,123456,30	OK	Set the interval for uploading location data (0200). 30 Indicates 30 seconds
109#	OK	English switch
108#	OK	Chinese switch
zone,123456,e08	OK	Change time zone E08: indicates zone 8

7. APP Instructions

7.1 APP download

For Android APP, scan the QR code to scan and download. For iPhone, search the "AIKA" in the Apple APP market to download. For individual users, use the device ID number to log in. The ID number is displayed on the device body and packaging box. Select IEIM/ID to log in to the platform. The default password is 123456. For enterprise users, select a user name. The user name and password are set by the distributor, please contact the distributor for allocation!

7. APP Interface

