

Tracker

# PA32

# User Manual

Revision: 1.00

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| <b>Document Title</b>      | <i>PA32 User manual</i> |
| <b>Version</b>             | <i>1.00</i>             |
| <b>Finale Date</b>         | <i>2021-06-29</i>       |
| <b>Status</b>              | <i>Released</i>         |
| <b>Document Control ID</b> | <i>TRACKER PA32</i>     |

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# 1 Introduction

PA32 use lithium battery. it is a emergency equipment and powerful GPS locator which is designed for vehicle, and assets tracking . With superior receiving sensitivity, Its location can be real time or schedule tracked by backend server or specified terminals. Based on the embedded wireless tracking protocol, PA32 can communicate with the backend server through LTE Cat-M network, and transfer reports of emergency, Geo-fencing, device status and scheduled GPS position etc... Service provider is easy to setup their tracking platform based on the functional wireless tracking protocol.

The WIFI function will be activated and report the MAC addresses once the device is in alerting state.

## 2 Product Overview

### 2.1

#### Appearance



Figure 2-1

## 2.2 LED Description



Figure 2-2

There is one tricolour LED lights in PA32 device, the description as following.

| Light         | Event     | State |
|---------------|-----------|-------|
| LED show blue | Net state | Solid |
| LED show red  | low power | Solid |

## 3 Getting Started

### 3.1 Parts List

| Name | Picture                                                                           | Remark               |
|------|-----------------------------------------------------------------------------------|----------------------|
| PA32 |  | The LTE/GPS locator. |

### 3.2 How GPS position Fix

Your device has an unobstructed view of the sky, lying face up, so it can obtain the initial GPS Fix



Figure 3-1

### 3.3 Insert SIM Card

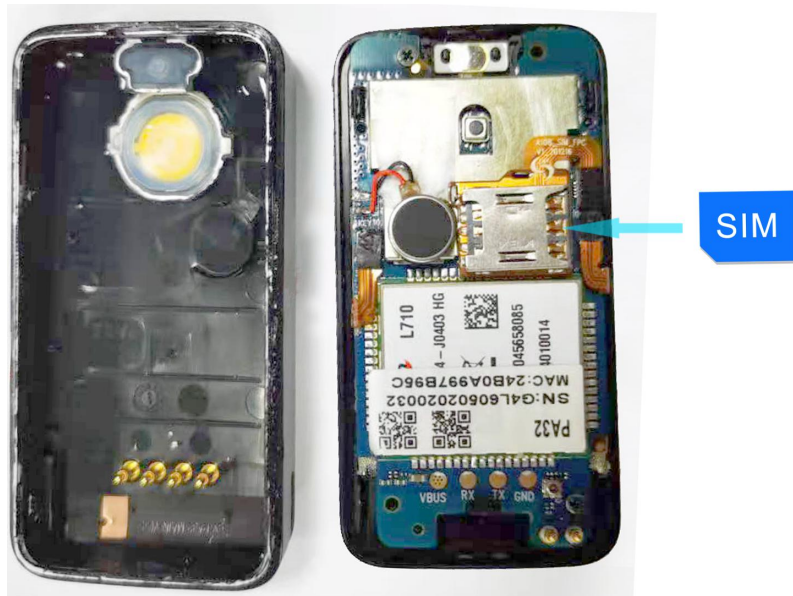


Figure 3-4

### 3.4 Device Power on

Long press the SOS button for 4 seconds or power on by charging, and the device will start when the red and blue light lights up

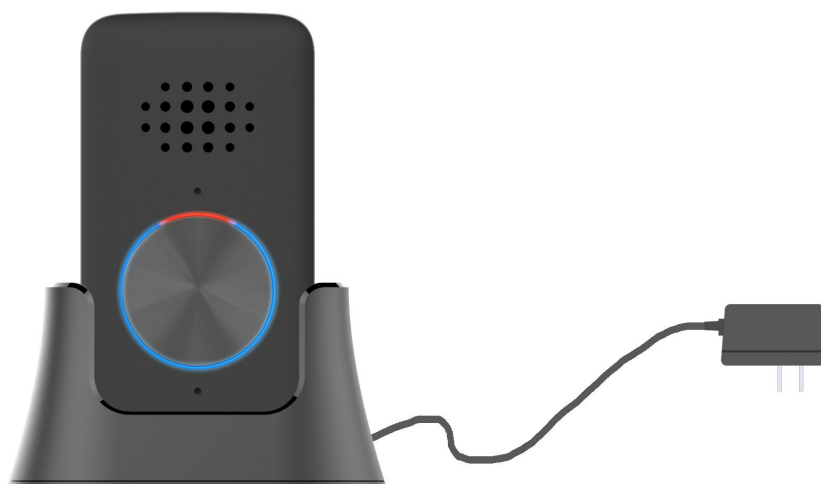


Figure 3-5

## 4 Trouble shooting and Safety info

### 4.1 Trouble shooting

| Trouble                                                             | Possible Reason                                                      | Solution                                                                                                     |
|---------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Messages can't be reported to the backend server by Mobile network. | APN is wrong. Some APN can not visit the internet directly.          | Ask the network operator for the right APN.                                                                  |
|                                                                     | The IP address or port of the backend server is wrong.               | Make sure the IP address for the backend server is an identified address in the internet.                    |
| Unable to power off PA32.                                           | The function of power key was disabled by AT+GTFKS.                  | Enable the function of power key by AT+GTFKS.                                                                |
| Battery can not be charged                                          | The battery has not been used for too long time and has been locked. | Using a external power source with 3.65V DC power supply to active the battery or apply for after sale help. |
| PA32 can't fix GPS successfully.                                    | The GPS signal is weak.                                              | Please move PA32 to a place with open sky.                                                                   |
|                                                                     |                                                                      | It is better to let the top surface face to the sky. (The same surface with indication LED)                  |

### 4.2 Safety info

*The following items are suggestion for safety use, please pay more attention.*

- ◆ Please do not disassemble the device by yourself.
- ◆ Please do not put the device on the overheating or too humid place, avoid exposure to direct sunlight. Too high temperature will damage the device or even cause the battery explosion.
- ◆ Please do not use PA32 on the airplane or near medical equipment.

### **FCC Caution.**

## **§ 15.19 Labelling requirements.**

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **§ 15.21 Information to user.**

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### **§ 15.105 Information to the user.**

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.

### **Specific Absorption Rate (SAR) information:**

This mobile phone meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. This device was tested for typical body-worn operations with the back of the handset kept **0.5cm** from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a **0.5cm** separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

### **Body-worn Operation**

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of **0.5cm** must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic

components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.