

AM01

Electronic Anklet

User Manual



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1.Overview

Thank you for purchasing our product!

AM01 electronic tag has a tamper-resistance conductive rubber strap that is skin-friendly for extended wearing and a built-in flexible stainless steel sheet that is hard to be destroyed. The strap of the ankle bracket offers immediate alert options on cut, damage, and unauthorized unbuckle. All these make it secure, reliable, and durable. Furthermore, the electronic ankle bracelet is able to position via GPS, WiFi, LBS, or BT (BT is optional) in smart or timed mode and has a high-capacity battery for extra-long standby performance.

Its main features include:

- Real-time indoor or outdoor tracking via GPS, WiFi, LBS, or BT (BT is optional);
- Multiple alert options for geofence, unauthorized unbuckle, low battery, violent strike, and no heartbeat;
- Real-time upload and GPRS-enabled re-upload of location data;
- Smart and timed positioning modes;
- IP68 protection.

2.Safety Precautions

Please read the following precautions carefully, as incorrect use of the product may damage it or even introduce danger or violate the law.

- Do not use this product in areas where radio phones may be prohibited or interferences or even danger may be introduced.
- Do not use this product near or inside gas stations.
- Do not use this product while working at blast sites.
- Do not disassemble this product or its components if you are not a professional.

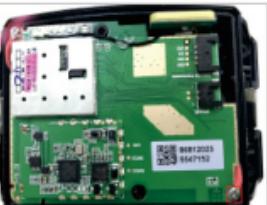
3. Getting Started

3.1. Main Unit and Accessories

Unpack the package and check if the main unit and all accessories are included.

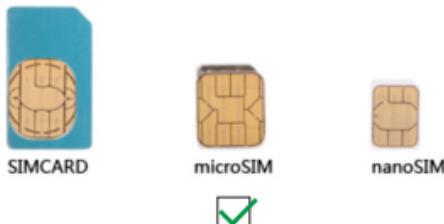
		
Main unit	Power adapter (EU)	Power adapter (US)
		
Charging cable	Key (not a 1:1 match), screw, lock cover, and fixture	Debug cable (optional)

3.2. SIM Attachment

		
Unlock the device and remove the 6 fastening screws.	Remove the front cover and disconnect the speaker plug here.	Unscrew the 2 fastening screws at the top left and the bottom right.

		
<p>Use a soldering iron to desolder the ground cables and disconnect the GPS antenna from the coaxial connector.</p> 	<p>The disconnection is complete.</p> 	<p>Pry the PCBA from the bottom right to the top left. You can see the SIM card slot at the backside, then you can insert the SIM in place.</p> 
<p>Tug the cables inside the gaps at the bottom cover so they will not be sandwiched and then install the PCBA back.</p>	<p>Align the positioning hole on the PCBA with the stud hole and press the PCBA down. Note: The press-down force should be applied to the upper part.</p>	<p>Press the GSM antenna contact down with your thumb until it levels with the PCBA edge. Then click the GPS antenna in, solder the ground cables, screw the fastening screws for the PCBA tightly, insert the speaker plug back, and fixate the front cover back.</p>
		
<p>While soldering the ground cable back to the top left, the amount of soldering tin applied must be strictly controlled so it stays inside the marked circular pad. The two joints have to be kept in the inner circle.</p>		

- The electronic anklet requires a Micro-SIM for communication.



Note:

- Ensure that the SIM has a sufficient balance (by calling or messaging via a mobile)
- Ensure that the SIM PIN is disabled
- If you would like to use the feature of immediate location query feature, please make sure that your SIM supports and is enabled with caller ID service.

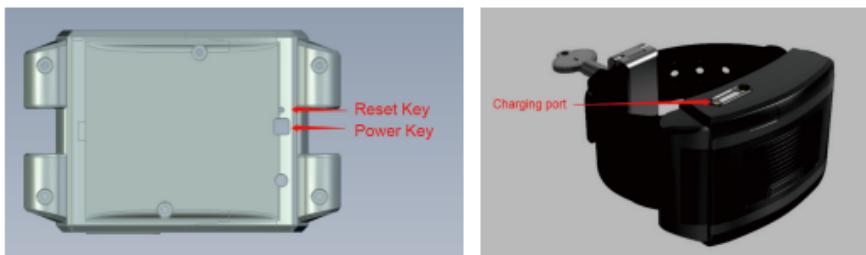
Before charging, please check the followings:

- Input voltage (adapter): 100–240V, 50/60Hz
- Charging voltage (anklet): DC 4.35V, 1600mA
- Built-in battery: 3000mAh
- Charging time: 3.5–4 hours (via dedicated charger)

Power-on:

- Long press the power key for 3s to turn the device on.
- See 3.4 for LED details.

3.3. Keys and Port



- 1) Power key: Long press the power key for 3s to turn the device on;
- 2) Reset key: Press down the reset key to restart the device;
- 3) Charging port: The 4-pin magnetic charging interface is used to charge the device.

3.4. LED Indicators

The device has 4 LEDs to indicate power (red/green), GPS (yellow), and GSM (blue) statuses.

Color	Solid On	Fast Blink	Slow Blink	Off
Power LED (red)	The device is charging.	/	Battery status: Battery low (0–29%)	x
Power LED (green)	Charging status: The device is fully charged . Battery status: Battery sufficient (60%–100%)	Device offline alert	Battery status: Battery medium (30%–59%)	x
GPS LED (yellow)	The device is positioning.	The device is searching for satellites.	Left geofence alert	The GPS module is not operating.
GSM LED (blue)	No SIM is detected.	The device is transmitting data.	The device is establishing connection and no data is in transmission.	x

- If all LEDs blink together for 3 times, then the device is turned on (the power LED is red). All LEDs are solid on for 2s before the device is turned off.
- Fast blink: The LED is on and off for 300ms interchangeably; slow blink: The LED is on for 1000ms and off for 3000ms.

3.5. Wearing the Anklet

- Please wear the electronic anklet by the following steps!

		
Place the strap around the ankle of a person who is to wear the anklet and adjust it to an appropriate length.	Mount the top cover.	Fit the screw in.
		
Place the key on the screw, press down, and turn it clockwise.	Tighten the screw.	Mount the tamper cover.

- Unlock the strap

Remove the tamper cover. Place the key on the screw and turn it anti-clockwise until the screw loosens entirely. Then remove the screw.

3.6. Operations

1) Power-on:

Long press the power key for 3s.

2) Remote Power-off

To turn the device off remotely, you can send a remote power-off command to the device and wait for it to return the execution result (the device ignores this command if the platform has enabled the restriction on power-off). The power-off command is "shutdown". The device will turn off 20s later after receiving this command.

3) Alert Mechanism Activation

For initial use, you may need to activate the alert mechanism of the anklet via the "TASK" command.

TASK,A# It is used to prevent the device to alert when it is not officially enabled.

- ✓ "A: on" means the device is enabled and alerts will be generated if triggered.
- ✓ "B: off" means the device is disabled and no alerts will be generated. It is off by default.

4) Alert Mechanism Deactivation

If you would like to stop the device from sending alerts, you can send the "task,off" command to disable the alert mechanism. To turn the device off, send the "shutdown" command.

5) Positioning Mode Switch

The device uses smart positioning mode by default. You can send the command "MODE,1,[T]#" to switch to timed positioning mode.

Note: "T" refers to the upload interval of location packets. Range: 0 (Do not upload); 5–18,000s (default: 10s)

6) Background Server Parameter Setting

SERVER,1,<domain name>,<port>[,0]#

SERVER,0,<IP>,<port>[,0]#

The 3rd parameter: 0: TCP (default); 1: UDP

SERVER#

Query current parameters.

7) Immediate Positioning

LJDW#

Fix a position immediately.

8) Geofence Setting

You can set 10 circular or rectangular geofences at most via:

- ✓ The platform or the app.

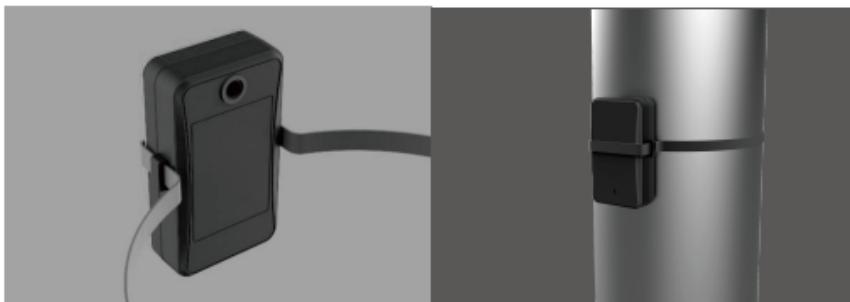
9) Installation and Operations of the Bluetooth Beacon

If a parolee has poor or no GPS signal inside their house and they are required to stay at home during a fixed period (such as from 10:00 am to 8:00 pm), it is recommended to install a Bluetooth beacon to assist indoor positioning. During indoor positioning, the electronic anklet is in power-saving mode, which can extend the service life of its battery.

The Bluetooth beacon builds in with a 10,000mAh battery, which can stand by for 30 days without a power supply. It equips with anti-tamper, vibrating, and low battery alerts.

✓ The Bluetooth beacon can be installed via multiple ways:

- Stick to a wall via a 3M tape;
- Bind to a pole; or
- Attach to an iron surface (using magnetic feature).



10) Software Upgrade

Electronic anklet: It supports OTA upgrade and will upgrade automatically if the server has new software.

Bluetooth beacon: It supports OTA upgrade and will upgrade automatically if the server has new software.

11) Other Commands

See AM01 Electronic Monitoring Anklet Command List for details.

4.Platform Functions

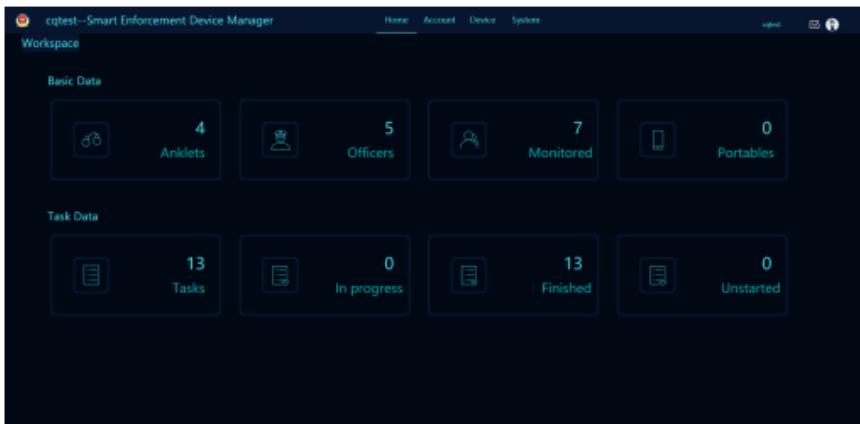
See *Operator's Guide to Smart Enforcement Device Manager* for details.

Website: <http://efootropetest.jimicloud.com/efootrope/index.php>

Demo accounts: cqjimi/cqltb/cqwh/cqtj/cqjh/cqltf/cqzy

Password: jimi@123

The homepage is as follows. If the homepage does not look right, you can adjust the zoom ratio of your browser and the display resolution.



5.Product Specifications

Main unit dimensions (HxWxD): 96mm x 58mm x 28mm

Weight: About 200g

Strap: Adjustable conductive rubber strap (anti-tamper and -strike)

Positioning: GPS, WiFi, LBS, and BT (BT is optional)

Charging method: Via 4-pin magnetic interface

Alert buzzer: ≥ 86dB(A)

SIM type: Micro

Water- and dust-proof: IP68

Operating temperature: -20°C to 60°C

6.Warranty Terms

The warranty period is 12 months from your purchase under correct use.

The strap is a consumable. Any extreme use or man-made damage may cause the strap to age or crack and shorten its service life.

In respect of the above factors, this warranty does not apply to the following conditions:

- 1) Man-made damage
- 2) Extreme use
- 3) Damage resulted from the unfriendly physical environment