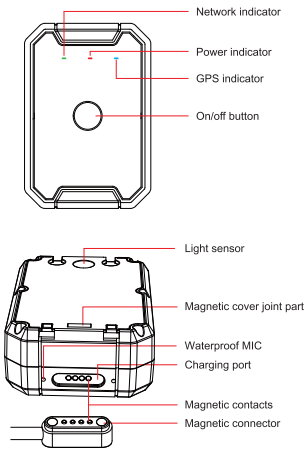## 1.Contents

- Product overview
- Standard parts list
- Specification
- LED indication
- Charging
- Product Setup
- Configure the device
- Commands list
- Voice Monitoring
- Installation recommendation
- Web Platform and App
- Troubleshooting
- Warranty instructions

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.

2. Product overview

Network indicator
Power indicator
GPS indicator
On/off button

Light sensor

Magnetic cover joint part
Waterproof MIC
Charging port
Magnetic contacts
Magnetic connector

- GPS + LBS positioning
- Real-time location query
- Geo-fence alert
- Vibration alert
- Tamper alert
- Strong magnet cover
- 6,000mAh battery powered
- Magnetic charging
- IP67 dust and water resistant
- Bluetooth configuration
- Double MIC

3. Standard parts list

Item	Quantity
Device	1
Magnetic cover	1
User guide	1
Charger	1
Charge cable	1
Collar	Optional

4. Specification

Band	LTE FDD: B2/B4/B5/B12/B13 WCDMA: B2/B4/B5
TTFF(opensky)	Avg. Cold start: <40sec ; Avg. Hot start: <1sec
Location accuracy	< 10m
Dimensions	85 X 58 X 29 mm
Weight	158 g
Backup Battery	6000 mAh, 3. 7V Li-Polymer battery
Operating Temperature	-20℃ to +70℃
Transmit Protocol	TCP

5. LED indications

Power Status (Red)

Quick flicker (0.3s on, 0.3s off)	Low battery
Moderate flicker (1s on, 3s off)	Fully charged
Slowflicker (0.1s on, 3s off)	Normally working
Solid on	Charging
Solid off	Low battery voltage or battery failure

GNSS Status (Blue)

Quick flicker (0. 3s on, 0. 3s off)	Searching GPS
Slow flicker (0.1s on, 3s off)	GPS connected successfully
Solid off	GPS is in sleep mode, or not active

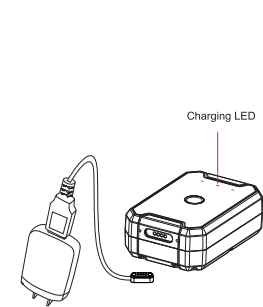### Network Status (Green)

Quick flicker (0.3s on, 0.3s off)	GSM initializing
Moderate flicker (1s on, 3s off)	GSM connected successfully
Slow flicker (0.1s on, 3s off)	GPRS online
Solid on	Calling
Solid off	No GSM signal/ No SIM card

FCC SDoC

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

Unique Identifier
Trade Name: JIMI
Model No.: JM-LL02
Responsible Party – U.S. Contact Information
US Company Name: XXXX
Address: XXXX
Telephone number or internet contact information: XXXX

5. Charging

Please charge the device by original charger. It takes about 3 hours to fully charge the device.
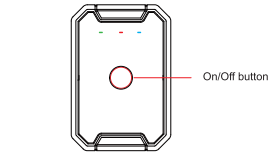
Charging LED

6. Product setup

Insert SIM card: Please use a screw driver to remove the screws and open the case to insert a SIM card (Size: Nano).

Micro   Nano

Power on: Press and hold the ON/OFF button for 3 seconds, and the LEDs will flicker regularly if the device power on successfully.

Power off: Press and hold the ON/OFF button for 3 seconds and the LEDs will be off in 2 seconds.

On/Off button

Note:
1. Press the ON/OFF button and the LED will flicker for 15 seconds if the device power on successfully.
2. Press the ON/OFF button and nothing will happen if the device power off successfully.

7. Configure the device

Method 1:
Use your mobile phone to send commands to the device SIM card number by SMS, please refer details of the commands in Commands list section.

Method 2:
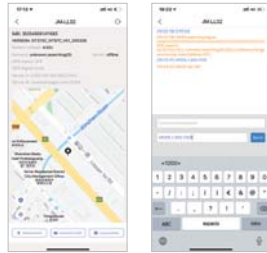1. Download and install the "Jimi IoT Lab" app by the following link：http://d.6short.com/lnbr

For iOS 9 and above Only

2. Make sure the Bluetooth is enabled on your iPhone, choose Connect on landing page.

JIMI IoT Lab

3. Power on LL02 and then short press the power button for 3 times, the device name will automatically show on Connect page, tap on it to connect.

4. After the device is connected successfully, you can view the basic data of the device, click "Command mode" button at the bottom can enter the command setting page.

5. Type and send the command to query and and make configurations. The device has no password by default, you can set password (See details in command list) to secure the device. If the password has been set, each command will need to be sent with the password filled.

6. In "Jimi IoT Lab" app landing page, you can create a template with multiple commands in Presets page, when the device is connected you can tap the "Upload preset" button instead to send multiple commands that you created in Presets at a time.

8. Command List

Command	Usage	Instructions
APN	Set APN	APN, ApnName# or APN, ApnName,User,Password# Auto set APN will be turned off when set APN manually. APN# Query current APN
ASETAPN	Auto set APN	ASETAPN,X# X=ON/OFF; ON: Enable auto set APN, OFF: Disable auto set APN ASETAPN# Query auto set APN settings
ASETGMT	Auto set time zone	ASETGMT,<X># X=ON/OFF; ON: Enable auto set time zone, OFF: Disable auto set time zone ASETGMT# Query auto set time zone settings
SERVER	Platform server setting	SERVER,1,domain name,port# SERVER,0,IP,port# Default: SERVER,1,GPSDEV. TRACKSOLID.COM,21102# SERVER# Check the current sever settings

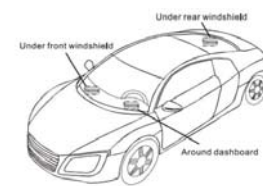| Command	Usage	Instructions
GMT	Time zone setting	GMT,A,B,C# A: E/W; E for eastern, W for western; Default: E B: 0-12; time zone; Default: 8 C: 0/15/30/45; half time zone; Default: 0 GMT# Query current time zone setting
MODE	Set working mode	MODE,A,T1,T2# A=1-2; 1: Tracking mode, 2: Ultra power saving mode; Default: 1 When A=1, T1: Report interval of GPS data in moving status, range: 10-3600 seconds; default: 10 T2: Report interval of GPS data in static status, range: 180-86400 seconds; default: 0 When A=2, T1: start time of the report, format: HH:MM T2: time interval, range: 1-72 hours, default: 24 MODE# Query the current working mode setting
HBT	Heartbeat packet interval	HBT,T# T=1-10 minutes, heartbeat packet interval, Default: 3 Minutes; HBT# Query the current heartbeat interval

Command	Usage	Instructions
PWDSW	Set command password	PWDSW,A# A=ON PWDSW,A,B# A=Numbers and alphabets, 1-19 digits; Default: 666666 B=OFF When PWDSW is ON, all the command has to send with the password as the first parameter, e.g.: MODE,666666,1,30,30# PWDSW# Query current password setting
PASSWORD	Modify command password	PASSWORD,A,B# A=Old password, Default: 666666 B=New password
CENTER	Set center number	CENTER,A,Number 1,Number 2, Number 3# Add center number CENTER,D,1, 2, 3# Delete center number according to the serial ID CENTER,D,Number# Delete center number according to the matched number CENTER# Query the current center number

Command	Usage	Instructions
PWRLIMIT	Power OFF limitation	PWRLIMIT,ON# X=ON/OFF; ON: Not allow to power off with the device button, OFF: Allow to power off with the device button; PWRLIMIT# Query the current PWRLIMIT setting
RESET	Reboot the device	RESET# The device will reboot in 20 Seconds when receive this command
FACTORY	Recover the settings to factory	FACTORY# Recover all the settings to factory (Except server and APN) Query the current center number
PARAM	Query device parameters	
GPRSSET	Query platform server and APN Setting	
STATUS	Query status	

9. Voice monitoring

When center number sends monitor command: MONITOR# to the device, the device will reply "OK" and call the center number.
After the call connected, the terminal will enter monitor condition.
The center number can hear the sound around the device.
For more operation, please refer to the command list section.

10. Installation recommendation

1. The device should face up to the sky.
2. Metal thermal barrier or heating layer of the windshield affects the signal. Please change installation position to receive better signal.

11. Web Platform & App

1. Please login the designated service platform provided by your distributor to track and operate the device.
2. Please download and install the APP in designated website, iOS App store or Google Play store.

12. Troubleshooting

Type	Use
Unable to connect to tracking platform	Check the APN and IP settings. Check whether the data service of SIM card is enabled. Check the balance of SIM card.
Tracker shows offline	Check if the device entered network blind area. Check the balance of SIM card.
Unable to locate	Make sure the top side facing upward without metallic things shielded. Make sure it's not in area with no satellite coverage.
Unable to boot	Make sure the switch is in on position. Check whether the battery is exhausted. Check whether the SIM card is inserted.
No command reply	Make sure command format is correct. Vehicle may be in network blind area.

Warranty instructions and service

1. The warranty is valid only when the warranty card is properly completed, and upon presentation of the proof of purchase consisting of original invoice indicating the date of purchase, model and serial No.of the product.
We reserve the right to refuse warranty if this information has been removed or changed after the original purchase of the product from the dealer.
2. Our obligations are limited to repair of the defect or replacement the defective part or at its discretion replacement of the product itself.
3. Warranty repairs must be carried out by our Authorized Service Centre. Warranty cover will be void, even if a repair has been attempted by any unauthorized service centre.
4. Repair or replacement under the terms of this warranty does not provide right to extension or renewal of the warranty period.
5. The warranty is not applicable to cases other than defects in material, design and workmanship.

Maintenance Record

Date		Serviced by	
Product Model			
IMEI Number			
Fault Descriptions			
Comments			

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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

**JM-LL02
LTE CAT 1
ASSET TERMINAL
USER MANUAL**