

4G GNSS Asset Tracker 3 Years Standby

Quick Guide



LT15D

Please read the quick use guide carefully before using it, so as to operate it quickly.

Product appearance, color and accessories are subject to change without prior notice!



FEATURE

- GNSS/WiFi/LBS/AGPS
- Various Working Mode
- Removal/Low Battery Alarm
- Easy installation
- Magnetic Installation
- 3 Years Ultra Standby

LED INDICATION

LED

STAUTS

GREEN LED (GNSS Signal Indicator)	
Stays On	GNSS Fixed
Slowly Blinking (On 2s / Off 2s)	WiFi Positioned
Quickly Blinking (On 0.5s / Off 0.5s)	LBS Positioned
Stays Off	Positioning Failure

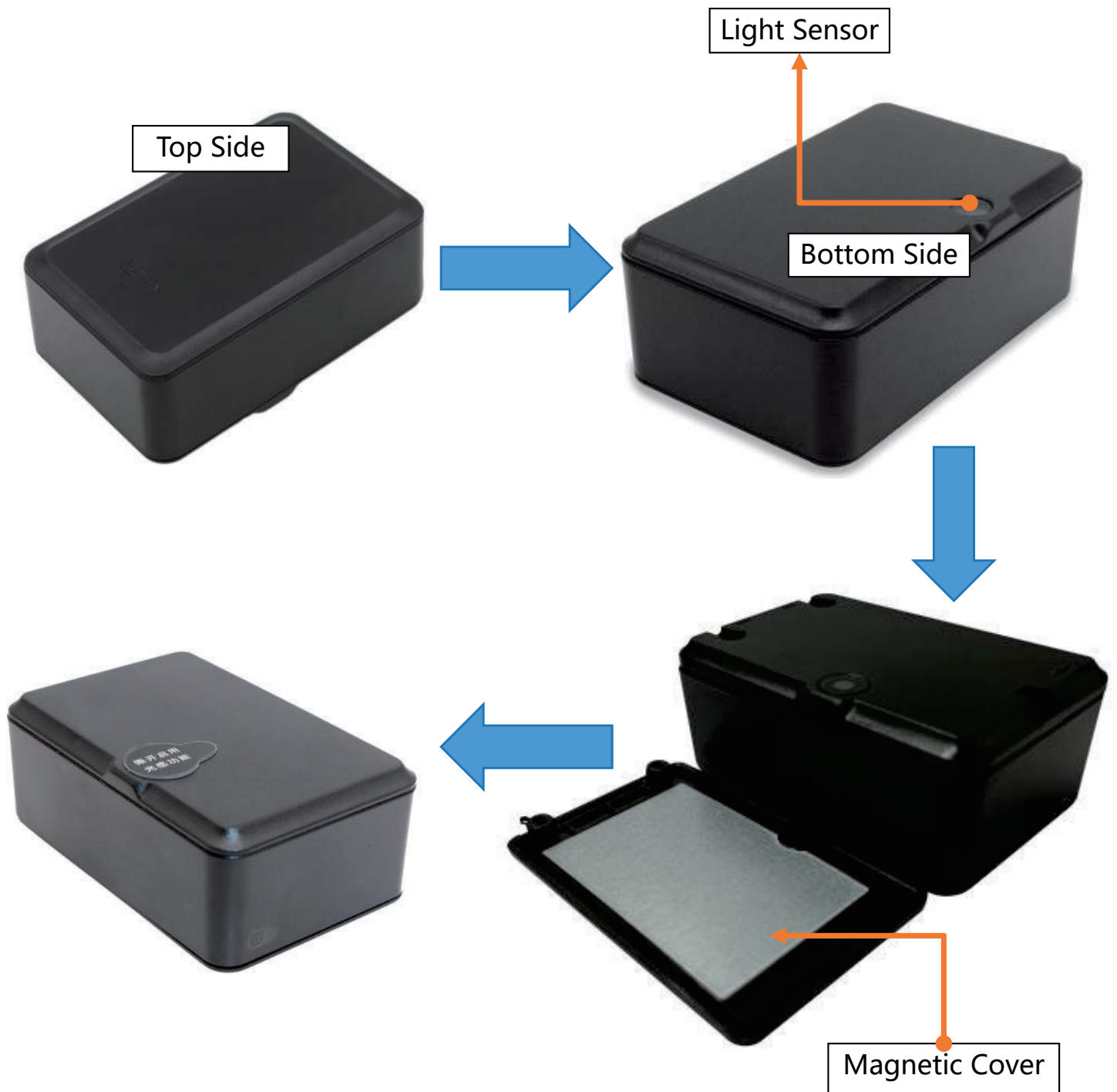
LED

STAUTS

RED LED (Cellular Network Indicator)	
Stays On	Module Restarting
Slowly Blinking	Network registration succeeded
Fastly Blinking	Searching Cellular/Network

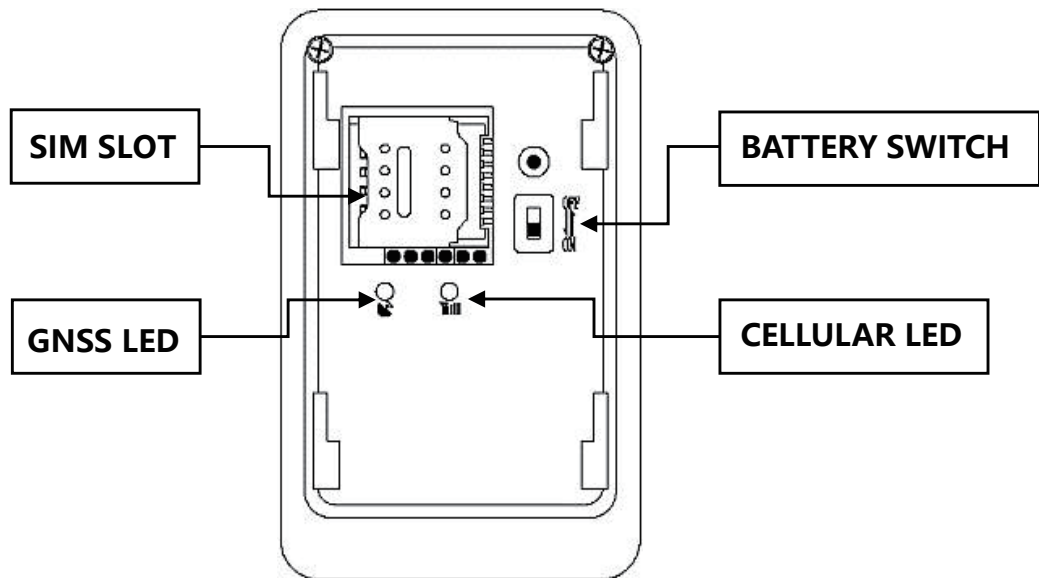
Note: The LED will Off after hibernation.

KNOW LT15D

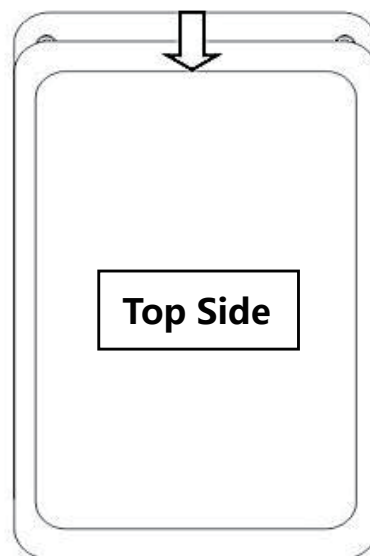


Notice: Top side toward Sky to get best GNSS Signal

KNOW LT15D



Push the top side cover to open the device



Notice: Top side toward Sky to get best GNSS Signal



TECHNICAL PARAMETERS

BATTERY	Disposable Li-MnO ₂ Battery (3.0V@4200mAh)	
CURRENT	Average Current<100mA; Sleep Current<8uA	
DIMENSION	77.0mm*41.5mm*30.5mm	
WEIGHT	100g (with Magnet)	
TEMPERATURE	WORK/STORAGE -20°C ~ 70°C / -40°C ~ 85°C	
HUMIDITY	RELATIVE 5% ~ 95%	
BAND	LT15-D (4G Cat1, used in Latin America)(Quectel EG800G) FDD LTE: B2/B4	
GNSS FREQUENCY	GPS L1:1575.42MHz	BD B1: 1561.098MHz
WATERPROOF	IP65	

WORKING MODES

● Regular Mode

Device wakes up periodically according to the set regular timing interval, after data reports it goes into deep sleep, default Working Mode.

COMMAND: **HX,T#** or **MODE,0,T#**

T: Each deep sleep time peroid, Unit: Minutes, Range: 5-43200m, default 1440m

Example: **HX,1440#** device wake up every 24h to have a report.

● Week Mode

Device wakes up weekly according to the set regular timing interval, after data reports it goes into deep sleep.

COMMAND: **MODE,3,T1,T2#**

T1: The wake up day in a week,1 is Monday,246 is Tuesday+Thursday+Saturday

T2: The wake up time in a wek, Format is HH:MM, 09:00; 15:00

Example: **MODE,3,246,15:00#**

Device will wake up at 15:00 each Tuesday/Thursday/Saturday to have a report.

● Exact Time Point Mode(Clock Mode)

Device will wake up at the certain time points, it can set up at most 4 wake-up time points, after data reports it will goes into deep sleep.

COMMAND: **WAKEUP,T1[,T2[,T3[,T4]]]#** or **MODE,4,T1[,T2[,T3[,T4]]]#**

T1...T4: Exact Time point, formate is HHMM, 0830 means 08:30

Example: **WAKEUP,0800,1000,1530,1900#** means device wake up in 08:00,10:00,15:30,19:00, report and sleep.

● Warehouse Mode

This mode is designed for power saving, usually set before device formally start work.

COMMAND: **STORAGE,T#**

T: Upload time interval, Unit: Minutes, Range: 2880-43200m; (2-30 days)

Example: **STORAGE,2880#** enter warehouse mode, upload each 2880m;
STORAGE,0# Exist Warehouse Mode.

WORKING MODES

● Tracking Mode(Emergency Mode)

Device start real time tracking for a peroid

COMMAND: **ZZ,A,T1,T2#** or **MODE,1,T1,T2#**

A: **1**-Enter Tracking Mode; **0**-Exit Tracking Mode

T1: Upload time interval, Unit: Seconds, Range: 30-300s

T2: Tracking duration time, Unit: Minutes, Range: 5-57600m

Example: **ZZ,1,30,60#** After wake up, start 60 minutes real time tracking;

ZZ,0# Exist Tacking Mode.

ALARM

- **Removal Alarm:** A high-sensitivity light sensor is built in the bottom of device, it will be activated immediately when separated from the installation surface and generate a removal alarm to the platform.
- **Collision Alarm:** When device detect a collision event, it will report collision alarm to the platform.

DEBUGGING

When your device has the following faults, please refer to the following troubleshooting scheme. If you still can't solve it, please contact your vendor or service provider!

PROBLEM	REASON	SOLUTION
Bad Signal	In the area without or bad signal	Go to outdoor and get good signal
	Metal cover on tracker or GPS antenna toward ground	Remove metal and toward to sky
Can not Power ON	Low battery	Connect to power supply and charge the battery
	Blown fuse	Change the Power Cable
	Poor contact	Check connection
Can not connect to network	SIM did not install well	Check SIM installation
	Stains on the metal surface of SIM card	Clean the SIM surface
	SIM not available	Contact your operator
	Over the SIM signal area	Move to the area which operator provide service
	Bad network signal	Move to the area has good signal
	SIM no balance	Charge the SIM

FCC WARNING

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.

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

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.