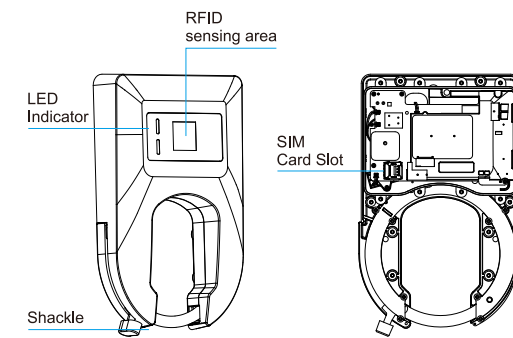


Product overview



GPS & LBS & WIFI & Beacon Positioning
GPRS and RFID unlocking
Large 10000mAh Battery
IP66 dust & water resistance
Solar powered
Rugged & Durable Design
Vibration Alert

Standard Parts List

Item	Quantity
JM-BL11	1
Solar Panel	1
Extension cable	1
User manual	1

Specification

Bands	LTE CAT M1/ NB2: B1/B3/B5/B8/B18/B19/B20/B26
GPS chipset	MTK highly sensitivity chip
Antenna	Built-in GSM antenna, GPS ceramic antenna, WIFI antenna, Bluetooth antenna, and RFID antenna
LED indication	One green and one orange
Operating temperature	-20 ~ +60°C
Operating humidity	5% - 95%
Battery	10,000mAh/3.7V industrial grade Li-Polymer battery
Charging	Solar energy (5V/1A)
Working current	31.5mA
Standby current	10.5mA

IP grade	IP66
Communication Protocol	TCP
Dimension	142.5 * 223.7 * 38mm
Weight	816g

Product setup

1. Please prepare a Nano SIM card, it should has access to LTE CAT M1 or NB2 network.
2. Use the special hexagonal screwdriver (need to purchase separately) to open the lock cover carefully and find the SIM card slot.
3. Insert the SIM card and reassemble the lock, please tighten the screws to ensure the water resistance capability.
4. Lock the device by turning the shackle. The inbuilt IoT module will automatically turn on, and connect to preset server and platform.

LED Indication

Green off, orange off	Power off/Sleeping
Green on, orange off	Ready/In designated parking area
Green off, orange on	Reserved/On break/Device failed/In undesignated parking area
Green and orange blink alternatively	Processing data/Waiting for server's response/Turning on

Configuration

If you want to change the preset server IP/port, APN, or other settings, please contact the sales agency for command list and communication protocol.

Installation Recommendation

To ensure the match of mounting base and lock, please refer to the size and position of the screws behind the lock when design the base.

If you are wondering how to install this lock, please contact the sales agency for further technical support.

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 whether external power is still connected. Check if the vehicle 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.
Location drift	In area with poor GNSS signal (tall building around or basement) , drifting may happen. Check whether vibration happens around to trigger the accelerator.
No command reply	Make sure command format is correct. Vehicle may be in network blind area. Make sure SIM card is well inserted and has SMS service.

Warranty instructions

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	

JM-BL11

LTE CAT M1/NB2
Bike Sharing Lock

User Manual

V1.0

