

Vehicle terminal device

Product User Manual

Product Name: LORA Tracker

Product model: LR03



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I. Product composition

1.1 Product overview

Product Name: LORA Tracker

Product model: LR03

Product specifications: L 95 x W 38 x H 22 mm

1.2 Product picture



No	Name	Quantity	Unit	Remark
1	LR03 host	1	PCS	
2	Power line	1	PCS	
Note: The above is a standard configuration list of the whole set of products, and accessories outside the above range are subject to additional fees.				

1.4 Status of indicator light

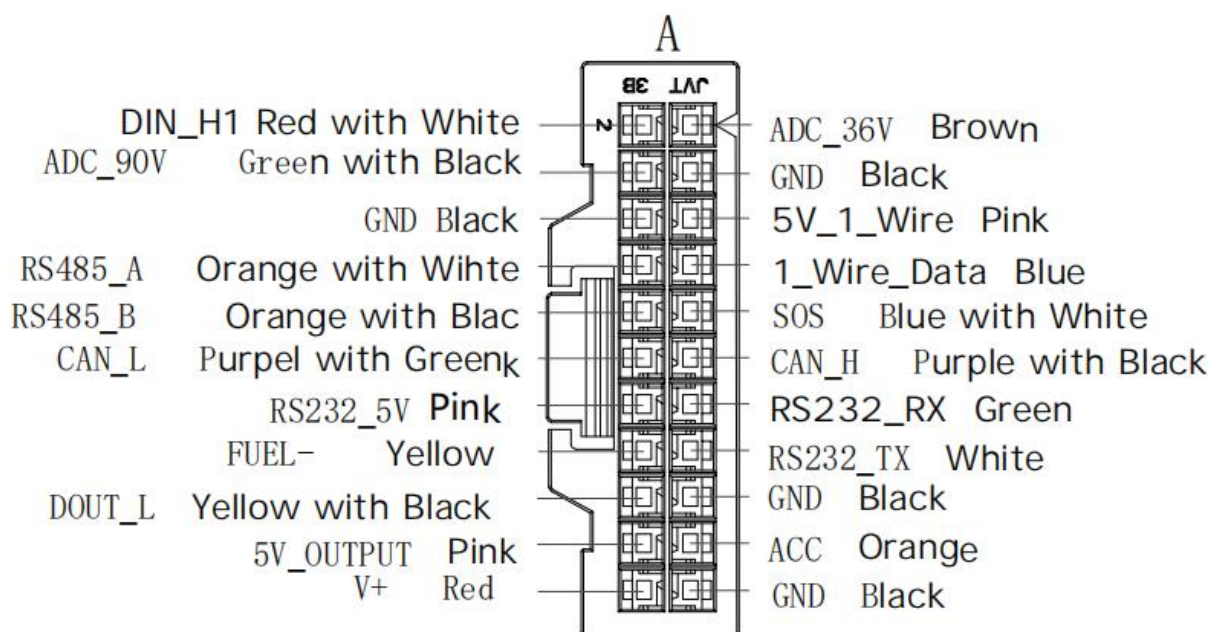
GPS (Yellow)	When the device is Located, the light will stay on.
	The device light will turn off if the GPS error or no working.
	When the device is in the satellite search mode, the yellow light flashes rapidly.
Lora (Blue)	When the LORA module is initialized normally, the blue light flashes rapidly.
	When the device is successfully paired, the blue light will remain on constantly.
	When the device fails to pair successfully or is not connected, the blue light turn off.

II. Parameters and function operation instructions

2.1 Product parameter

NO	Parameter	Value	Remark
1	Battery	55mAh	Lithium Battery
2	Sensor	G-sensor DA213	
3	Positioning Module	B1010-W2	CC1167Q
4	Lora Antenna	FPC	
5	GPS Antenna	25*25*4mm	
6	Lora chip	SX1262	
7	Power Consumption	IOM(About 31.5mA)	Sleep mode(7.7mA)

Interface



2.2 Functions

Function	Description
Tracker mode	The device will be able to transmit a command LoRa packet to the MBU when the unit is in its receive window time slot.
Recovery mode	The device do not enter any sleep mode and transmit continuously

2.3 Product installation operation process

2.3.1 Device installation

(1) Inspect device

Check whether the equipment appearance is good, fittings is complete.

(2) Tear off the conductive cloth

Tear off the conductive cloth on the device, and the device starts working normally and enters tracker mode

(3) The terminal installation position requirements

A. Waterproof: choose place which is not easy to fill the position, kept terminal dry, pay attention to be far away from the air-conditioning outlet in case of the changes of temperature. Have condensed water accumulated inside the terminal seriously affect the service life of the product.

B. Shock: terminal can't hang up installed in strong vibration position for a long time.

C. Tamper-proof: terminal should be away from the car video intercom and electronic equipment, such as to prevent conduction and radiation.

III. Common problem analysis and after-sales services

3.1 Common problem analysis

Question	Reason	Solution
The indicator light is not on	If the indicator light is not on, the device should be in sleep mode	The indicator light will only flash for 8 cycles when the device is first started and then turn off

3.2 Attention

1. Electronic product please note waterproof.
2. Please keep the backup battery is enough.
3. When the temperature of the environment is more than the normal work of the terminal temperature range, advice without electricity.
4. When the vehicle is in an underground parking lot, tunnel, or garage, or is obstructed by obstacles, it will affect the reception effect and cannot be monitored; After the vehicle leaves the above area, the equipment will automatically resume normal operation.
5. In abnormal situation, please do not repair itself. By linking the original attachment or unplug the connection between the various components damage, manufacturer is not liable.

3.3 After-sale service

1. During the one-year warranty, please feel free to contact us if there is any problem or damage not caused by human factors.
2. Not maintenance:
 - (1) Client dismantled privately
 - (2) Force majeure (floods, accidents, etc.)
3. More than one year damage or faulty maintenance will need to pay for raw material.
4. Free to provide customers with the purchase, use, installation and other consultation and technical services.

FCC Statement

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

Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment should be installed and operated with a minimum distance 20cm between the device and your body.

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.

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