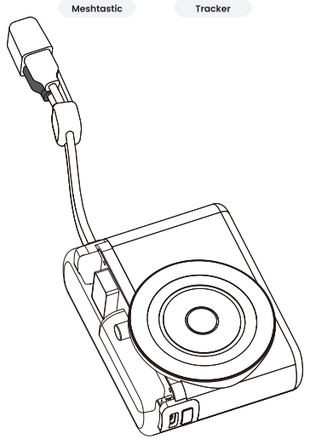
两张180mm*110mm纸拼接成一张纸
说明书尺寸：60x110mm

ThinkNode-M4

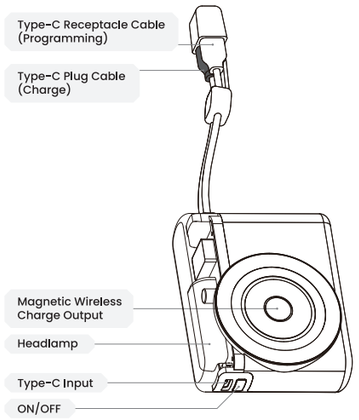
Meshtastic | Tracker

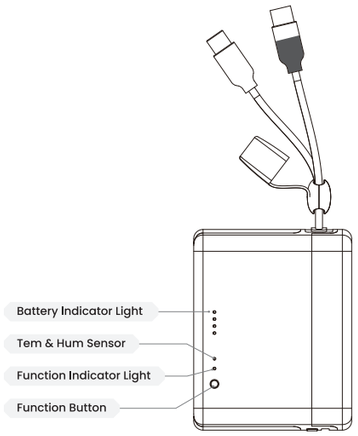


Type-C Input | Fast Charging | Lighting | Intelligent Processing Chip | Synchronous Input/Output

Decentralized Communication | High-Precision GPS | Multi-Scenario Application | Sleek & User-Friendly | Secure & Reliable

Power Bank Function Description





1. Wired charging:
Charge your device using the Type-C Plug Cable included with the power bank.

2. Wireless charging:
Place your phone on the magnetic alignment area to charge.

Power Button	Function
Press and hold for 3s then release	Turn on the first gear of the lighting function
Second press and hold for 3s then release	Turn on the second gear of the lighting function
Third press and hold then release	Turn on "sos" light flashing
Fourth press and hold for 3s then release	Turn off the lighting function

Notes:

1. When using both wired and wireless charging simultaneously, only the standard 5W wireless charging function is available.

2. When charging the power bank, the wireless charging mode only supports standard 5W charging. Wireless fast charging can be activated only when charging the power bank is stopped.

3. When charging the power bank with a PD 12V adapter, the wireless charging function will be automatically disabled.

4. When the power bank's charge level drops to 13%, power output stops while wireless communication remains active. The device's power output function can only be reactivated once the battery is recharged to 25%.

5. When the power bank's charge level drops to 0%, the wireless communication function stops, the device enters a powered-off state.

LoRa Function Description

★ Meshtastic Version:

Function Button	Function	
Single click	A	In standby state, single click to wake up the device's LoRa function.
	B	In working state, update node/device location information and display battery level.
Double click	Disable and enable other functions except LoRa transceiving	
Press and hold for 3s then release	Device enters stand by/sleep state	
Press and hold 10s (connect the programming cable)	Device reset	
Press and hold 20s (connect the programming cable)	Enter Programming Mode	

LED Status	Description
Battery Level (White)	Each white light indicates 25% battery remaining and turns off after 10 seconds
Send/Receive Lora Data (Blue)	Quick flash
GPS Positioning (Blue)	Breathing light effect: 1s fade in + 1s fade out
GPS Positioning Successful (Blue)	Short pulses: 0.1s on / 2s off
Power-on initialization (Red)	Steady on after 3 quick flashes
BT Pairing (Red)	Slow flash
BT Pairing Successful (Red)	Turn off after 3 quick flashes
BT Pairing Failed(Red)	Turn off after 5 slow flashes

Specifications:

Product Name:
ThinkNode-M4

Battery Capacity:
7000 mAh

Type-C Input:
DC 5V=3A/9V=2A/12V=1.5A

Type-C Cable Output:
DC 5V=3A/9V= 2A/12V=1.5A

Wireless Output:
5W/7.5W/10W/15W

Product Size:
87.3*67.7*28mm (excluding cable length)

Operating Temperature:
0~40 ℃

Packaging List

- Power Bank * 1
- Instruction Manual * 1
- Charging Cable * 1
- USB-C to USB-C Converter * 1

Precautions

- If the product will not be used for an extended period, charge it at least once every 3 months. During use, slight heating of the device is normal; absence of heat is also normal.
- Always keep the product dry. Do not clean or scrub it with chemical agents. Please protect the environment by recycling the device at designated locations—do not discard it randomly.
- Children or individuals incapable of using the device independently must operate it under adult supervision.
- Do not impact, disassemble, puncture, crush, or expose the device to moisture.
- Do not use this power bank with devices that do not meet its output specifications, as this may cause malfunctions or fire hazards.

FAQ

1. What is the function of the Type-C receptacle cable:

- You can use the Type-C receptacle cable to burn the firmware.

2. When the power bank fails to charge:

- Check whether the power adapter is suitable, the connector used, and whether the converter is normal.
- It is recommended to choose suitable brand of power adapter for charging.

3. When the power bank cannot charge other devices:

- If the battery level is too low, charge it before use.
- If the internal circuit of the power bank is faulty, please contact the after-sales service department of the local dealer for help.

4. Why does it stop powering external devices at 13% battery?

- To reduce overall energy consumption and maintain stable wireless communication.

5. How to switch to Meshtastic or Tracker?

- The device comes with the firmware of the purchased version pre-installed. If you need to switch the firmware, please visit https://flasher.meshtastic.org, select your device's required firmware, and flash it.

Made in China

Product Performance

- Fast charge PD 20W, Wireless charge 15W.
- Intelligent chip identification charge and discharge function protection.
- Low-power, long-range wireless communication technology without relying on traditional cellular networks or WiFi.
- Enhance nighttime safety for outdoor adventurers by equipping with illumination lights.
- Enable multi-device networking, allowing users to establish independent communication networks via ThinkNode-M4 to achieve seamless connectivity and information sharing among devices.
- Enable precise navigation in outdoor environments with a built-in high-sensitivity GPS module supporting real-time positioning and trajectory recording.

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.

FCC WARNING

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.