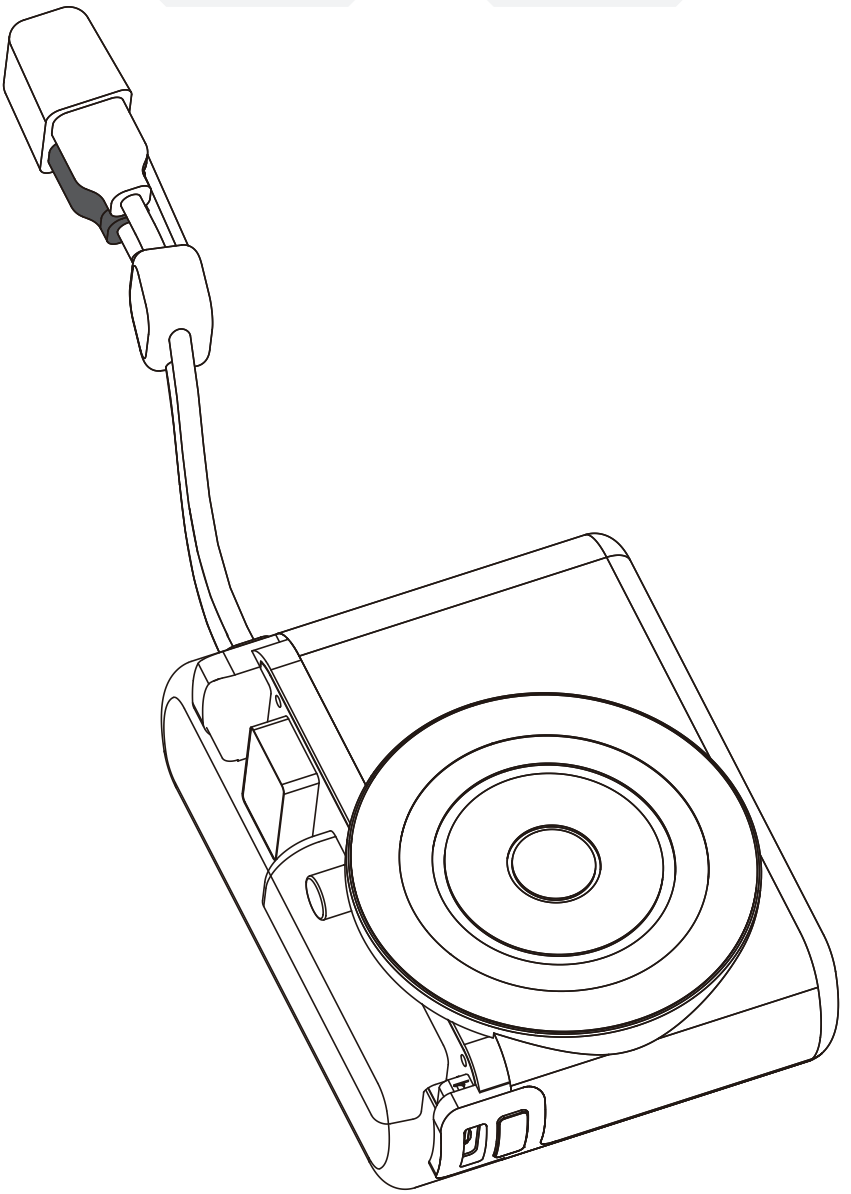
ThinkNode-M4

Meshtastic **Tracker**



Type-C Line bi-directional

Fast Charging

Lighting

Intelligent Processing Chip

Synchronous Input/Output

Decentralized Communication

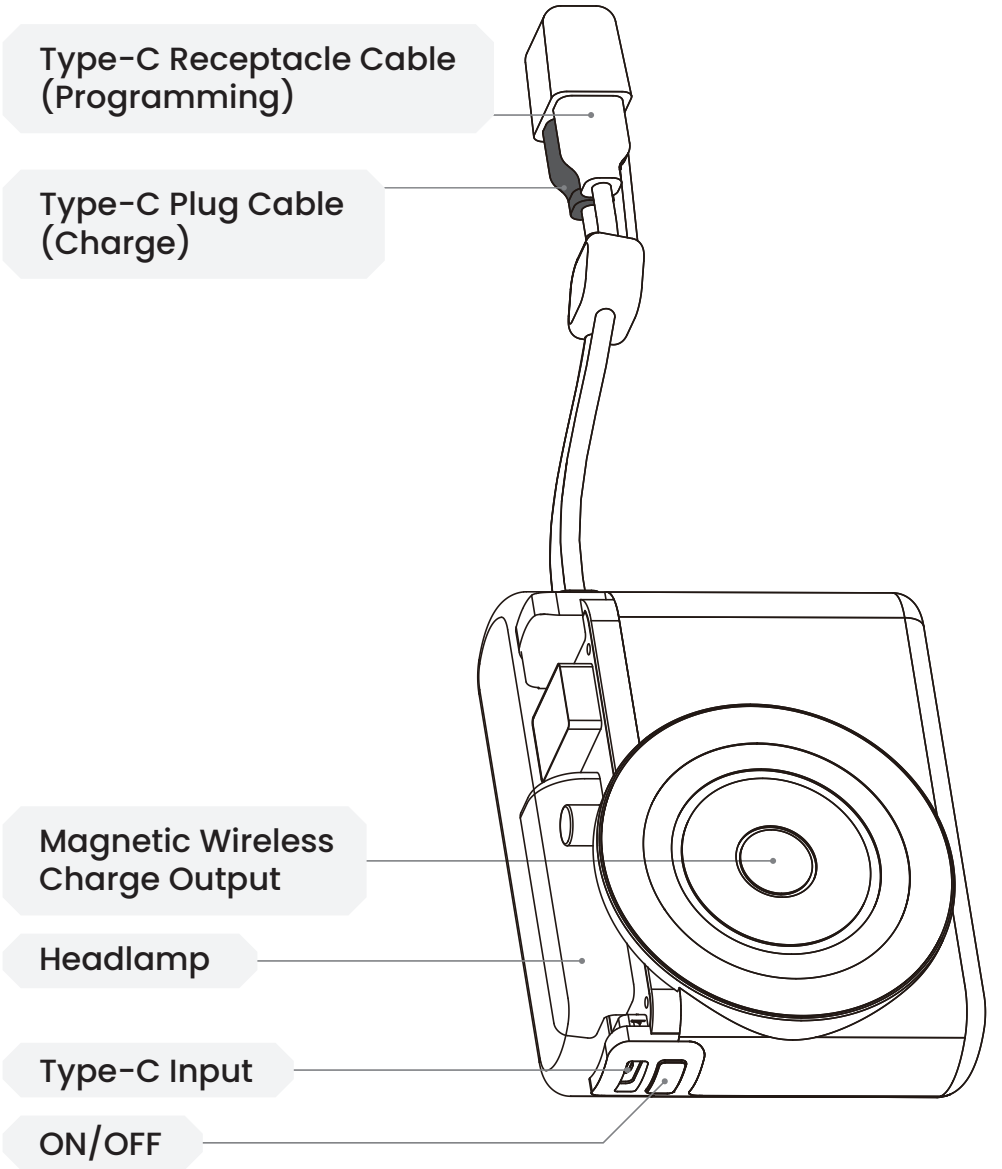
High-Precision GPS

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, or use a double-ended Type-C cable to connect via the Type-C port.

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.

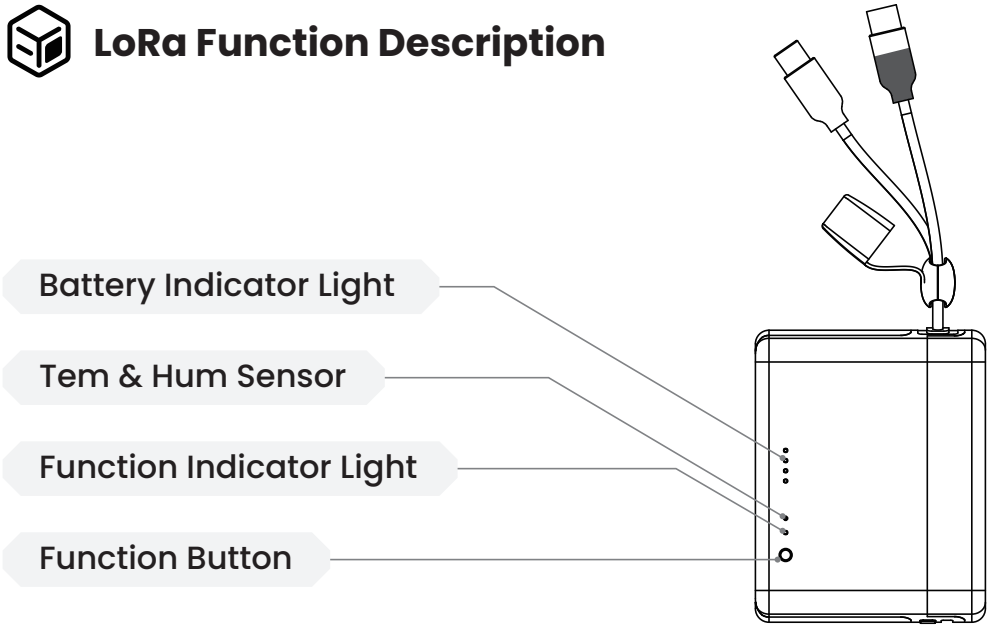
2. When charging the power bank, the wireless charging mode only supports standard 5W charging. Wireless fast charging can be activated only when charging the power bank is stopped.

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, only keep MCU and RTC	
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

★ Tracker Version:

Function Button	Function
Single click	Upload location/battery/sensor data
Single click 3 times	Turn BT on/off
Press and hold for 3s then release	Disable and enable Tracker functions
Press and hold for 10s then release	Restore factory settings and reset configuration information

LED Status	Description
Module Power on	The device's Tracker function is enabled, and it stays steadily on during charging
Module Power off	Turns off when the device's Tracker function is disabled
Communication	Rapid flashing during data transmission (5Hz)
Network Access	Slow flashing when joining or successfully joining the LoRaWAN network (2Hz)
DFU Mode	Slow flashing when the device is in DFU firmware update mode (1Hz)

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.

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-A 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.

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