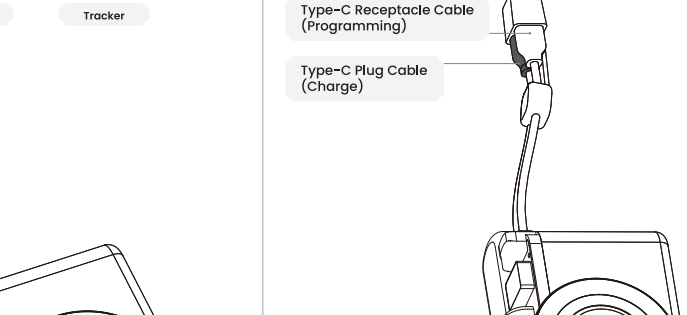


# ThinkNode-M4

Meshtastic

Tracker



Type-C Receptacle Cable (Programming)

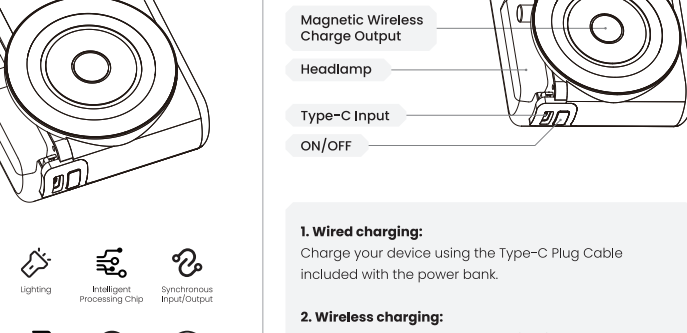
Type-C Plug Cable (Charge)

Magnetic Wireless Charge Output

Headlamp

Type-C Input

ON/OFF



Type-C Line Bidirectional

Fast Charging

Lighting

Intelligent Processing Chip

Synchronous Input/Output

Decentralized Communication

High-Precision GPS

Multi-Scenario Application

Sleek & User-Friendly

Secure & Reliable

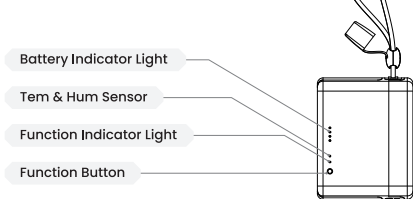
## Power Bank Function Description

| 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:

- When using both wired and wireless charging simultaneously, only the standard 5W wireless charging function is available.
- 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.
- When charging the power bank with a PD 12V adapter, the wireless charging function will be automatically disabled.
- 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%.
- 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



**Battery Indicator Light**

**Temp & Hum Sensor**

**Function Indicator Light**

**Function Button**

★ 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: Is fade in + is 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                                                   |

| <div> <div>★ Tracker Version:</div> <table> <tr> <th>Function Button</th><th>Function</th></tr> <tr> <td>Single click</td><td>Upload location/battery/sensor data</td></tr> <tr> <td>Single click 3 times</td><td>Turn BT on/off</td></tr> <tr> <td>Press and hold for 3s then release</td><td>Disable and enable Tracker functions</td></tr> <tr> <td>Press and hold for 10s then release</td><td>Restore factory settings and reset configuration information</td></tr> </table> </div>                                                                                                                                                                                                                                                                                                                                                                                              | 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 | <div> <div>🔧 Specifications:</div> <div> <div>Product Name:</div> <div>ThinkNode-M4</div> </div> <div> <div>Battery Capacity:</div> <div>7000 mAh</div> </div> <div> <div>Type-C Input:</div> <div>DC 5V=3A/9V=2A/12V=1.5A</div> </div> <div> <div>Type-C Cable Output:</div> <div>DC 5V=3A/9V= 2A/12V=1.5A</div> </div> <div> <div>Wireless Output:</div> <div>5W/7.5W/10W/15W</div> </div> <div> <div>Product Size:</div> <div>87.3*67.7*28mm (excluding cable length)</div> </div> <div> <div>Operating Temperature:</div> <div>0~40 °C</div> </div> </div> | <div> <div>🛑 Precautions</div> <div> <div> <div>● 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.</div> <div> <div>● 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.</div> <div> <div>● Children or individuals incapable of using the device independently must operate it under adult supervision.</div> <div> <div>● Do not impact, disassemble, puncture, crush, or expose the device to moisture.</div> <div> <div>● Do not use this power bank with devices that do not meet its output specifications, as this may cause malfunctions or fire hazards.</div> </div> </div> </div> </div> </div></div></div> | <div> <div>🗑️ FAQ</div> <div> <div>1. What is the function of the Type-C receptacle cable:</div> <div> <div>● You can use the Type-C receptacle cable to burn the firmware.</div> </div> </div> </div> |
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| 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                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |                      |                |                                    |                                      |                                     |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                        |
| <div> <div>⚙️ Product Performance</div> <div> <div>● Fast charge PD 20W, Wireless charge 15W.</div> <div> <div>● Intelligent chip identification charge and discharge function protection.</div> <div> <div>● Low-power, long-range wireless communication technology without relying on traditional cellular networks or WIFI.</div> <div> <div>● Enhance nighttime safety for outdoor adventurers by equipping with illumination lights.</div> <div> <div>● Enable multi-device networking, allowing users to establish independent communication networks via ThinkNode-M4 to achieve seamless connectivity and information sharing among devices.</div> <div> <div>● Enable precise navigation in outdoor environments with a built-in high-sensitivity GPS module supporting real-time positioning and trajectory recording.</div> </div> </div> </div> </div> </div></div></div> | <div> <div>📦 Packaging List</div> <div> <div>● Power Bank * 1</div> <div> <div>● Instruction Manual * 1</div> <div> <div>● Charging Cable * 1</div> <div> <div>● USB-C to USB-C Converter * 1</div> </div> </div> </div> </div> </div> | <div> <div> <div>● 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.</div> <div> <div>● 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.</div> <div> <div>● Children or individuals incapable of using the device independently must operate it under adult supervision.</div> <div> <div>● Do not impact, disassemble, puncture, crush, or expose the device to moisture.</div> <div> <div>● Do not use this power bank with devices that do not meet its output specifications, as this may cause malfunctions or fire hazards.</div> </div> </div> </div> </div> </div></div> | <div> <div>2. When the power bank fails to charge:</div> <div> <div>● Check whether the power adapter is suitable, the connector used, and whether the converter is normal.</div> <div> <div>● It is recommended to choose suitable brand of power adapter for charging.</div> </div> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                               |                                     |                      |                |                                    |                                      |                                     |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                        |
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