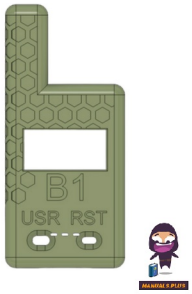
MESH TECH B1
Portable LoRa Device



MESH TECH B1 Portable LoRa Device User Guide

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Thank you for your support! Here are a few pointers for you.

- Fully charge your device via USB-C.
- Install the Meshtastic App to your phone.
- The bluetooth pairing code will be displayed on the screen during the pairing process.

Buttons

- **USR** – The user button. Press it to cycle through the different screens. Press and hold to shut off the device.
- **RST** – The reset button. It is recessed and harder to press by design. Press this button to reboot your Mesh Tech B1.

NOTE
This product is currently for pre-order only. Allow up to 30 days for your order to ship.

Mesh Tech B1 – Fully Assembled, Ready-to-Use Meshtastic Node
Durable, Compact, and Built for Reliable Off-Grid Communication The Mesh Tech B1 is a fully assembled, ready-to-use Meshtastic node designed for seamless off-grid communication using the new RAK WisMesh B1 board. Whether you're setting up a mesh network for emergency use, outdoor adventures, or off-grid connectivity, this rugged, compact enclosure ensures your device is protected and operational right out of the box. Use the Meshtastic app on your phone or tablet to realize the full potential of your Mesh Tech B1.

Key Features

- **Fully Assembled & Ready to Deploy** – No assembly required. Just power it up, pair to your phone and start communicating!
- **Durable ABS Enclosure** –Impact-resistant and lightweight, designed for long-term field use.
- **Compact & Portable** – A streamlined design that minimizes bulk while protecting internal components.
- **Long Battery Life** – Runs up to 6 days on a single charge, making it perfect for extended field use.
- **Lanyard Support** – Easily attach a lanyard for convenient carrying. (Additional mounting options coming soon.)

- **Efficient Power Management** – Designed for low-power operation, ideal for portable and long-term deployments.
- **GPS module is not required** – GPS data will be passed through the app by your cell phones internal GPS.
- **Bluetooth Connectivity –** The WisMesh B1 has a bluetooth antenna built into the board; no extra antenna is required. The Bluetooth pairing code will be displayed on-screen during the pairing process.
- **User and Reset Button** – Quickly cycle through recent messages and perform a quick reset.
- North American Frequency 915Mhz

What's Included

- **Fully Assembled Mesh Tech B1 Node** (RAK WisMesh B1 enclosed and ready to use)
- **Antenna** (Either Internal PCB antenna or External Antenna with SMA)
- **USB-C Charging Cable**

Who Is This For?

- Emergency responders & off-grid communication teams
- Hikers, campers, and outdoor enthusiasts
- Overland & expedition travelers
- Preppers and emergency planners
- Anyone needing reliable, decentralized communication

The Mesh Tech B1 is designed for those who need a plug-and-play Meshtastic node without the hassle of assembly. With up to 6 days of battery life, it's built to keep you connected in the most remote locations. Simply power it on, connect to the Meshtastic app, and start building your off-grid network today!

Case Variations Explained

- **Hidden Antenna:** This uses a PCB antenna mounted to the inside top of the case. No stubby antenna to get caught on anything. PCB antenna rated at 0.98dbi gain.
- **Stubby Antenna:** This uses a PCB antenna mounted in the slot of the nubby protrusion of the top case. PCB antenna is rated at 0.98dbi gain.
- **External SMA:** This uses an externally mounted SMA connector so you can use an SMA antenna of your choice. This version includes a folding 915mhz antenna pre-installed.

Do you want a high performance, flexible antenna? Click here!

Notice:
Currently only available in the American 915Mhz variation. We are working to get European standard stocked. We hope to have the Euro version in the coming weeks. This is a 'living project'. The final design is subject to change without notice.

Do you have your own 3D printer and already have the parts?
Download the case files here on Printables.

Documents / Resources

	**MESH TECH B1 Portable LoRa Device** [pdf] User Guide DAGgD81aGi4, BAEV0aTdTG4, B1 Portable LoRa Device, Portable LoRa Device, LoRa Device

References

- **User Manual**

Manuals+, **Privacy Policy**

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