Flashing Repeater Firmware

MeshCore-capable LoRa boards typically ship without MeshCore firmware (blank, vendor test firmware, or sometimes Meshtastic), so flashing MeshCore repeater firmware is required. This can be done entirely in a web browser - no software installation needed.

Using the MeshCore Web Flasher

1. Connect your device to your computer via USB
2. Open the MeshCore Web Flasher (flasher.meshcore.io, as of June 2026) in Chrome or Edge (a Web Serial compatible browser is required; Firefox and Safari do not support it)
3. Select your device type from the list
4. Select the **Repeater** firmware variant
5. Click Flash and wait for the process to complete
6. The device will reboot automatically when done

After flashing

Once flashed, connect to the device using the MeshCore app (via Bluetooth) or the MeshCore serial console (via USB) to complete configuration. A newly flashed repeater is not inert - it boots on the firmware default frequency (869.525 MHz, the EU default) and will transmit on that default until changed. You MUST set the correct frequency/preset for your region before deploying, both for legal operation and so the repeater is visible to your network. For the USA and Canada, set the regional preset (910.525 MHz / SF7 / BW 62.5 kHz / CR 5).

Keeping firmware updated

MeshCore releases updates periodically with performance improvements and bug fixes. For a permanently deployed repeater, periodic firmware updates ensure you benefit from these improvements. The web flasher offers current official releases; select the latest stable build unless you have a reason to choose otherwise.

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