

Xiao WIO nRF

Specs:

Low power consumption nRF52840 microcontroller and Wio-SX1262, supporting BLE5.0 and LoRa (862-930MHz)

- Lora 910MHz antenna is external U.FL and IPEX connector
- Bluetooth 2.4GHz antenna is internal
- Has an integrated 0.1A lithium ion battery charger

Purchase link:

<https://www.aliexpress.com/item/1005010599348765.html>

Programming:

Use the official repeater firmware at <https://meshcore.io/flasher>

NOTICE: This nRF board requires a bluetooth OTA bootloader

To be able to update Over The Air update the bootloader



Repeater

Special role just for routing packets. Configured via Config/Console on flasher main page

WARNING: We strongly recommend installing [OTAFIX bootloader](#) by [@oltaco](#) if you plan to update firmware via OTA bluetooth, as factory bootloader does not support it! [Read more](#)

Version

v1.17.1 ▼

Changelog:

Release notes:

<https://blog.meshcore.io/2026/08/14/release-1-17-1>

<> Enter DFU mode

🗑 Erase Flash

⚡ Flash!

📄 Download ▼

[Xiao_nrf52_repeater-v1.17.1-d929643.zip](#)

[Xiao_nrf52_repeater-v1.17.1-d929643.uf2](#)

[Xiao_nrf52_QSPIFlash_Format-v1.2.uf2](#)

[xiao_nrf52840_ble_bootloader-0.9.2-OTAFIX2.2.zip](#)

[xiao_nrf52840_ble_sense_bootloader-0.9.2-OTAFIX2.2.zip](#)