

# Flashing AREDN Firmware - Field Guide

This guide walks you through how to flash AREDN firmware onto supported devices like MikroTik and Ubiquiti routers.

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## Important Notice

Flashing firmware improperly can brick your device. Follow these steps carefully and make sure your hardware is supported.

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## Supported Devices

Check your device compatibility in the [AREDN Supported Platform Matrix](#). Firmware is available at: <https://www.arednmesh.org/software>

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## What You Need

- AREDN-compatible device (MikroTik, Ubiquiti, etc.)
  - Ethernet cable
  - PC with Ethernet port
  - TFTP tool (for Ubiquiti)
  - MikroTik NetInstall (for MikroTik)
  - Static IP on PC (e.g. 192.168.1.25)
  - AREDN firmware .bin or .elf file
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## Flashing MikroTik hAP ac2 / ac lite

1. Download NetInstall from MikroTik.
  2. Connect PC to MikroTik with Ethernet cable.
  3. Set PC IP to 192.168.88.3.
  4. Hold reset button while powering on device (until LED blinks).
  5. Launch NetInstall, select AREDN .elf file, and flash.
  6. Wait for device to reboot and access it via <http://192.168.1.1>.
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## Flashing Ubiquiti Devices

1. Set PC IP to 192.168.1.25.
2. Install TFTPd and configure firmware path.
3. Rename firmware file according to device instructions.

4. Power on device while holding reset (enter TFTP mode).
  5. Upload firmware via TFTP.
  6. Wait ~5 mins. Connect to `http://192.168.1.1`.
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## After Flashing

- Open a browser and go to `192.168.1.1`
  - Set hostname, node name, and password
  - Configure mesh parameters
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## References

- [AREDN Firmware Downloads](#)
- [Official AREDN Docs](#)