



This section is under construction.

## NPR

NPR (New Packet Radio) is a custom radio protocol, designed to transport bidirectional IP traffic over 430MHz radio links (ham radio frequencies 420-450MHz). This protocol is optimized for “point to multipoint” topology, with the help of managed-TDMA. Bitrate is 50 to 500kbps (net, effective bitrate), depending on the RF bandwidth chosen. -[Hackaday Project Page](#)

This is interesting because NPR could be used to link to AREDN and provide slower links to areas where microwave is not an option.

## What To Buy

- [NPR unit](#)
- [Amplifier](#) <sup>1)</sup>

## More Info

Here are a few more links:

- [Hackaday project page](#)
- [Discussion on arednmesh.org](#)
- [Official Groups.io](#)
- [Article on IEEE Spectrum](#)
- [Article on DX Zone](#)
- [Our Groups.io thread](#)

<sup>1)</sup>

Make sure to read pages 12-14 of the [advanced guide](#) because some modifications to the amplifier are required.

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<https://wcairedn.ca/> - **West Coast  
AREDN**

Permanent link:  
[https://wcairedn.ca/next\\_steps/npr](https://wcairedn.ca/next_steps/npr)

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