# NPR (New Packet Radio

> NPR (New Packet Radio) is a custom radio protocol, designed to transport bidirectional IP trafic over 430MHz radio links (ham radio). This protocol is optimized for "point to multipoint" topology, with the help of managed-TDMA.

Bitrate is up to 500kbps (net, effective bitrate). The radio modem is cheap (~80$) and home-made, with a 433MHz ISM module inside. The modem is connected locally with Ethernet, therefore no specific software is needed on PC.

Link