

Full Duplex MMDVM Hot Spot

This is a Full Duplex, Not Simplex, Hot Spot that I built and programmed in about 3 hours.

It consists of,

- Modified case from C4Labs
- Full Duplex MMDVM Kit with OLED
- Pi Zero W
- Micro USB breakout and 90 degree cable (inside the case)

I will work with DMR, P-25, D-Star, and System Fusion.

It is fully assembled and operational.

All you need beside this device to have essentially your own Digital Repeater is,

- A Micro USB cable and power supply. Very low current. Most wall warts with micro USB will work fine or a rechargeable battery pack with a micro USB cable will power this for many hours.
- Wifi internet access home or through a smart phone.
- DMR ID to work with DMR on this device. DMR ID's are free for any ham with a Tech license. Simple application process.
- A DMR radio to work with DMR or a radio for the mode you wish to operate.

It cost me \$131.03 to build this device and I will sell it and help program it for any Active IOK. A small donation for my time would be appreciated but is not necessarily required.

DMR will give IOK a communications platform that uses radios, some of which are very inexpensive like the RD-5R, or for a reasonable price provide many impressive features like the Anytone 787 Plus (my favorite handheld with Bluetooth).

DMR will give us private comms, and when necessary secure comms, in multiple different ways as well as statewide, nationwide, and worldwide comms on a Technician License.

Contact IOK Communication Coordinator if you are interested or have questions about this device. Email – commscoord@indianoathkeepers.org

