

## DMR Radio and Hotspot

### DMR Radio

(No need to purchase other antennas if used with a Hotspot)

DMR radios work with local repeaters just as analogue radios with the added capability of Internet bridges for expanded worldwide communications. While the repeaters work well a hot spot is by far preferred for numerous reasons. A hotspot works as your own personal repeater so long as you have a wifi connection for it to connect with. The wifi can be your home wifi or the wifi hot spot in most smart phones. When used with a phone hotspot it can be used mobile. A hot spot uses very little bandwidth less than 500 megabits per month if used daily.

- **Baofeng DM-1701 DMR Handheld, **Highly Recommended**** – Works best when used with a Hotspot. Will work through repeaters and in simplex both digital and analog modes. This radio will work analog without a DMR ID but the DMR channels require a DMR-ID which is easy to apply for and free if you have a Ham Technician License. This radio works well with Speaker/Mic accessories, as well as tactical headsets.

<https://www.radioddity.com/collections/consumer-radios/products/baofeng-dm-1701>

- **Baofeng RD-5R**

<https://www.radioddity.com/collections/consumer-radios/products/radioddity-x-baofeng-rd-5r-dmr-ham-amateur-two-way-radio>

The Baefeng RD-5R is a good **low cost** DMR radio, it works well. They offer a larger battery for the radio on the website. This is a good battery. They also offer a Mic/Speaker that plugs into the radio port, this speaker/mic does not work well with this radio it causes interference called motorboating; save your money.

- **Anytone 878 Plus**

<https://www.ebay.com/itm/AnyTone-AT-D878UV-Plus-GPS-Bluetooth-3100-mAh-battery-and-more-US-seller/293078468382?epid=3027055803&hash=item443cd6871e:g:oH4AAOSwuMxdDN~h>

This is a more expensive DMR Radio and it carries many more excellent features and the Lapel Mic and Speaker/Mic work perfectly with this radio. This radio is worth the money. I use the tactical lapel mic (link below) with this Anytone 878. It works great and has very good volume.

[https://www.amazon.com/gp/product/B01LZH77J6/ref=ppx\\_yo\\_dt\\_b\\_asin\\_title\\_o00\\_s00?ie=UTF8&th=1](https://www.amazon.com/gp/product/B01LZH77J6/ref=ppx_yo_dt_b_asin_title_o00_s00?ie=UTF8&th=1)

- **MMDVM Hot Spot,**

- **Simplex Model Completely Assembled**

<https://www.ebay.com/itm/MMDVM-Hotspot-Support-P25-DMR-YSF-Raspberry-Pi-OLED-Antenna-Case-16G-Card/312861126705?trkparms=ispr%3D1&hash=item48d7f9f031:g:844AAOSwnGleBGn7&enc=AQAFAAACYBaobriLI8XobRIiML1V4Imu%2Fn%2BzU5L90Z278x5ickkRjLZq23gAR%2BKma9gM2Z1hnXo4fULwPOAbkvP%2FxxcFY7OHTCcCO4XPnEHKiJ3qoCwYJPPNgmZbD4CdjJ1h7fb53BHwzMdoPYgOeHY6faa%2FsmKo7B3GChApE1YI7ZWso36DZWrXvRDUfXWOPg1kF74NglfviiMQzJxH5fjMQ6Ja2nEE2X8unbU3PsVkj7Onpk29%2FijX95ppAxRLjPcukzfUKaNHnK83XYUsxCocGpWYEVORs5OwYtjZPk%2Fjhm5Nb%2FOdfA2DVH5d4v3fH70YjtG5HXCqRfzfeLXwYM2rlGmndqFbMhFVPwbf%2BCEjgdYcnKsqd3Cm93TZqhFU0bwZwfPbCeBgHOkBLS9uMRfIJ%2FOm0FgRP68NN5mag2ep0h2P9sW4UA38jT6sBx2R5MUIK06ZEwRQuH0%2FiWH49x656a3I7SsSH3zHfVAlkFRUn1kRRu4SOUHw0BvZ662GtSzPedAiyM9SYxIUcwEvd%2FjVH6AAH7qq5SjmYtzzB2zJdqxJQjvdYtoFqOmd%2BTJMahGN8wbsHZrjG9iUf%2Fp6zbMV%2Ba1g2m%2B7sIMUdJ0jgnJfWuX120F%2ByVg3mgVvq6miGPwyGSAI92vHII8hYmZXDk36rKkF%2BVVCyQPVIHWfPwMQS3Ihr5zGh%2B5q2gY3cM%2B8cP%2BZW H8JWMNQ8ucwqjlQYwUwoJ4fzX2J1L0qZ81%2FCNdiMv3kGX1%2By8a%2B%2BAsU834i6xnxuykKcyF3vyy6DxfjSrEU6tt2pCR5lhvkTLWKX3SCsaf&checksum=312861126705a01927497830479ea45719a9c8bfc57b>

You will have to provide a Micro USB cable and USB power supply for the Jumbo Spot. Setting up the Jumbo Spot can be frustrating. I have many of these and know how to set them up. I will help you get set up and will teach you the in's and out's of the DMR system.



- **Duplex Model,**

<https://www.ebay.com/itm/MMDVM-Duplex-HotSpot-Dual-Band-2m-440-Fully-Assembled-w-3-5in-Nextion-Display-US/124248544913?hash=item1cedca5691:g:ZSoAAOSwDaVfAhEf>

