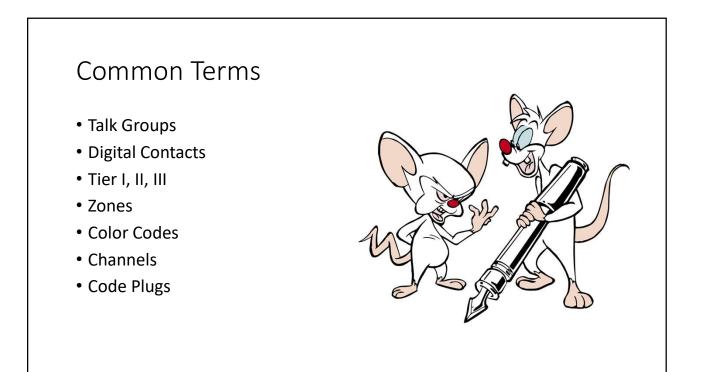
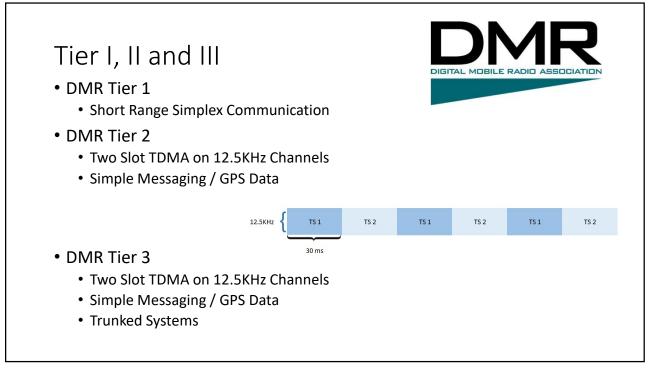


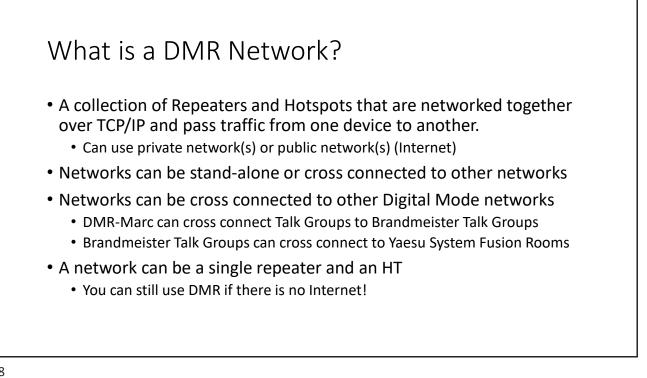
| Digital mobile radio | 文 _A 10 languages 丶 |
|--|--|
| Article Talk | Read Edit View history Tools ~ |
| From Wikipedia, the free encyclopedia | |
| to reliable sources. Unsourced material may be ch Find sources: "Digital mobile radio" – news - newspapers - remove this template message) Digital mobile radio (DMR) is a digital radio standard for voice and data trans Felecommunications Standards Institute (ETSI). ⁽¹¹ and is designed to be low-o | books - scholar - JSTOR (April 2011) (Learn how and when to smission in non-public radio networks. It was created by the European ost and easy to use. DMR, along with P25 phase II and NXDN are the |
| nain competitor technologies in achieving 6.25 kHz equivalent bandwidth usin IDMA in a 12.5 kHz channel, while NXDN uses discrete 6.25 kHz channels us channel. | |
| DMR was designed with three tiers. DMR tiers I and II (conventional) were firs with manufacturers producing products within a few years of each publication. | t published in 2005, and DMR III (Trunked version) was published in 2012, |
| The primary goal of the standard is to specify a digital system with low comple ourchasers are not locked into a proprietary solution. In practice, given the cur | |





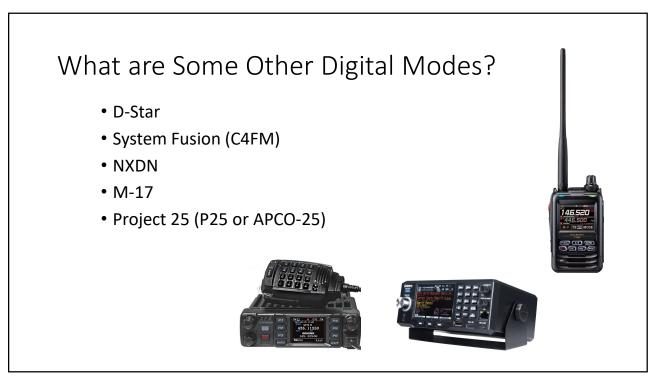




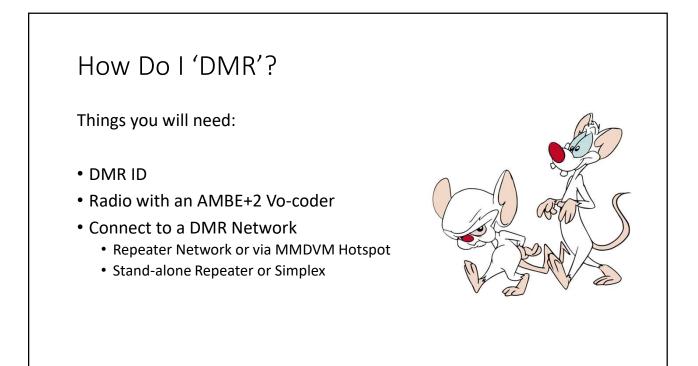


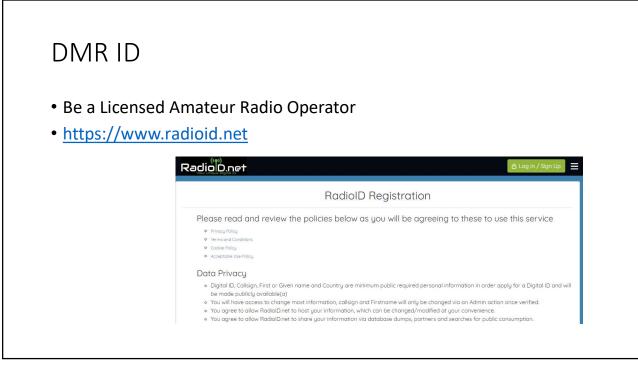
DMR Networks

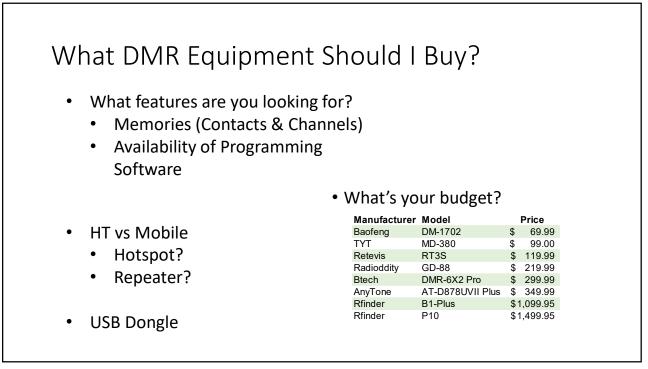
- DMR-MARC
 - Largest DMR Network Worldwide
- DMR+
- Brandmeister
 - Largest DMR Network in US
- TGIF
 - Started in Florida, growing fast
- QuadNet, FreeDMR
- ... there are more, the list keeps growing

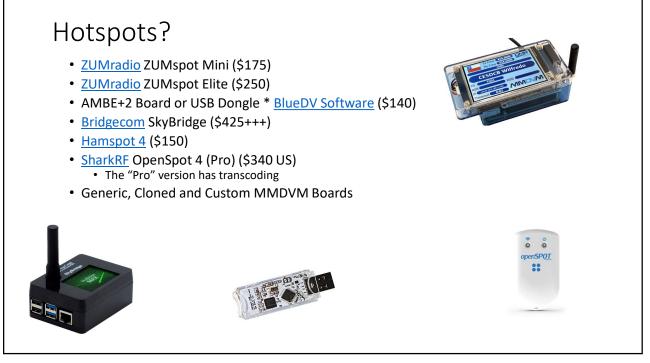


| Digital Mode Comparison Chart | | | | | | | |
|-------------------------------|---------------------------|---------------|--|-------------------|--|--|--|
| Mode | Analog | D-Star | DMR | YSF | | | |
| Networks | IRLP, EchoLink, All-Star | REF, XLX, DCS | Brandmeister, DMR-MARC, TGIF, DMR+, many others | Wires-X, YSF, FCS | | | |
| Server Nomenclature | Reflector | Reflector | Talk Group | Room, Reflector | | | |
| Signal Validation | CTCSS, Tone, Tone-Squelch | RPT 1 | Color Code | N/A | | | |
| Modulation | FM | GMSK | 4-State FSK with TDMA | C4FM | | | |
| Creator | N/A | JARL | ETSI | Yaesu | | | |
| Verbal ID Required? | Yes | No | Yes | No | | | |
| | | | | | | | |

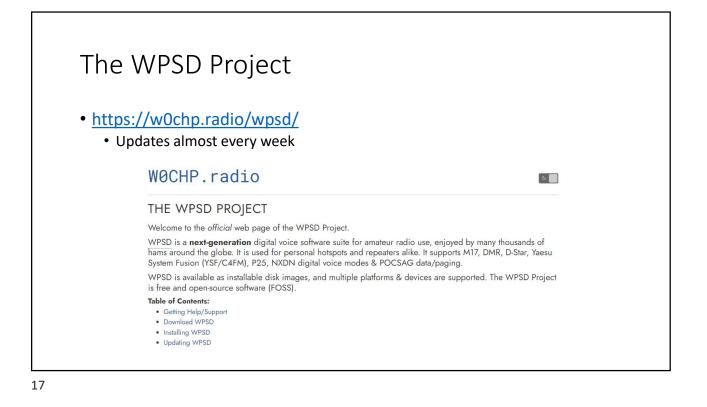




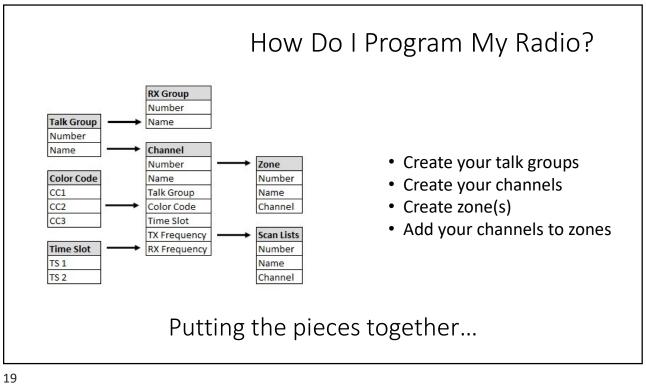




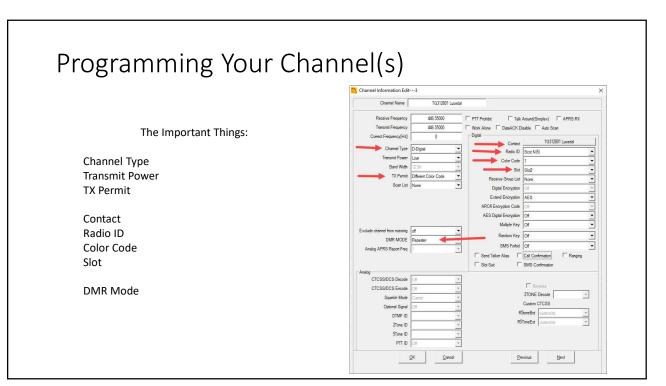




| What's the Fre | equency K | enneth | ? | |
|--|--|---|----------------------|--|
| Hot Spot Ever heard of <u>Southeastern Repeater</u> <u>Association</u>? They are the frequency coordinator for the State of Mississippi. | | Remember Southeastern Repeater Association?They also recommend simplex frequencies for | | |
| • Avoid 432.0000 to 433.0000 | 440.9125 440.9250 440.9375 | 441.0375 441.0500 441.0625 | 441.1625 441.1750 | |
| Hot Spots qualify as Link and Control | • 440.9500 | 441.0750 | | |
| 441.1875 – 446.1875 | • 440.9625 | 441.0875 | | |
| • 441.2625 - 446.2625 | • 440.9750 | 441.1000 | | |
| | 440.9875441.0000 | 441.1125 441.1250 | | |
| • to | • 441.0125 | 441.1250 | | |
| | • 441.0250 | 441.1500 | | |
| 441.6500 – 446.6500 | | | | |
| 441,7250 – 446,7250 | | | | |







Programming/Operating Tips Programming Lucedale Talk group 312801 Using the talk group: For the repeater is one channel For your hot spot, it is another channel

- Use Zones to your advantage.
 - Create a Zone for the Lucedale Repeater or (George County) (Stone County)
 - Create a Zone for your hot spot
- Create Disconnect and Parrot channels in each zone.
- Remember to ID!
 - Your Brandmiester ID is not ID'ing.

