

PROGRAMMING HAM RADIOS

Things you need to know

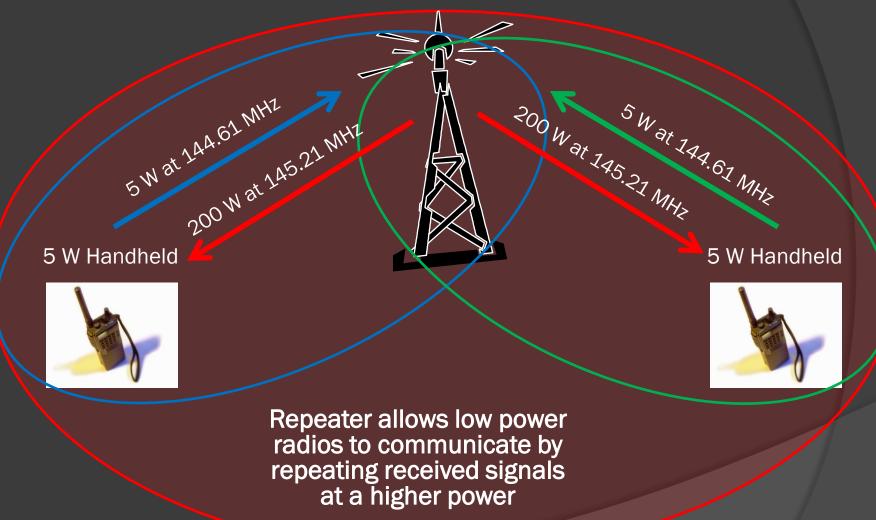
- Channel type: Simplex or Repeater?
 - If Simplex, then you need to know the Frequency
 - If Repeater, then you need to know:
 - Frequency, Offset Frequency and Direction
 - De-squelch Tone type and Frequency if required
- Each Radio is Different, so the exact programming sequence will be unique
 - Consult your manual, purchase the programming software, or find someone who purchased the programming software

Repeater Operation Review

- Repeaters re-transmit signals they receive
- Allows low power handhelds to be heard over large areas
- Repeaters receive on one frequency and re-transmit on another at the same time
- The output (TX) of the repeater is usually specified by its frequency
- The input (RX) of the repeater is specified by a frequency offset relative to the output frequency
 - Repeater RX frequency is your Radio's TX frequency in repeater mode
 - Repeater TX frequency is your Radio's RX frequency in repeater mode

200 W Repeater

at 145.21 MHz with -600 kHz Offset



Repeater Examples

- KBARA Mica Peak 2 meter repeater
 - TX Frequency: 147.38 MHz
 - RX Offset: +600 kHz (repeater receives the input signal to be repeated at 147.98 MHz)
 - No Tone required
- Agilent 2 meter repeater
 - TX Frequency: 145.21 MHz
 - RX Offset: -600 kHz (repeater receives the input signal to be repeated at 144.61 MHz)
 - 100 Hz CTCSS Tone required

Memories

- Radios have non-volatile storage locations for your favorite channels
- Once you have the required data, you must enter it into one of your radio's memory locations
- The Yaesu FT-60 has 1000 memories that can be organized into 10 banks

Yaesu FT-60 Programming Example

- Select the desired frequency while operating in the VFO mode. Be sure to set up any desired CTCSS or DCS tones, as well as any desired repeater offset.
- Press and hold in the [F/W] key for one second.
- Rotate the DIAL knob to select the desired memory location (0 to 999)
- Press the [F/W] key once more to store the frequency into memory

Yaesu FT-60 Recall Procedure

- While operating in the VFO mode, press the [V/M(PRI)] key to enter the Memory recall mode
- Rotate the DIAL knob to select the desired channel
- To return to the VFO mode, press the [V/M(PRI)] key

Yaesu FT-60 Programming Software

