



RACES/CERT COMM

Training Class

Wednesday, April 14, 2010



Training Wish List

- Use of keyboard/radio, how to use the hand held
 - Input frequency into memory
 - DMR/Band Ground
 - Lock/Unlock
- What if there is no repeater?
- Stuff to hook into and out
- Cross band repeater
- How to add to memory
- Mobile mount/car mount/base station
- RACES and FORMS
- Low/HF band
- WINLINK



Some Radio Usage Tips

- When talking on the radio, be sure to face the wind when talking. This will ensure that the wind does not cross the microphone so that your voice is as clear as possible when speaking into the radio.
- Be sure to always say your call sign when leaving a conversation.
 - It's polite to also say "73" to the person(s) you are finishing a conversation with. This is equivalent to saying "Goodbye" in the HAM world



Internet Tone and Locking

Sometimes when you transmit, you may hear a series of tones. This is the Yaesu Internet tone for WIRES operation. To turn it off →

To stop the Internet tone (European mode) on the VX-6R:

- Press the [🔒 (LK)] momentarily.

Note: CERT/RACES don't use this mode

To stop the Internet tone (European mode) on the FT-60:

- Press the [0🔒)SET] momentarily.

Note: CERT/RACES don't use this mode

To lock or unlock your radio's keypad →

To lock the VX-6R:

- Press and hold the [🔒 (LK)] key for 2 seconds.

To unlock the VX-6R:

- Press and hold the [🔓 (LK)] key for 2 seconds.

To lock the FT-60:

- Press and hold the [6(LOCK)] key for 2 seconds.

To unlock the FT-60:



- Press and hold the [6(LOCK)] key for 2 seconds.



Transmit Level

If you are having trouble keying a repeater, you may need to boost your transmit level →

To change your transmit level on the VX-6R:

1. Press [**F/W**] key, then press the  (**LK**) key to enter Tx Level Set mode.
2. Then quickly continue to press the  (**LK**) until you reach the desired Tx level.
 - LOW1 (0.5 W)
 - LOW2 (1 W)
 - LOW3 (2 W)
 - HIGH (5 W)

To change your transmit level on the VX-6R:

1. Press [**F/W**] key, then press the [**3(TX PO)**] key to enter Tx Level Set mode.
2. Rotate the **DIAL** knob to select the desired output level.
 - LOW (0.5W)
 - MID (2 W)
 - HIGH (5 W)
3. When you have made your choice, press the **PTT** key to save the new setting and return to normal operation.



Newport Beach Repeater

If you lose your settings on your radio, here is how to program your radio to the Newport Beach repeater →

On the VX-6R:

1. Set the Frequency to 145.160
 - Press the **[V/M]** key until you are in frequency mode (you will see only numbers, no text).
 - Turn the **DIAL** knob to “145.160” or just type 145.160 using your keypad.
2. Set the Private Line (P/L) Tone (RVTN, TONE, OFF, DCS, TSQL) to TONE.
 - Press **[F/W]** key, then **[MODE(SQ TYPE)]**.
 - Turn the **DIAL** knob to “TONE”
 - Press the **PTT** key or the **[MODE(SQ TYPE)]** key to accept.
3. Set the P/L Tone to 156.7 Hz.
 - Press **[F/W]** key, then **[2(CODE)]** key.
 - Turn the **DIAL** knob to “156.7HZ”
 - Press the **PTT** key or the **[2(CODE)]** key to accept your setting.

On the FT-60:

1. Set the Frequency to 145.160
 - Press the **[V/M]** key until you are in frequency mode (you will see only numbers, no text).
 - Turn the **DIAL** knob to “145.160” or just type 145.160 using your keypad.
2. Set the Private Line (P/L) Tone (RVTN, TONE, OFF, DCS, TSQL) to TONE.
 - Press **[F/W]** key, then **[1(SQ TYPE)]** key.
 - Turn the **DIAL** knob to “TONE”
 - Then press the **PTT** key to accept.
3. Set the P/L Tone to 156.7 Hz.
 - Press **[F/W]** key, then **[2(CODE)]** key.
 - Turn the **DIAL** knob to “156.7HZ”
 - Press the **PTT** key or the **[R/W]** key to accept your setting.



Squelch

Sometimes you may hear a lot of background noise, or ambient static. You may need to adjust what's known as squelch.

Squelch is just like CB radios where if you are far away from a radio you may only hear static background noise. You can "squelch" this static by adjusting your squelch level.

The lower the squelch, more background noise is allowed to pass. A setting of 0 lets all noise pass

The higher the squelch, more blocking of background noise occurs. As you set your squelch higher, the radio will only allow stronger and stronger signals to be heard.

We tune the squelch feature on your radio in the following ways →

On the VX-6R:

1. Press the **[F/W]** key, then **[0(SET)]**.
2. Turn the **DIAL** knob until you reach Item 59 **[SQL]**.
3. Press **[0]** to enter the adjustment setting.
4. Turn the **DIAL** knob to set the desired squelch level.
5. Press the **PTT** key to make the setting permanent.

Or

1. Press the **[F/W]** key, the **MONI** key (the one below the **PTT** key).
2. Use your **DIAL** to change the squelch level.
3. Press the **PTT** key to accept your new squelch.

On the FT-60:

1. Turn the **SQUELCH DIAL** until the ambient noise is no longer heard.

The **SQUELCH DIAL** is the dial under the main **DIAL**.



Band Scanning

Sometimes you want to scan all of your programmed channels to see if there are any conversations happening. This can be accomplished with the “Band Scan” feature.

When you start scanning, your radio will “run” through all of your programmed channels until it hears activity that is loud enough to open the squelch. It will then stop on the channel for 5 seconds so that you can listen and see if you want to stay on that channel.

To start scanning your bands follow these steps →

On the VX-6R:

- Press the **[BAND(SCN)BND ON]** key for one second.
 - The radio will now start scanning through all of your programmed channels. Or frequencies if you are in VFO mode.
 - The radio will stop for 5 seconds on any channel that has noise.
- When you hear a channel you want to stay on, hit the **PTT** key or the **[V/M(DW)MT]** key.

On the FT-60:

- Press and hold either the **[▲(MHz)]** or **[▼(MHz)]** key for one second.
 - The radio will now start scanning through all of your programmed channels. Or frequencies if you are in VFO mode.
 - The radio will stop for 5 seconds on any channel that has noise.
- When you hear a channel you want to stay on, hit the **PTT** key or the **[V/M(PRI)]** key.

