

Hillsborough County ARES RACES



Emergency Communications

RACES/ARES Needs You!



**WE NEED YOU!**



# Cross Band Repeat

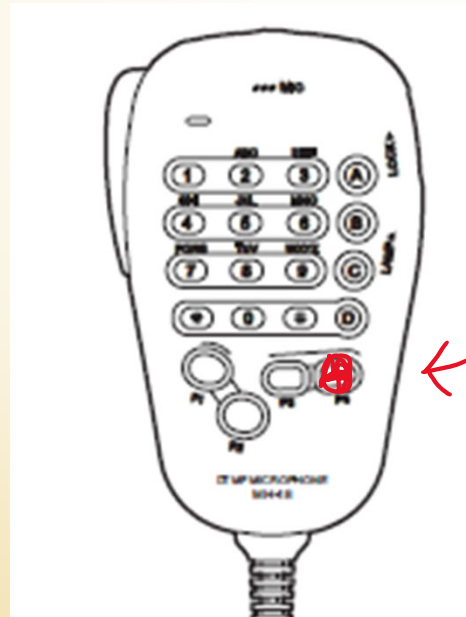
- Remember Power and Duty Cycle
- Danger Will Robinson
- Basic Setup (simplex to duplex)
- Alternate uses ( simplex to simplex)

# Lets Set Up Cross Band on FTM-400

## Entering Cross-band mode

- Turn the APRS modem off.
- Set a UHF frequency in either the upper or lower display, using either the VFO or memory. (Upper display set to repeater freq.)
- Set a VHF frequency in the other display, using either the VFO or memory. (Lower display set to HT frequency)
- Turn the FTM-400 off.
- Press and hold the lower 3 buttons to the right of the display then press the power button.
- “X-BAND Repeater” will be displayed between the upper and lower frequency displays, if the FTM-400 transferred into cross-band repeater mode.

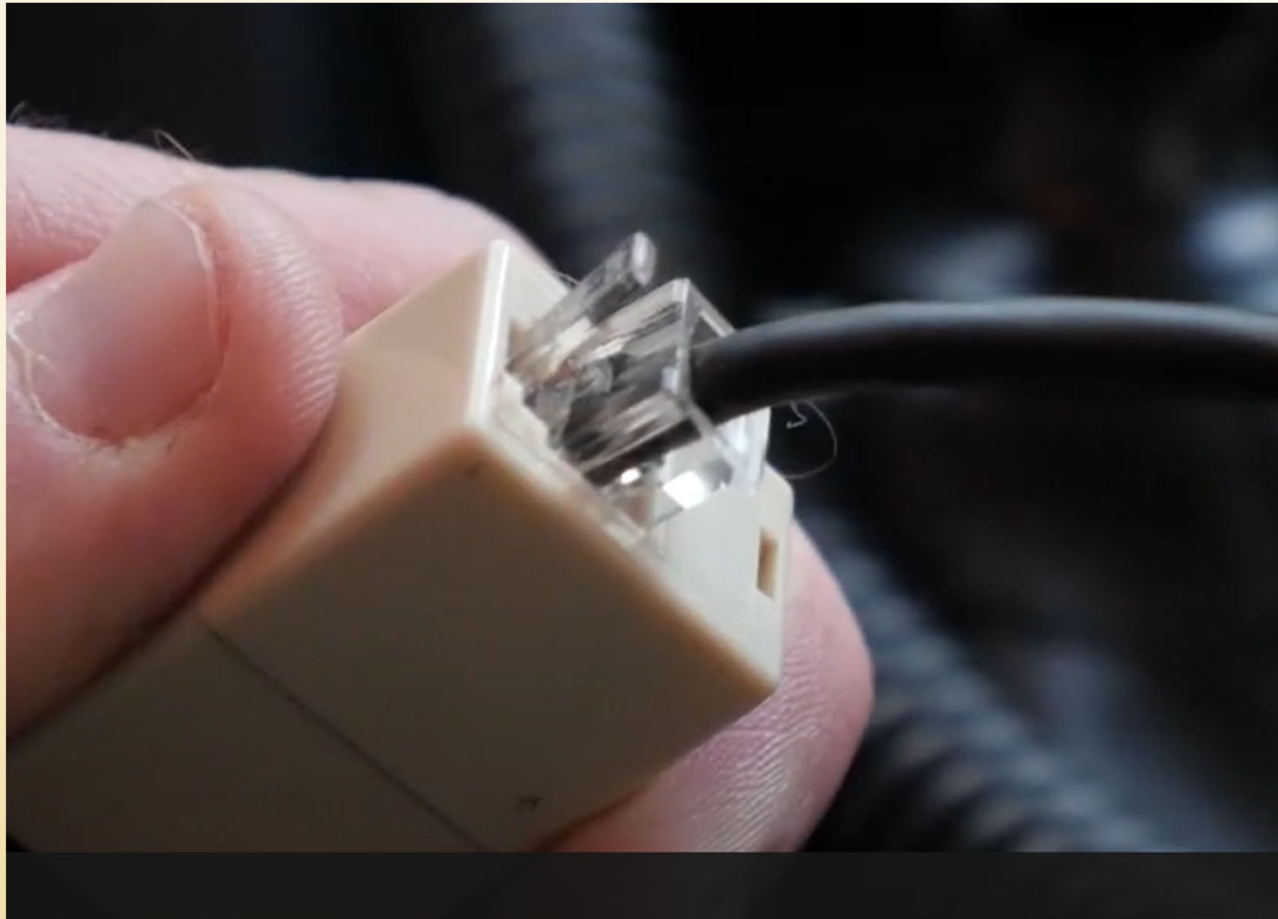
Before the next step  
Set output POWER



Then turn the radio off  
PRESS GM F/MW DISP/SETUP AT THE SAME TIME  
TURN ON THE RADIO




# UNPLUG THE MICROPHONE



## DO YOU NEED TO USE SIMPLEX TO DUPLEX

- Can you hear the repeater on your HT
- Repeater can't hear you on HT
- Just use simplex to simplex repeater input
- If interfered with just
- Use pl tone from ht to your mobile radio

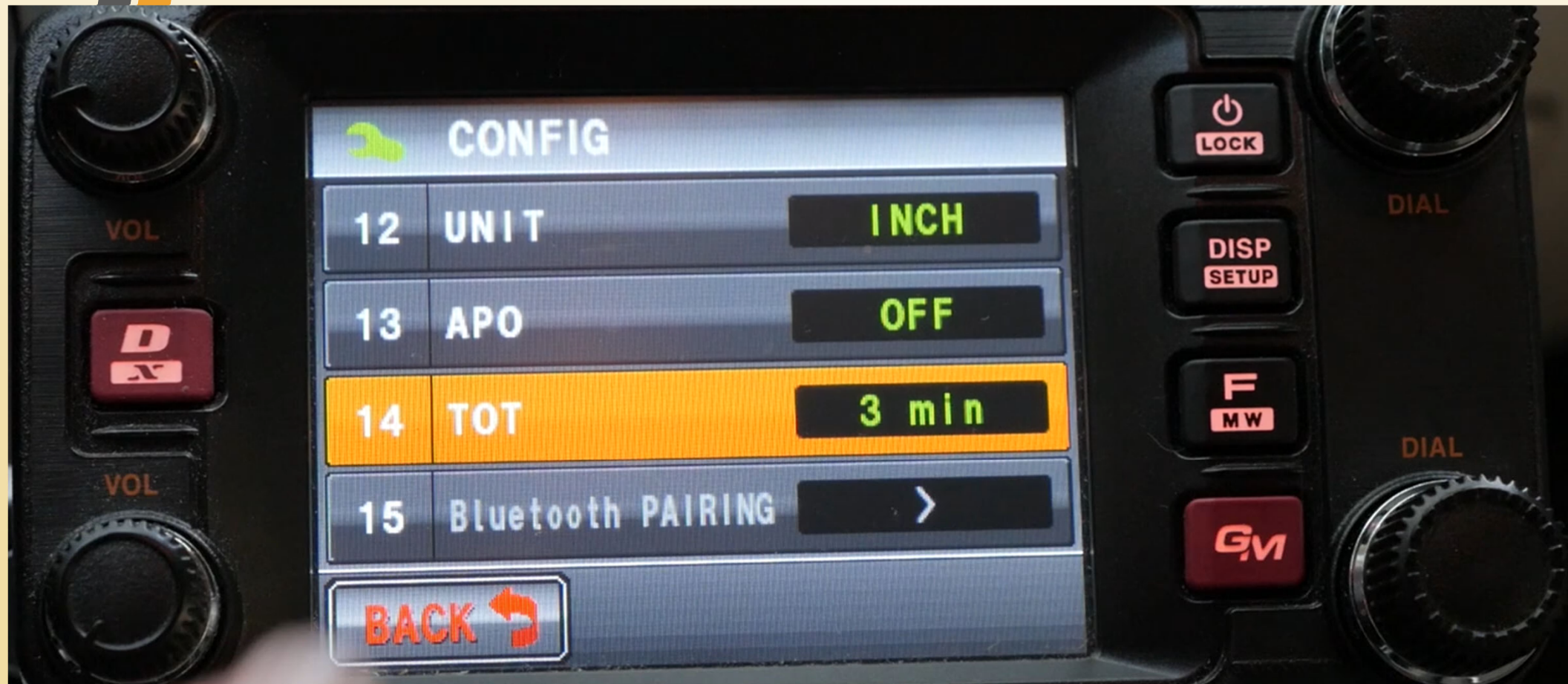


**YOU MAY SET A TIMER  
TO PREVENT  
HAVING INTERFERENCE  
GETTING YOU STUCK  
IN TRANSMIT**

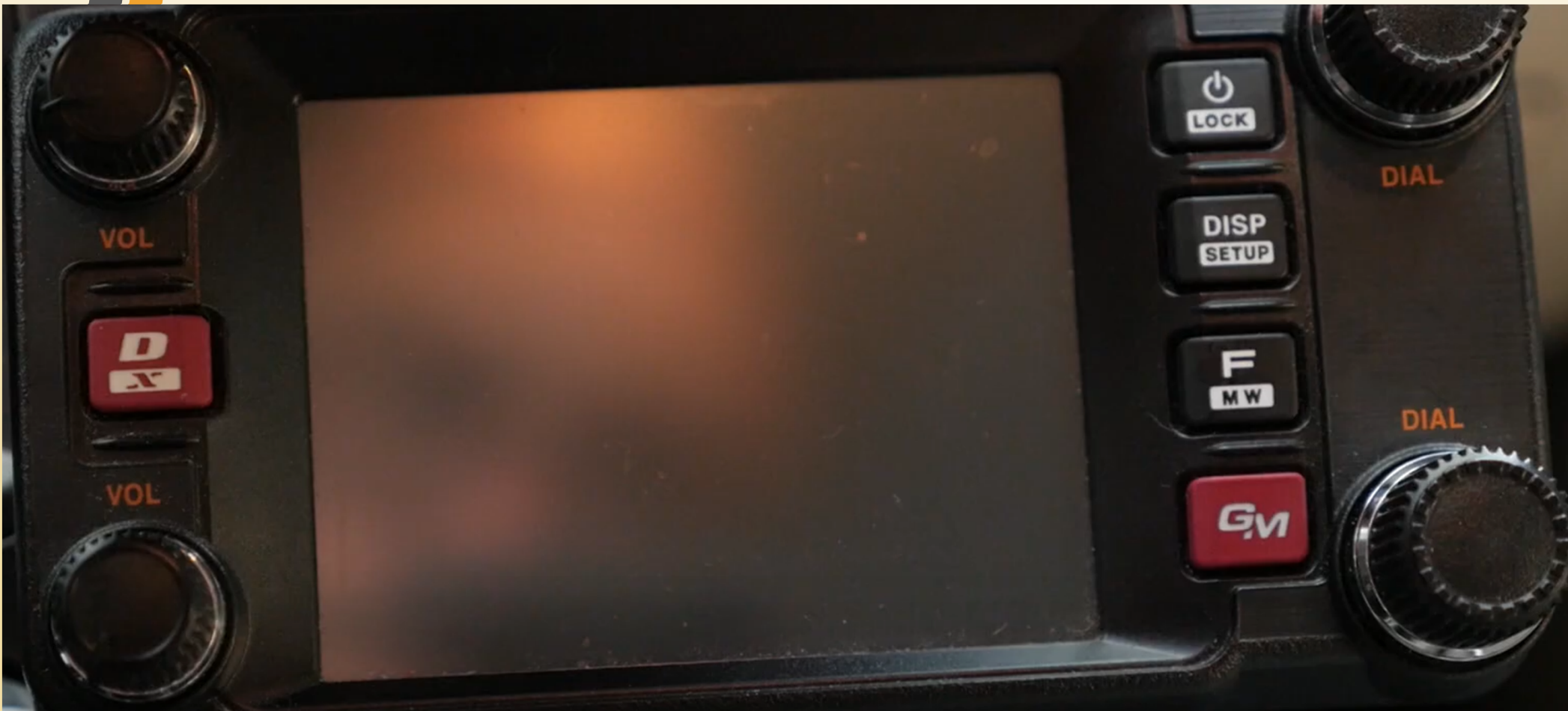
PRESS SETUP AND THEN CONFIG



SET TIMER TO 3 MIN



# REVERSE PROCEDURE TO STOP CROSS BAND



## Now Back to Normal

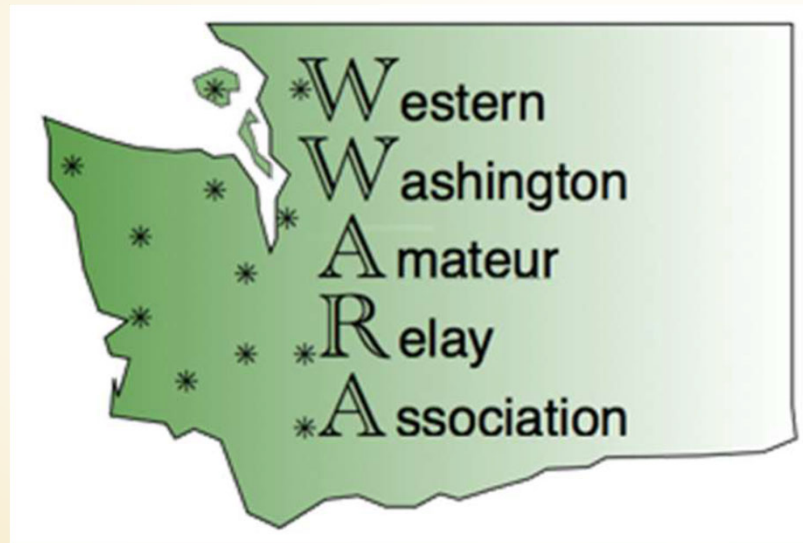
### Exiting Cross-band mode

- Turn the FTM-400 off.
- Press and hold the lower 3 buttons to the right of the display then press the power button.
- “XBAND Repeater” **will not** be displayed between the upper and lower frequency displays, if the FTM-400 transferred out of cross-band repeater mode.
- Return the frequencies to your preferences.
- Turn the APRS modem on, if you run APRS.

# PLUG THE MICROPHONE BACK UP



<http://www.WWARA.org>



UNDER DOCUMENTS -- CROSS BAND CONSIDERATIONS

# Q&A or Member Comments



Emergency Communications



**The End**