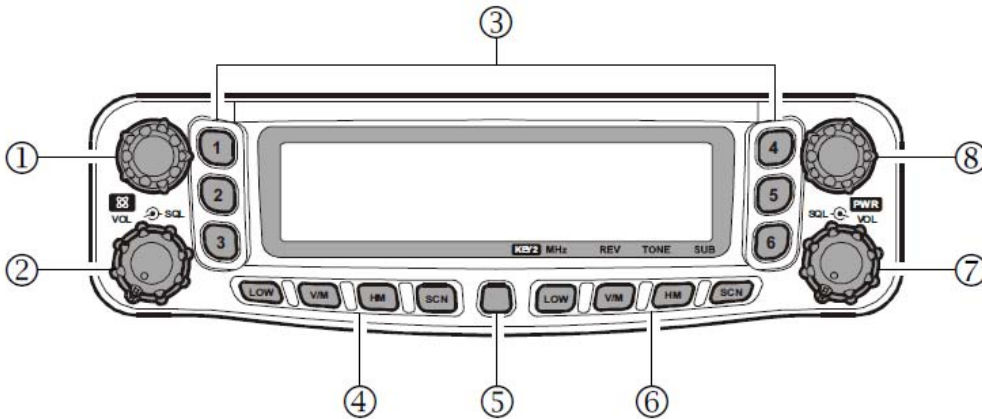
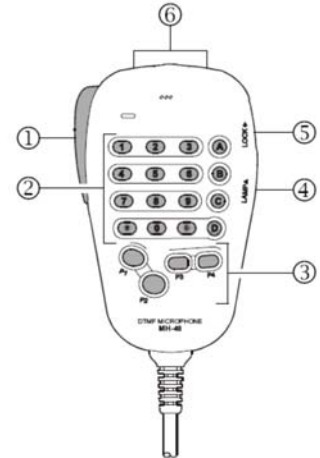


Yaesu FT-8800R Basic Operations

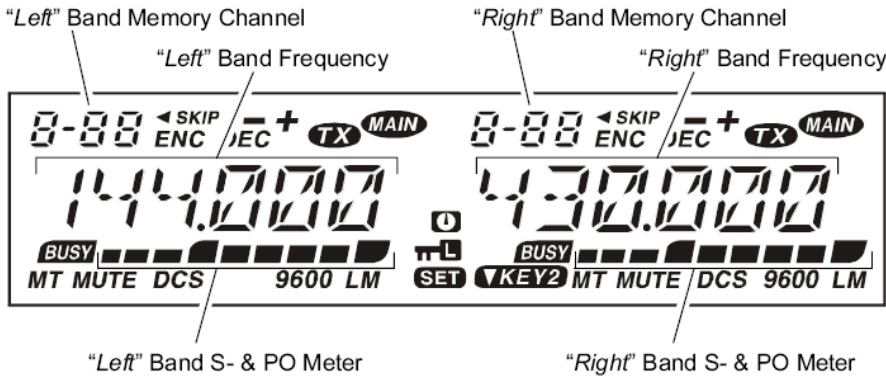
These instructions are not a substitute for reading the manual



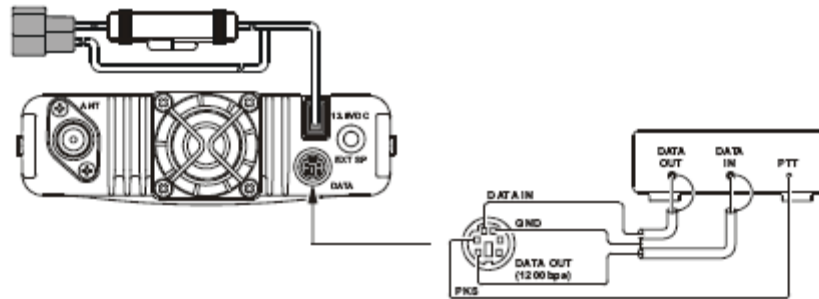
FT-8800R Front Panel: 1) Left Dial Knob, 2) Left VOL/SQL Knob, 3) Hyper Memory Buttons, 4) Left Side Keys 5) Set Key, 6) Right Side Keys, 7) Right VOL/SQL Knob, 8) Right Dial Knob



MH-48 Mic: 1) PTT Switch, 2) Keypad, 3) P buttons, 4) Lamp switch, 5) Lock switch, 6) Up/down button.



FT-8800R LCD Panel: Of note: ENC = Tone Encode (TX T), DEC = Tone Decode (RX T), Main = Main (current TX) band will only appear on left or right, depending on which side is "active," MT = Memory Tune Mode



1200bps Packet Setup

NOTE: The FT-8800 is a dual receive radio with a *left* and *right* side and set of keys and knobs. The active side is identified by a **MAIN** icon in the top "right" corner of the active display. When the instructions refer to **MAIN** key or knob, they refer to the active transceiver side and do not affect the inactive side until the inactive side is made active.

To select the **MAIN** band, either press the P1 key on the mic or the **DIAL** knob on the side you wish to set active.

Preprogrammed Memory Channels and Frequencies FT-8800

Memory Channel	Memory Name/Purpose	Frequency	Tone
1	OVH2M/Operations and Logistics	146.970 -	100 Hz
2	WWI2M/Operations and Logistics	147.240 +	
3	NVFM2M/Fairfax ARES	146.790 -	
4	NVREGN/Northern Virginia Regional Operations and Coordination	146.910 -	
5	SKYWARN/National Weather Service—Sterling	147.300 +	
6	MDREGN/Maryland Regional Operation and Coordination	147.105 +	
7	MTVERN/Mount Vernon (Alexandria)	146.655 -	141.3 Hz
8	ALEX2M/Alexandria ARES	147.315 +	
9	ARL2M/Arlington ARES	145.470 -	
10	FAQ2M/Fauquier ARES	147.470 +	167.9 Hz
11	LOU2M/Loudon ARES	145.310 -	
12	DULLES/Dulles Airport 2m machine, max 15w out	147.330 +	203.5 Hz
21	OVH440/Command and Control/Operations and Logistics	442.200 +	
22	WWI440/Command and Control/Operations and Logistics	444.900 +	
23	FALLSC/Fall Church ARES	442.425 -	91.5 Hz
24	NERA/Main Repeater, linked system	442.725 +	107.2 Hz
25	NERA/DC	449.975 -	107.2 Hz
26	KT4ER/Bull Run Mountain	448.325-	100.0 Hz
27	NERA/Bull Run Mountain	447.775	67.0 Hz
31	VHF1/PWCARES VHF Channel 1/Operations and Logistics	147.525	
32	VHF2/PWCARES VHF Channel 2/Operations and Logistics	146.475	
33	MEDCOM/InterHospital communications/MedComm back-up	146.445	
34	ARC-CHP/Red Cross Chapter-to-Chapter communications	146.535	
35	ARC-FLD/Red Cross Field Operations	146.420	
36	XBAND1/Combine with 147.525—VHF1 (left)	445.950 (right)	100.0 Hz
37	XBAND2/Combine with 146.475—VHF2 (left)	446.050 (right)	100.0 Hz
38	XBAND3/Combine with 146.970—OVH2M (left)	445.975 (right)	100.0 Hz
39	XBAND4/Combine with 147.240—WWI2M (left)	446.025 (right)	100.0 Hz
40	Packet	145.730	
41	APRS	144.390	

Power

Turning the power on and off (Pg. 20)

To turn the radio **on**, press and hold the **right** VOL knob for 2 seconds (Fig. 1). The LCD will show the current power supply voltage for 2 seconds before switching to normal mode.

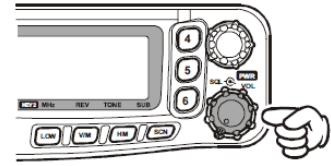


Figure 1

To turn the radio **off**, press and hold the **right** VOL knob for 2 seconds.

Changing the Transmit Power Level (Pg. 23)

Press the **LOW** key on the active (MAIN) band you wish to modify the power on. There are four settings. For 2m/70cm, Low is 5W, Mid2 is 10W Mid1 is 20W. On 2m, High is 50W and on 70cm High is 35W

Band Management *Selecting the Operating Band (Pg. 20)*

Transmission is possible on the side where the **MAIN** icon is lit.

To select the left or right side for transmission:

Mic: Press the **P1** button

Face: Briefly press the **DIAL** knob on either the left or the right side as needed.

Selecting the Frequency Band (Pg. 21)

Press and hold the **DIAL** knob to step through the bands in the following progression: 144 MHz → 250 MHz → 350 MHz → 430 MHz → 850 MHz → 144 MHz ...

Locking the Radio *Locking the Radio (Pg. 24)*

To activate:

1. Press the **SET** key momentarily to enter the set mode
2. Rotate the **MAIN** band **DIAL** knob know to select Menu 21 (LOCK).
3. Press the **MAIN** band **DIAL** knob momentarily, then rotate it to change the setting to ON.
4. Press the **SET** key momentarily to save the setting and exit to normal operations

To deactivate:

1. Press the **SET** key momentarily to enter the set mode
2. Rotate the **MAIN** band **DIAL** knob know to select Menu 21 (LOCK).
3. Press the **MAIN** band **DIAL** knob momentarily, then rotate it to change the setting to OFF.
4. Press the **SET** key momentarily to save the setting and exit to normal operations

MIC Gain Control *The mic input level and receiver bandwidth are coupled in the FT-8800R. Changing the receiver spacing reduces the mic gain. (Pg. 54)*

1. Press the **SET** key momentarily.
2. Rotate the **MAIN** band **DIAL** knob and select Menu 44 (WID.NAR).
3. Press the **MAIN** band **DIAL** knob momentarily and rotate it to display NARROW.
4. Press and hold the **MAIN** band **DIAL** knob for 1/2 second to save the setting and return to normal operations.

Repeater Offsets

Setting Repeater Offsets (Pg. 27)

The FT-8800R comes preset with the following shifts: On 2m, 600 kHz; on 70cm, 5 MHz.

To manually set the positive (+) or negative (-) or disable the offset follow these steps:

1. Press the **SET** key momentarily.
2. Rotate the **MAIN band DIAL** knob to select Menu 33 (RPT.MOD).
3. Press the **MAIN band DIAL** knob momentarily, then rotate the dial to select “-,” “+,” or OFF.
4. Press and hold the **MAIN band DIAL** for 1/2 second to save the settings and return to normal operations.

CTCSS

CTCSS Operation (Pg. 29)

Enabling CTCSS involves two steps. You have to set the Tone Mode (Set menu 41) and Tone Frequency (Set menu 40).

1. Press the **SET** key momentarily.
2. Rotate the **MAIN band DIAL** knob to Menu 41 (TONE M).
3. Press the **MAIN band DIAL** knob momentarily and then rotate it so that **ENC** appears on the display (see the LCD figure on page 1). This activates the CTCSS encoder.
4. Rotating one more step will enable **ENC.DEC**, the Tone Squelch mode (TSQL) if required.
5. Press the **MAIN band DIAL** knob momentarily and rotate it to Menu 40 (TONE F).
6. Press the **MAIN band DIAL** knob momentarily to enter the menu screen and rotate the knob to select the CTCSS tone frequency you need.
7. When it has been selected, press and hold the **MAIN band DIAL** knob for 1/2 second to save the setting and return to normal operation.

Cross Band Repeater Operations

Enabling the cross band function (Pg. 56)

1. Configure the band(s) as needed with power and ENC.DEC as needed.
2. Press the **SET** key momentarily.
3. Rotate the **MAIN band DIAL** knob to select Menu 45 (X-RPT).
4. Press the **MAIN band DIAL** knob momentarily. X-START will appear.
5. Press the **MAIN band DIAL** knob again to activate the cross band repeater mode.
6. To exit, press the **SET** key.

Internet Connection Feature

Turning the Internet Connection Feature (WIRES) off (Pg. 50)

The FT-8800R comes with the Yaesu WIRES system. It is very easy to bump it into the ON position. This is how you turn it OFF.

1. WIRES is enabled when the INT is lit in the LCD panel.
2. To disable it, press the *left* **VOL** knob briefly to turn it off.

RF Squelch

Additional RF Squelch Settings (Pg. 26)

1. Press **SET** key momentarily
2. Rotate the **MAIN band DIAL** knob to select Menu 32 (RF SQL).
3. Press the **MAIN band DIAL** momentarily and rotate to select the signal strength to open the squelch for—options are OFF, S-2, S-5, S-9 or S-FULL. PWCARES default is OFF. Use the SQL knob (with the volume) to set.
4. Press and hold the **MAIN band DIAL** knob for 1/2 second to save the settings and return to normal operations.
5. If you set the values, turn the **SQL** knob fully clockwise (to the right).