WS1EC Yaesu FT-8800 / FT-7800 Channel Frequency List (EMA Trailer)

	MHz	Offset	PL Tone	Channel Name	County	
1	449.225	-	103.5	WS1EC	Cumberland	Windham, ME – **WSSM-ECT Primary UHF Repeater**
2	146.880	-	100.0	KQ1L	Oxford	Buckfield, ME – **Primary SKYWARN Repeater**
3	147.045	+	103.5	GRAY	Cumberland	Gray, ME – **Secondary SKYWARN Repeater**
4	147.090	+	100.0	FALMTH	Cumberland	Falmouth, ME – **WSSM-ECT Primary VHF Repeater**
5	147.345	+	103.5	ALFRED	York	Alfred, ME – **YORK County ARES Primary Repeater**
6	146.580			ECT 1		**SIMPLEX** – WSSM-ECT Primary
7	146.595			SKYWRN		**SIMPLEX – SKYWARN Primary,** WSSM-ECT Secondary
8	147.585			ECT 3		**SIMPLEX** – WSSM-ECT Tertiary
9	146.415			CBL 1		**SIMPLEX** – ARES Cumberland Primary
10	146.430			WAL 1		**SIMPLEX** – ARES Waldo Primary
11	146.445			YRK 2		**SIMPLEX** – ARES York Secondary
12	146.460			AND 1		**SIMPLEX** – ARES Androscoggin Primary
13	146.490			SAG 1		**SIMPLEX** – ARES Sagadohoc Primary
14	146.505			OXF 3		**SIMPLEX** – ARES Oxford Tertiary
15	146.520			2MCALL		**SIMPLEX** – **ARES Maine Statewide / 2m Calling**
16	146.535			CBL 3		**SIMPLEX** – ARES Cumberland Tertiary
17	146.550			OXF 1		**SIMPLEX** – ARES Oxford Primary
18	146.565			SAG 3		**SIMPLEX** – ARES Sagadohoc Tertiary
19	146.580			ECT 1		**SIMPLEX** – WSSM-ECT Primary
20	146.595			ECT 2		**SIMPLEX – SKYWARN Primary,** WSSM-ECT Secondary
21	147.420			SOM 1		**SIMPLEX** – ARES Somerset Primary
22	147.435			OXF 2		**SIMPLEX** – ARES Oxford Secondary
23	147.495			MWV 1		**SIMPLEX** – ARES Mt. Washington Valley Primary
24	147.510			NHARES		**SIMPLEX – ARES NH Statewide**
25	147.525			CBL 2		**SIMPLEX** – ARES Cumberland Secondary
26	147.540			KNX 1		**SIMPLEX** – ARES Knox Primary
27	147.555			SAG 1		**SIMPLEX** – ARES Sagadohoc Secondary
28	147.570		100.0	YRK 1		**SIMPLEX** – ARES York Primary – **NG1P Echolink**
29	147.585			ECT 3		**SIMPLEX –** WSSM-ECT Tertiary
30	145.130	-	107.2	GLOUCS	Essex	Gloucester, MA
31	145.150	-	100.0	BOLTON	Chittenden	Bolton, VT
32	145.150	-	127.3	KENSGTN	Rockingham	Kensington, NH
33	145.210	-	156.7	YORK	York	Cornish, ME

34	145.230	-	88.5 TSQ	BOSTON	Suffolk	Boston, MA
35	145.230	-	88.5	BOSTON	Suffolk	Boston, MA
36	145.250	-	114.8	LKGEOR	Warren	Lake George, NY
37	145.250	-	100.0	WASHV	Orange	Washingtonville, NY
38	145.290	-	100.0	WALES	Androscoggin	Wales, ME – **W1PIG Link**
39	145.370	-	136.5	GARDNR	Worcester	Gardner, MA (Rt. 2)
40	145.390	-	100.0	W1PIG	Franklin	Wilton, ME – **W1PIG Link**
41	145.410	-	103.5	ALFRED	York	Alfred, ME
42	145.450	-	100.0	CONWAY	Carroll	North Conway, NH – **Mt. Washington Valley ARES**
43	145.470	-	100.0	WARREN	Addison	Warren, VT
44	145.490	-	100	NADAMS	Berkshire	North Adams, MA
45	145.490	-	91.5	WASH	Knox	Washington, ME
46	146.610	-	88.5	AUBURN	Androscoggin	Auburn, ME – **Androscoggin County ARES**
47	146.640	-	103.5	OXFORD	Oxford	Woodstock, ME
48	146.655	-	100.0	MTWASH	Coos	Mt. Washington, NH – **Mt. Washington Valley ARES**
49	146.670	-	100.0	AUGSTA	Kennebec	Augusta, ME – **KQ1L Link System**
50	146.685	-	100.0	BEDFRD	Hillsborough	Bedford, NH
51	146.700	-	88.5	NORTHW	Rockingham	Northwood, NH
52	146.730	-	100.0	FALMTH	Cumberland	Falmouth, ME
53	146.745	-	100.0	JAY PK	Orleans	Jay Peak, VT – **Kingdom Weather Net**
54	146.760	-	100.0	GRAY	Cumberland	Gray, ME
55	146.760	-	110.9	ASCTNY	Windsor	Mt. Ascutney, VT
56	146.790	-	88.5	PITTSF	Merrimack	Pittsfield, NH – **N1IMO Net**
57	146.805	-	103.5	SANFRD	York	Sanford, ME
58	146.820	-	100.0	CAMDEN	Knox	Camden, ME – **KQ1L Link System**
59	146.835	-	103.5	NAPLES	Cumberland	Naples, ME
60	146.850	-	85.4	DERRY	Rockingham	Derry, NH
61	146.850	-	100.0	DIXMNT	Penobscot	Dixmont, ME – **KQ1L Link System**
62	146.865	-	88.5	ALTON	Belknap	Alton, NH
63	146.880	-	100.0	KQ1L	Oxford	Buckfield, ME – **KQ1L Link System**
64	146.880	-	110.9	KILGTN	Rutland	Killington, VT
65	146.895	-	103.5	LEEDS	Androscoggin	Leeds, ME
66	146.910	-	162.2	GREYLK	Berkshire	Mt. Greylock, MA - NoBARC
67	146.910	-	151.4	ELSWTH	Hancock	Ellsworth, ME
68	146.910	-	100.0	RUMFD	Oxford	Rumford, ME
69	146.925	-	103.5	ARUNDL	York	Arundel, ME
70	146.940	-		YARMTH	Cumberland	Yarmouth, ME

71	146.940	-	127.3	MTTOM	Hampden	Holyoke, MA
72	146.955	-	74.4	WESTFRD	Middlesex	Westford, MA
73	146.970	-	100.0	SUGRLF	Franklin	Sugarloaf Mt., ME
74	146.970	-	114.8	PAXTON	Worcester	Paxton, MA
75	146.985	-	100.0	WISCAS	Lincoln	Wiscasset, ME
76	146.985	-	123.0	GILFOR	Belknap	Gilford, NH – **Central NH ARES Primary**
77	147.000	-	100.0	DEERFL	Rockingham	Deerfield, NH
78	147.015	+	103.5	HIRAM	Oxford	Hiram, ME
79	147.030	+	88.5	OSSIPE	Carroll	Ossipee, NH
80	147.045	+	103.5	GRAY	Cumberland	Gray, ME – WSSM ECT Secondary
81	147.060	+	91.5	WASHTN	Knox	Washington, ME
82	147.090	+	100.0	FALMTH	Cumberland	Falmouth, ME – **WSSM-ECT Primary**
83	147.135	+	103.5	BRUNSW	Cumberland	Brunswick, ME
84	147.165	+		SALEM	Rockingham	Salem, NH
85	147.180	+	123.0	FARMNG	Franklin	Farmington, ME
86	147.180	+	131.8	SANFRD	York	Sanford, ME – **KQ1L Link System**
87	147.210	+	100.0	PHIPPS	Cumberland	Brunswick, ME
88	147.210	+	107.2	DERRY	Rockingham	Derry, NH
89	147.225	+	100.0	PEMBRK	Merrimack	Pembroke, NH
90	147.225	+	123.0	LVFALL	Androscoggin	Livermore Falls, ME
91	147.240	+	110.9	HOPE	Knox	Hope, ME
92	147.255	+	114.8	GARDNR	Kennebec	Gardiner, ME
93	147.255	+	123.0	MILFRD	Hillsborough	Milford, NH
94	147.270	+	136.5	KNOX	Waldo	Knox, ME
95	147.270	+	103.5	WESTBR	Cumberland	Westbrook, ME
96	147.300	+	88.5	FRANKL	Merrimack	Franklin, NH
97	147.315	+	103.5	POLAND	Androscoggin	Poland Spring, ME
98	147.315	+	110.9	WSTRLY	Washington	Westerly, RI
99	147.330	+	100.0	CUMBLD	Cumberland	Brunswick, ME
100	147.345	+	123.0	ALFRED	York	Alfred, ME **– York County ARES Primary**
101	147.360	+	100.0	PORTLD	Cumberland	Portland, ME
102	147.390	+	123.0	MOULTN	Carroll	Moultonborough, NH
103	446.000			CALL		**SIMPLEX – ARES Maine Statewide**
104	446.075			NHARES		**SIMPLEX – ARES NH Statewide**
105	446.500			ECT XB		**SIMPLEX – WSSM-ECT Cross-band**
106	449.225	-	103.5	WS1EC	Cumberland	Windham, ME – **WSSM-ECT Primary UHF Repeater**
107	441.700	+	100.0	WQ2H	Cheshire	Dublin, NH

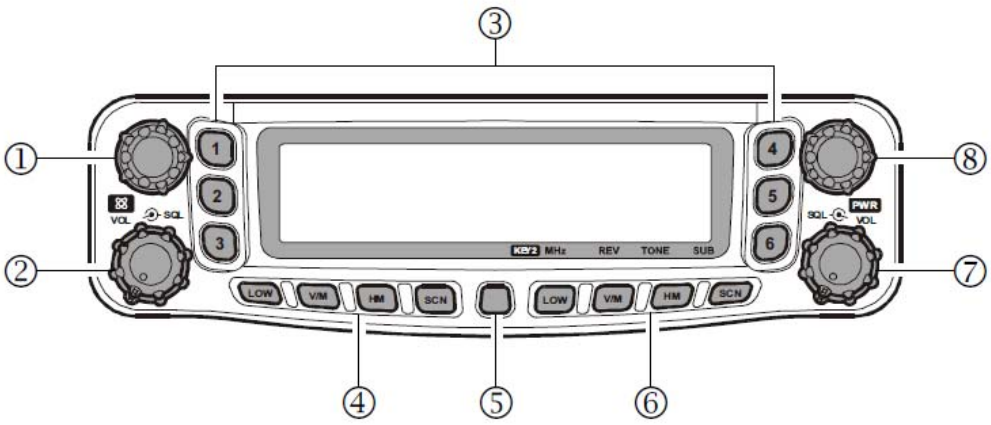
108	442.100	+	71.9	OSSIPE	Carroll	Ossipee, NH
109	442.200	+	82.5	HIRAM	Oxford	Hiram, ME
110	442.350	+	88.5	SUNAPE	Sullivan	Sunapee, NH
111	442.400	+	123.0	FARMNG	Franklin	Farmington, ME
112	443.200	+	88.5	KENTS	Kennebec	Kents Hill, ME
113	443.500	+	103.5	KNOX	Waldo	Knox, ME
114	443.650	+	131.8	PEMBRK	Merrimack	Pembroke, NH
115	444.050	+	88.5	ALTON	Belknap	Alton, NH
116	444.100	+	82.5	SCARBO	Cumberland	Scarborough, ME - **OFF**
117	444.400	+	88.5	TOPSHM	Cumberland	Brunswick, ME
118	444.600	+	82.5	WESTBR	Cumberland	Westbrook, ME
119	444.900	+	91.5	WASHTN	Knox	Washington, ME
120	444.950	+	146.2	WINDHAM	Cumberland	Windham, ME - ***Linked to 29.680***
121	446.475	-	88.5	BARNST	Belknap	Center Barnstead, NH
122	447.775	-	123.0	W1JY	Belknap	Gilford, NH – **W1JY Link System**
123	447.825	-	88.5	DERRY	Rockingham	Derry, NH
124	448.225	-	88.5	MTWASH	Coos	Mt. Washington, NH
125	448.575	-	71.9	HIRAM	Oxford	Hiram, ME
126	448.675	-		BOW	Merrimack	Bow, NH
127	448.725	-	103.5	ALFRED	York	Alfred, ME
128	448.775	-	100.0	CONWAY	Carroll	North Conway, NH – W1MWV
129	448.975	-	141.3	MTWASH	Coos	Mt. Washington, NH
130	449.275	-	88.5	BELGRD	Kennebec	Belgrade Lakes, ME
131	449.425	-	162.2	MTGREY	Berkshire	Mt. Greylock, MA - NoBARC
132	449.450	-	123.0	DEERFL	Rockingham	Deerfield, NH
133	449.825	-	103.5	BIDDFRD	York	Biddeford, ME
134	151.820			MURS 1		MURS 1
135	151.880			MURS 2		MURS 2
136	151.940			MURS 3		MURS 3
137	154.570			BLUE D		Blue Dot
138	154.600			GREEN		Green Dot
139	156.450			MAR 9		Marine Channel 9
140	156.800			MAR 16		Marine Channel 16
141	144.390			APRS		APRS
142	144.390		100.0	APRS		APRS Voice Alert
143	445.925			APRS		APRS UHF
144	145.825			APRS		APRS ISS

145	462.5625			GMRS1		
146	462.5875			GMRS2		
147	462.6125			GMRS3		
148	462.6375			GMRS4		
149	462.6625			GMRS5		
150	462.6875			GMRS6		
151	462.7125			GMRS7		
152	467.5625			GMRS8		
153	467.5875			GMRS9		
154	467.6125			GMRS10		
155	467.6375			GMRS11		
156	467.6625			GMRS12		
157	467.6875			GMRS13		
158	467.7125			GMRS14		
159	462.5500			GMRS15		
160	462.5750			GMRS16		
161	462.6000			GMRS17		
162	462.6250			GMRS18		
163	462.6500			GMRS19		
164	462.6750			GMRS20		
165	462.700			GMRS21		
166	462.7250			GMRS22		
167	467.5500	-		GMRSR1		
168	467.5750	-		GMRSR2		
169	467.6000	-		GMRSR3		
170	467.6250	-		GMRSR4		
171	462.6500	-		GMRSR5		
172	467.6750	-		GMRSR6		
173	467.7000	-		GMRSR7		
174	467.7250	-		GMRSR8		
175	155.760		192.8	EM CALL		
176	155.100		173.8	EM T1		
177	155.640		173.8	EM T2		
178	155.685		173.8	EM T3		
179	155.955		173.8	EM T4		
180	155.370		173.8	EM T5		
181	151.1600	+	162.2	Gray		Repeater TX: 155.970

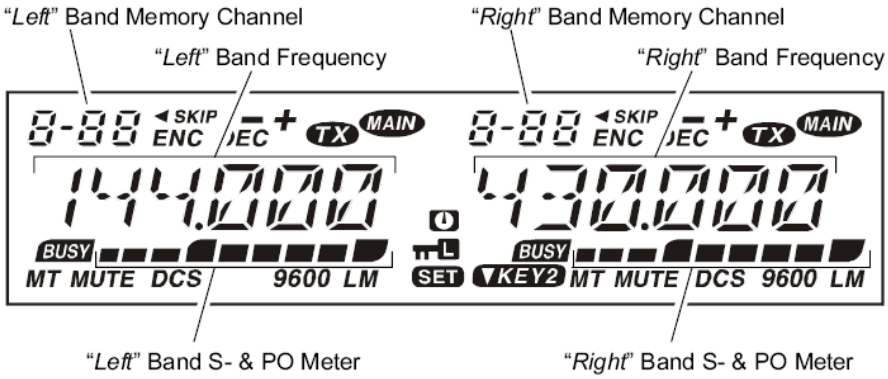
182	159.780		156.7	YCEMA CALL		
183	465.450	-	110.9	YCEMA		Repeater TX: 460.450
184	145.010			PACKET		
185	145.070			PACKET		

Yaesu FT-8800R Basic Operations

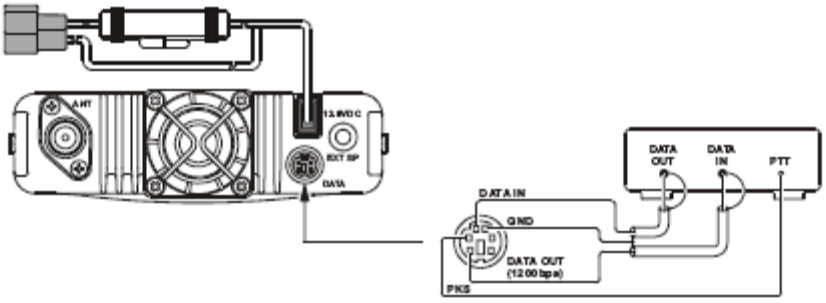
These instructions are not a substitute for reading the manual



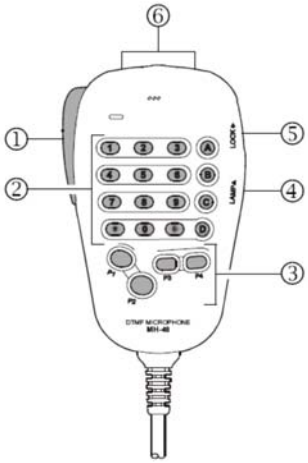
FT-8800R Front Panel: 1) *Left* Dial Knob, 2) *Left* VOL/SQL Knob, 3) Hyper Memory Buttons, 4) *Left* Side Keys 5) Set Key, 6) *Right* Side Keys, 7) *Right* VOL/SQL Knob, 8) *Right* Dial Knob



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



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

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 ac-tive 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.

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.

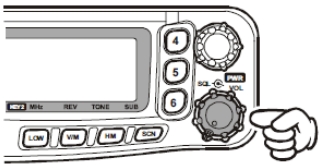


Figure 1

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

Selecting the RF Power (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 NAR-ROW.
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. WSSM-ECT 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).

Quick Reference Card: Yaesu FT-7800R

Yaesu FT–7800R: Memory Storage
Press **V/M** for **VFO mode**, tune the receive frequency.
Press and hold **SET** for ½ second to enter **Set mode**.
Set tone mode via Menu 42 **SQL.TYP**. Set tone frequency via Menu 44 **TN FRQ**.
Press and hold **SET** for ½ second to exit **Set mode**.
Press and hold **V/M** for ½ second, turn to desired memory channel, press **V/M** again to store frequency.

Yaesu FT–7800R: Miscellaneous Operations
TX Power: Press **LOW** to change level.
Rev TX/RX: Press and hold **HM/RV** (if Menu 16 is set to REV)**.**
PRI channel: Store the frequency for the Priority Channel into Memory Channel 1**.**
Dual Watch: Press and hold **MHz** for ½ second.
Lock Keys/Buttons: Set using Menu 21 **Lock**.

Instructions: Print on a heavy card-stock paper. (Paper designed for printing photos will work well.) Cut out each (side-by-side) pair, then fold over so that Memory Storage appears on one side and Miscellaneous Operations appears on the other. Laminate and trim to the size of a credit card. It is now easily carried in your wallet or even in your ID badge holder.

Quick Reference Card: Yaesu FT-8800R

Yaesu FT–8800R: Memory Storage
Press **V/M** for **VFO mode**, tune the receive frequency.
Press **SET** to enter **Set mode**.
Set tone mode via Menu 41 **TONE M**. Set tone frequency via Menu 40 **TONE F**.
Press and hold **DIAL** for ½ second to exit **Set mode**.
Press and hold **SET** for ½ second, turn to desired memory channel, press **SET** again to store frequency.

Yaesu FT–8800R: Miscellaneous Operations
TX Power: Press **LOW** to change level.
Rev TX/RX: Press right **REV(V/M)** (if Menu 20 is set to KEY2)**.**
PRI channel: Store the frequency for the Priority Channel into Memory Channel 1**.**
Dual Watch: Press and hold **HM** for ½ second.
Lock Keys/Buttons: Set using Menu 21 **Lock**.

Instructions: Print on a heavy card-stock paper. (Paper designed for printing photos will work well.) Cut out each (side-by-side) pair, then fold over so that Memory Storage appears on one side and Miscellaneous Operations appears on the other. Laminate and trim to the size of a credit card. It is now easily carried in your wallet or even in your ID badge holder.