

 <p>YAESU VX-7R</p> <p>Alternate Functions</p> <ul style="list-style-type: none"> These are secondary functions of the buttons. Press MONI then key, MONI = Basic Setup: 2 SQL NFM #1 = SCAN #2 = Activates Dual Watch #3 = Recall Weather memories #4 = Activate ARTS function #5 = Activate Smart Search #6 = Activate Spectrum Analyzer #7 = Activate Channel Counter #8 = Set Menu Squelch Type:1 #9 = Enter Special Memories #0 = Enter Set Menus BAND = band down MAIN & SUB=change display size V/M = no action <p>NOTE: MONI/MON buttons can be swapped. (See misc menu item #4)</p>	<p>Tone Search Scanning</p> <ul style="list-style-type: none"> Set up for CTCSS or DCS. TSQ or DCS must be displayed Press MONI, SET, select TONE SET :2. Press BAND, press MONI, and SCAN (1). When tone flashes press BAND to lock in tone, then PTT exits. Store if needed <p>TX PWR Level</p> <ul style="list-style-type: none"> HI: 5W Hi (1W AM 6M) L 2.5W L3 L 1W L2 L .05W L1 (.3w on 220) <ul style="list-style-type: none"> Press MONI, TX PO for power level L1, L2 or L3. No icon = Hi <p>Supply Voltage & Current</p> <p>Nominal battery: 7.4 vdc Ext. operating: 10 – 16 vdc Standby: (mono) 67mA (saver off) Standby: (mono) 28mA (saver on)</p>	<p>Memory offset Tuning</p> <ul style="list-style-type: none"> In memory mode, press V/M. Use DIAL to tune up/down. <p>Memory Scanning</p> <ul style="list-style-type: none"> Press MONI, SCAN (1) in memory mode to start scanning. <p>VFO Scanning</p> <ul style="list-style-type: none"> Press MONI, SCAN (1) in VFO mode to start scanning. <p>Microprocessor Reset (All)</p> <ul style="list-style-type: none"> Press and hold ARTS (4), BAND, and V/M while turning power on, Press MONI to reset all. <p>Set Mode Reset</p> <ul style="list-style-type: none"> Press and hold BAND and V/M while turning power on. Then press MONI to reinitialize all set menus. <p>Set Priority channel</p> <ul style="list-style-type: none"> In memory mode, press MONI 1s, select priority ch, press BAND. 	<p>Smart Search</p> <ul style="list-style-type: none"> Searches above/below current freq, stores active freqs in 31 memories. One sweep or Continuous fills all 31 memories. MONI, SET, select search mode scan menu #5, PTT. Select VFO in desired mono band. Press MONI, S.SCH (5). Press V/M to begin scan. To recall rotate DIAL. Exit pressing MONI, S.SCH (5). <p>Spectrum Analyzer</p> <ul style="list-style-type: none"> As above except use scan menu item #6 to set 1 scan or continuous, MONI, SP-ANA (6) to start/end. MAIN/SUB changes scan width. <p>Channel Counter</p> <p>Inserts 50 dB pad in VFO mode, Set scan for +/- 5, 10, 50, 100 MHz for strongest sig. MONI, CH.CNT</p>	<p>Cloning</p> <ul style="list-style-type: none"> Press MONI while turning on, display reads “Clone”, Press V/M on destination radio, “clone wait”, Press BAND on source radio. <p>Program memory Scan</p> <ul style="list-style-type: none"> Store lower freq in L(1-20), store upper freq in matching U memory. Switch to Mem mode, select L(x) memory. Press V/M for 1s to scan. <p>Memory scan skip</p> <ul style="list-style-type: none"> Select Memory mode, select ch to skip. Press MONI, then SET, select Basic #13, press MAIN/SUB to select “SKIP”, PTT stores. <p>Preferential Scan list</p> <ul style="list-style-type: none"> Same as above except selects “PREFERENTIAL”. Musical note will be displayed. Start by MONI, SCAN (1) from this type of chan. 																																																																																																																																																		
<p>Operating Bands</p> <table border="1"> <thead> <tr> <th>Band</th> <th>Freq Range (MHz)</th> <th>kHz step</th> <th>Mode</th> </tr> </thead> <tbody> <tr> <td>AM Bcst</td> <td>0.5 – 1.8</td> <td>9-10</td> <td>AM</td> </tr> <tr> <td>SW</td> <td>1.8 - 30</td> <td>5-100</td> <td>AM</td> </tr> <tr> <td>6-M</td> <td>30 - 59</td> <td>5-100</td> <td>FM/AM</td> </tr> <tr> <td>FM Bcst</td> <td>59 -108</td> <td>5-100</td> <td>FM-W</td> </tr> <tr> <td>Aircraft</td> <td>108-137</td> <td>5-100</td> <td>AM</td> </tr> <tr> <td>2-m</td> <td>137-174</td> <td>5-100</td> <td>FM-N</td> </tr> <tr> <td>VHF TV</td> <td>174-222</td> <td>5-100</td> <td>FM-W</td> </tr> <tr> <td>220 ham</td> <td>222-420</td> <td>5-100</td> <td>FM-N</td> </tr> <tr> <td>Action1</td> <td>225-420</td> <td>5-100</td> <td>FM-N</td> </tr> <tr> <td>70-cm</td> <td>420-470</td> <td>5-100</td> <td>FM-N</td> </tr> <tr> <td>UHF-TV</td> <td>470-800</td> <td>10-100</td> <td>FM-W</td> </tr> <tr> <td>Action2</td> <td>800-999</td> <td>10-100</td> <td>FM-N</td> </tr> </tbody> </table> <p>RPTR Uplink Freq Check</p> <p>Press HM/RV Display shifts to reverse freq. Press MONI to listen.</p> <p>Masking Memories</p> <ul style="list-style-type: none"> In memory mode press MONI for 1s, turn DIAL to memory # to mask. Press V/M. Memory is masked. Repeat to unmask. 	Band	Freq Range (MHz)	kHz step	Mode	AM Bcst	0.5 – 1.8	9-10	AM	SW	1.8 - 30	5-100	AM	6-M	30 - 59	5-100	FM/AM	FM Bcst	59 -108	5-100	FM-W	Aircraft	108-137	5-100	AM	2-m	137-174	5-100	FM-N	VHF TV	174-222	5-100	FM-W	220 ham	222-420	5-100	FM-N	Action1	225-420	5-100	FM-N	70-cm	420-470	5-100	FM-N	UHF-TV	470-800	10-100	FM-W	Action2	800-999	10-100	FM-N	<p>Memory Labels</p> <ul style="list-style-type: none"> Press MONI, SET rotate DIAL to Basic menu #11, press BAND, press MAIN or SUB or Keypad to select first character, Rotate DIAL to select second position, repeat for 8 characters, (DW (2) key selects between 7 different character sets.) Pressing PTT exits and stores. Display must be set to small size and radio in mono band mode. <p>DTMF Storage</p> <ul style="list-style-type: none"> 9 memories, up to 16 digits each Press MONI, SET, TSQ/DTMF menu #8, Press BAND to enter set. Press MAIN/SUB to select DTMF memory number Rotate DIAL forward/back to select position, press keys to enter up to 16 #s. Press PTT to store/end 	<p>Storing memory channels</p> <ul style="list-style-type: none"> In VFO mode enter all options. Press MONI 1 sec, select ch # with DIAL, press MONI again to store in memory <p>Storing “split” memories</p> <ul style="list-style-type: none"> Store RX freq as above, select TX freq. Press MONI for 1sec, within 5 sec, select same channel number as above, press and hold PTT, then press MONI to store. <p>Move memory to VFO</p> <ul style="list-style-type: none"> On Memory ch, press MONI 1sec, then TX/PO (Internet button) <p>Send stored DTMF Num.</p> <ul style="list-style-type: none"> Press MONI, SET, select TSQ menu #7, set to ON then press PTT to store. While pressing PTT, press numbers keys 1 – 9 to transmit stored string. 	<p>ARTS operation</p> <ul style="list-style-type: none"> Radios must be in DCS mode Press MONI, ARTS for 1sec <p>Memory Group Assignment</p> <ul style="list-style-type: none"> Select ch to assign, press MONI 1s then press # 1 to 9 to assign. <p>Memory Group Recall</p> <ul style="list-style-type: none"> Press MONI, SPCL(9) to recall special memories, select #2 MR Group with Dial, Press PTT to activate, rotate DIAL to select MG1 to MG9. Press V/M (write) to lock in MG. Set spec mem to off to exit. <p>Select Priority Channel</p> <ul style="list-style-type: none"> Press MONI, 1sec then select channel to be priority, press BAND, “P” appears next to MR. <p>Dual Watch Operation</p> <ul style="list-style-type: none"> Select mem/vfo press MONI, DW to enter DW mode, V/M exits. 	<p>Set Mode Menu Summary</p> <p>Press MONI, SET to enter. DIAL to select. PTT exits all menus</p> <table border="1"> <thead> <tr> <th>Basic Setup</th> <th>Scan modes</th> </tr> </thead> <tbody> <tr><td>1 SQU N-FM</td><td>1 CH COUNTER</td></tr> <tr><td>2 SQU W-FM</td><td>2 EDGE BEEP</td></tr> <tr><td>3 VFO STEP</td><td>3 RESUME</td></tr> <tr><td>4 RX MODE</td><td>4 SCAN LAMP</td></tr> <tr><td>5 ARS</td><td>5 SMART SEARCH</td></tr> <tr><td>6 SHIFT</td><td>6 SPEC ANALYZER 1</td></tr> <tr><td>7 RPT SHIFT</td><td>7 SPEC ANAL 2 AUDIO</td></tr> <tr><td>8 MUTE SET</td><td>Measurement</td></tr> <tr><td>9 KEY BEEP</td><td>1 SENSOR DISPLAY</td></tr> <tr><td>10 LOCK MODE</td><td>2 WAVE MONITOR</td></tr> <tr><td>11 NAME SET</td><td>3 TEMP UNIT</td></tr> <tr><td>12 MEM WRITE MODE</td><td>4 BARO UNIT</td></tr> <tr><td>13 MEM SCAN MODE</td><td>5 ALTITUDE UNIT</td></tr> <tr><td>14 HYPER WRITE</td><td>6 ALTITUDE OFFSET</td></tr> <tr><td>Display</td><td>ARTS</td></tr> <tr><td>1 BUSY LED</td><td>1 ARTS BEEP</td></tr> <tr><td>2 CONTRAST</td><td>2 ARTS INTERVAL</td></tr> <tr><td>3 DIMMER</td><td>3 CW ID PGM AND SET</td></tr> <tr><td>4 DISPLAY MODE</td><td>5 LAMP MODE</td></tr> <tr><td>6 LED COLOR 1</td><td>Save mode</td></tr> <tr><td>7 LED COLOR 2</td><td>1 APO</td></tr> <tr><td>8 METER SYMBOL</td><td>2 RX SAVE</td></tr> <tr><td>TSQ/DCS/DTMF</td><td>3 TX SAVE</td></tr> <tr><td>1 SQL TYPE</td><td>4 TOT</td></tr> <tr><td>2 TONE SET</td><td>5 ON TIMER</td></tr> <tr><td>3 DCS SET</td><td>MISC</td></tr> <tr><td>4 DCS COMPLIMENT</td><td>1 BCLO</td></tr> <tr><td>5 BELL</td><td>2 HOME/REV</td></tr> <tr><td>i.6 SPLIT TONE</td><td>3 MON/T-CALL</td></tr> <tr><td>ii.7 DTMF DIALER</td><td>4 MON-F MODE</td></tr> <tr><td>iii.8 DTMF SET</td><td>5 EMERG SET</td></tr> <tr><td></td><td>6 HALF DEV</td></tr> <tr><td></td><td>7 VOX SENS</td></tr> <tr><td></td><td>8 VOX DELAY</td></tr> <tr><td></td><td>9 BAND LINK</td></tr> <tr><td></td><td>10 VFO MODE</td></tr> <tr><td></td><td>11 FONT ED</td></tr> <tr><td></td><td>12 ICON SE</td></tr> <tr><td></td><td>13 ICON EDI</td></tr> <tr><td></td><td>14 ICON SEL</td></tr> <tr><td></td><td>15 CLK SHF</td></tr> <tr><td></td><td>16 TIME SET</td></tr> <tr><td></td><td>17 LANGUA</td></tr> <tr><td></td><td>18 ATTEN</td></tr> <tr><td></td><td>19 MIC MON</td></tr> <tr><td></td><td>20 WX ALER</td></tr> </tbody> </table>	Basic Setup	Scan modes	1 SQU N-FM	1 CH COUNTER	2 SQU W-FM	2 EDGE BEEP	3 VFO STEP	3 RESUME	4 RX MODE	4 SCAN LAMP	5 ARS	5 SMART SEARCH	6 SHIFT	6 SPEC ANALYZER 1	7 RPT SHIFT	7 SPEC ANAL 2 AUDIO	8 MUTE SET	Measurement	9 KEY BEEP	1 SENSOR DISPLAY	10 LOCK MODE	2 WAVE MONITOR	11 NAME SET	3 TEMP UNIT	12 MEM WRITE MODE	4 BARO UNIT	13 MEM SCAN MODE	5 ALTITUDE UNIT	14 HYPER WRITE	6 ALTITUDE OFFSET	Display	ARTS	1 BUSY LED	1 ARTS BEEP	2 CONTRAST	2 ARTS INTERVAL	3 DIMMER	3 CW ID PGM AND SET	4 DISPLAY MODE	5 LAMP MODE	6 LED COLOR 1	Save mode	7 LED COLOR 2	1 APO	8 METER SYMBOL	2 RX SAVE	TSQ/DCS/DTMF	3 TX SAVE	1 SQL TYPE	4 TOT	2 TONE SET	5 ON TIMER	3 DCS SET	MISC	4 DCS COMPLIMENT	1 BCLO	5 BELL	2 HOME/REV	i.6 SPLIT TONE	3 MON/T-CALL	ii.7 DTMF DIALER	4 MON-F MODE	iii.8 DTMF SET	5 EMERG SET		6 HALF DEV		7 VOX SENS		8 VOX DELAY		9 BAND LINK		10 VFO MODE		11 FONT ED		12 ICON SE		13 ICON EDI		14 ICON SEL		15 CLK SHF		16 TIME SET		17 LANGUA		18 ATTEN		19 MIC MON		20 WX ALER
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