

YAESU VX-6

145/433MHz FM TRANSCEIVER. 500kHz-999MHz AM/FM/WFM RECEIVE 900 MEMORIES - 50 SEARCH BANDS

BASIC OPERATION	(Press PTT to exit setting menus, and to halt scan, search etc. See page 2 to enter Set mode)
ON/OFF	Press POWER for 1 second
VOLUME	Rotate VOL to adjust volume
SQUELCH	Press FW then MONI . Rotate DIAL to adjust level (59 SQL)
BAND	Press BAND repeatedly to select desired band (Press FW , then BAND to change direction)
MANUAL TUNING	Rotate DIAL to adjust frequency
COARSE TUNING	Press FW then rotate DIAL to tune in 1MHz steps. Press FW again for normal steps
STEP SIZE	Press FW then 1 Rotate DIAL to adjust step size
RECEIVE MODE	Press MODE repeatedly to select <i>FM AM WFM</i> or <i>AUTO</i>
TRANSMIT	Press and hold PTT to transmit
POWER SETTING	Press FW then □ to select high or low power
(UN)LOCK	Press □ for 2 second
VFO/MEM MODE	Press V/M to select VFO or Memory mode
REPEATER OPERATION	With Automatic Repeater Search enabled (Set Mode Item 4), press PTT to transmit on repeater input.
tone BURST	Press and release the T.CALL/MONI button (button must be configured for Toneburst – Set mode item 36).
CTCSS RX/TX	Press FW then Mode rotate Dial to select Tone or T SQL. Press FW then 2 to adjust CTCSS frequency. <u>Press 2</u>
CTCSS SEARCH	Set vx6 up for either CTCSS or DCS decoder, Press FW then 2, then Band for 1 sec to start search. Band
REVERSE REPEATER	Press HM/RV select and again to revert (precede with FW if key is configured for <i>HOME</i> – Set mode 28).
SEARCHING	In VFO mode, press and hold BAND , rotate DIAL to select span. Release BAND . Rotate DIAL to reverse direction.
MEMORY OPERATION	
MEM WRITE	In VFO mode, set frequency, mode, (+ tuning step, duplex and tone squelch settings if required). Press FW for 1 second. Press FW to store or rotate DIAL to select preferred channel and press FW to store. Enter data, as above, into L and U (01-50) channels.
PMS SCAN BAND DEFINE	In Memory mode, rotate DIAL to select desired memory channel.
MEMORY RECALL	Recall memory as above then press FW then V/M . Rotate DIAL to tune. Press V/M to revert.
MEMORY OFFSET	In Memory mode, recall the channel to be labelled. In Set mode, item 40, press 0 (set) and rotate DIAL to select 1 st character. Press MODE to move to the next character. When finished, press PTT .
MEMORY LABELLING	In Set mode, item 39, select <i>ALPHA</i> to display label.
MEMORY & PROG SCAN	In Memory mode, press and hold BAND . Rotate DIAL to select <i>ALL</i> , <i>BAND</i> or <i>PMS band</i> . Release BAND .
MEMORY BANK SET	In Memory mode, recall the channel to be assigned to a memory bank. Press and hold FW for 1 second, then rotate DIAL to desired bank number. (bx) Press FW .
MEMORY BANK RECALL	In memory mode, press BAND . Press FW , then BAND , then rotate DIAL to desired bank. Press BAND and rotate DIAL through memory bank channels.
MEMORY BANK SCAN	Select desired memory bank, as above. Press and hold BAND and rotate DIAL to select <i>ALL</i> . Release BAND to initiate scan.
OTHER FUNCTIONS	
HOME CH STORE	In VFO mode, set frequency, mode, (+ tuning step, duplex and tone squelch if required). Press FW for 1 second. Press HM/RV . To recall home channels press HM/RV (precede with FW if key is configured for <i>REV</i> – Set mode 22).
DUAL WATCH	In Memory mode, press FW for 1 second. Rotate DIAL to select required channel and press BAND . Press V/M for 1 second to activate and deactivate Dual Watch. Press V/M for 1 second to activate and deactivate Dual Watch.
SMART SEARCH	In Set mode, item 54, select <i>SINGLE</i> or <i>CONTinuous</i> sweep. In VFO mode, press and hold MODE and rotate DIAL to display <i>S SRCH</i> . Release MD . Press BAND to initiate search. Rotate DIAL to recall stored channels.
CHANNEL COUNTER	In Set mode, item 12, select channel counter bandwidth. In VFO mode, set the VX-6 to the predicted frequency range of the target transmitter. Press and hold MODE and rotate DIAL to display <i>CH CNT</i> . Release MODE , to initiate count. Press MODE to exit counter mode.
M Processor Reset	With receiver switched off press MODE , O(SET) and V/M . Press POWER . Press FW .
SET Mode Reset	With receiver switched off press MODE and V/M . Press POWER . Press FW

BAND	MHz	BAND	MHz	BAND	MHz	BAND	MHz
1	0.504-1.800	4	76 - 90	7	137 - 174	A	420 - 470
2	1.800 - 30.000	5	90 - 108	8	174 - 220	b	470 - 770
3	30 - 76	6	108 - 137	9	222 - 420	C	770- 998.900

SET MODE

Press **FW** then **O(SET)** to enter SET mode
Rotate **DIAL** to select desired parameter
Press **O(SET)** then rotate **DIAL** to alter parameter
Press **O(SET)** to return to parameter list or press **PTT** to save and exit

(default shown in bold)

1	APO	Auto power off - OFF , 30MIN, 1 H, 3 H, 5 H, 8 H
2	AR BEP	ARTS beep mode – IN RING , ALWAYS, OFF
3	AR INT	ARTS polling interval – 25SEC , 15SEC
4	ARS	Automatic Repeater Shift - ON , OFF
5	ATT	RF attenuator – ON, OFF
6	BCLO	Busy Channel Lock Out - ON, OFF
7	BEEP	Keypad beep - ON , OFF
8	BELL	Number of rings in CTCSS/DCS modes - OFF , 1, 3, 5, 8, CONT
11	BSYLED	Busy LED during RX - ON , OFF
12	CH CNT	Channel counter search width – +/- 5 , 10, 50, 100(MHz)
13	CLK SFT	CPU Clock Shift - ON, OFF
14	CW ID	Programmes and activates ARTS CW ID
16	DC VLT	Battery/supply voltage
17	DCS CD	DCS coding - 023 – 754
18	DCS RV	Inverted DCS coding – DISABL , ENABLE
19	DIMMER	Display brightness level – LVL 0 – LVL12
21	DT AM	DTMF Autodialler memory – AUTO , MANUAL
22	DT SET	Programming of the DTMF autodialler
25	EDG BP	Band edge beeper when using DIAL – ON, OFF
26	EMG S	Alarm type during emergency – BEEP , STROBE, BP+STB , BEAM, BP+BEM, CW, BP+CW
27	HLFDEV	Half deviation – ON, OFF
28	HM/RV	RM/RV key function – REV , HM
33	LAMP	Backlight/keypad illumination - KEY , CONT, OFF
35	LOCK	Lock function effect - KEY , DIAL, K+D, PTT, K+P, D+P, ALL
36	M/T-CL	Monitor switch function - MONI (monitor), T_CALL (1750Hz toneburst)
37	MCGAIN	Adjust microphone level LVL5
38	MW MD	Memory channel storage method – NEXT , LOWER
39	NAME	Display type - FREQ (frequency display), ALPHA (alphanumeric tag)
40	NM SET	Memory alpha tag entry
42	OPNMSG	Open message on power up – DC , MSG, OFF
49	RESUME	Scan resume mode – 3SEC, 5SEC , BUSY(holds until carrier dropped), HOLD
50	RF SQL	RF Squelch level – OFF - S9+
51	RPT	Repeater Shift – SIMP , -RPT, +RPT
52	RX MD	Receiving mode – AUTO , N-FM, AM, W-FM
53	RXSAVE	Battery saver off time – OFF, 200 , 300, 500, 1SEC, 2SEC, OFF
54	S SCH	Smart Search mode – SINGLE , CONT
55	SCNLMP	Backlight while paused – ON , OFF
56	SHIFT	Repeater Shift Offset – 0 - 100(MHz)
57	SKIP	Memory Scan channel selection mode – OFF , SKIP, ONLY
58	SPLIT	Split DCS/CTCSS coding – OFF , ON
59	SQL	Squelch threshold level – LVL 0-LVL 15 (1 NFM) LVL 0-LV L8 (2 WFM)
60	SQLTYP	Squelch mode – OFF , TONE, TSQ, DCS, RV TN
61	STEP	Tuning step – AUTO 5, 9, 10, 12.5, 15, 20, 25, 50, 100 (kHz)
66	TN FRQ	CTCSS tone selection - 67.0 – 254.1 Hz (100Hz)
67	TOT	TX Time out timer – OFF, 1M, 3M , 5M, 10M
70	TXSAVE	Transmitter battery saver – OFF , ON
71	VFO MD	VFO band edge limiting – BAND , ALL
72	Wakeup	5s -30s EAI OFF
73	TR SQL	OFF , JR FRQ, PR FRQ