

VX-5R Operation Notes

Controls and Connections

Control	Description	Page
PTT	push-to-talk button	15
MONI	press to disable squelch, allowing you to hear very weak signals near the background noise level	2, 29
VOLUME	knob to adjust volume	12
TX/BUSY	lamp glows red during Transmission, green during Receive	2
DIAL	main tuning dial	14
MIC/SP jack	4-conductor miniature jack provides connection points for external MIC, audio, earphone, PTT and ground	2
EXT DC	coaxial DC jack for charging battery or powered operation	2
PWR	press and hold this switch for one second to turn power on/off	12
L (black button)	lamp for display and keypad for night operation	18, 2
F/W	used to select alternate function for keypad buttons	2

Front Panel Display

Item	Description	Page
Va or Vb	indicates the operating band in VFO mode	3
Freq	Current Frequency/Data field	20, 3
F, L, S or W	F = alternate key functions active L = lock feature active S = set mode active W = memory write feature active	34 60 42
▶▶▶	S- and TX Power Meter	56, 3
NFM, AM or W-FM	Operating Mode	15, 23, 3

Display Icons (from left to right on bottom line of display)

Icon	Description	Page
DW	Dual Watch Active	50
+ or -	Repeater Shift Direction	24
T	CTCSS Encoder Active	26
SQ	CTCSS Decoder Active	26
DCS	DCS (Digital Coded Squelch) Active	27
Clock	Automatic Power-Off Active	33
L)))	Low TX Power Selected	30
Bell	Bell Alarm Active	29
Telephone	DTMF Autodialer Active	36
Battery (S)	Battery Saver Active	32
Broken Battery	Low Battery Indicator	10

Memory Recall

1. If operating in VFO mode, press the MR key.
2. Rotate the DIAL to the desired channel. OR, key in the memory channel number and press the MR key.

Memory Storage

1. In VFO mode, select the desired frequency. Set up any CTCSS or DCS tones, repeater offset, and power level as needed.
2. Press and hold F/W for 1 second.
3. Within 5 seconds of releasing F/W, rotate the DIAL to select the desired memory channel. Note that channels marked with a * are free.
4. Press F/W to store the frequency into memory.
5. Note that you are still operating in VFO mode.

Changing Menu Settings

1. Press F/W, and then press SET.
2. Turn the DIAL to the menu item.
3. Press SET momentarily, and then rotate the DIAL to adjust or select the setting.
4. Press PTT momentarily to save the new setting.

Keypad Functions

Key	Press		Press [M] /W and then press		Press and Hold	
Band (Set AR)	Band = set frequency band	13	Set = enter Set (menu) Mode		AR = activate ARTS	13, 30
HM/RV (EMG)	RV = reverse Transmit/Receive frequencies	25	HM = switch to Home frequency	43	EMG = activate the Emergency feature	37
TX PO (Lock)	TX PO = select desired transmit output level (Full, L1, L2, L3)	30, 15	LOCK = Key Lockout	34	[none]	
MR (SKP SC)	MR = switch to Memory Mode	43	SKP = designate a channel to be skipped during scanning	48	SC = initiate Memory Channel scanning	47
VFO (DW SC)	VFO = switch to VFO mode	43	DW = Dual Watch	50	SC = initiate VFO scanning	47, 14
1 (TN FRQ)	digit 1		TN = CTCSS or DCS operation	26	FRQ = enable display of sub-band frequency	20
2 (CD TAG)	digit 2		CD = select CTCSS tone or DCS code number	26	TAG = select display type for memory operation	44
3 (DT VLT)	digit 3		DT = DTMF autodialer function	36	VLT = display battery type and voltage	35
4 (MG DSP)	digit 4		MG = activate the Memory Group mode	45	DSP = switch display between large and small character mode	20
5 (AP ICO)	digit 5		AP = Automatic Power Off	33	ICO = switch display between alpha-numeric and icon formats	56
6 (RP ONT)	digit 6		RP = select direction of uplink freq shift	25	ONT = display operating and total transmit time for this session	33
7 (ST TMP)	digit 7		ST = select synthesizer steps for VFO operation	22	TMP = display current temperature of inside case	35
8 (BRO)	digit 8		[none]		BRO = display current barometric pressure	55
9 (BP ALT)	digit 9		BP = turn keypad beeper on/off	35	ALT = display current altitude	55
0 (SQ WX)	digit 0		SQ = adjust squelch threshold level	12	WX = recall the "Weather" broadcast channel	17

Note: the numbers refer to the manual page numbers

Menu #	Name	Settings	Explanation	Page
01	SQUELCH	0 – 15	Set AM and FM-N squelch threshold level; default is 01	12
02	WFM SQL	0 – 8	Set the FM-Wide squelch threshold level; default is 02	61
03	NAME SET	--	Store alphanumeric tags	44, 61
04	ICON	--	Icon select	56
05	VFO	ALL, BAND	select/disable the VFO band edge	22
06	ARS	On/Off	enable/disable the Automatic Repeater Shift	24
07	RPT SHIFT	-RPT, +RPT, SIMP	set the direction of the repeater shift	25
08	SHIFT	0 – 99.95 MHz	set the magnitude of the repeater shift	25
09	VFO SPLIT	On/Off	enable/disable VFO Split operation	21
10	VFO LINK	On/Off	enable/disable VFO Link feature	22
11	VFO STEP	5/9/10/12.5/15/ 20/25/50/100 KHz	set the size of the VFO steps	22
12	RESUME	5 SEC , BUSY, HOLD	select the scan resume mode	46, 63
13	SCAN LAMP	On/Off	when on, activate lamp on scan stop	50
14	RX SAVE	OFF, 200 mS , 300 mS, 500 mS, 1S, 2S	select the RX mode Battery Saver Interval	32
15	TX SAVE	On/Off	enable/disable the Transmit battery saver feature	32
16	APO	OFF , 30 min, 1 hr, 3 hr, 5 hr, 8 hr	set the Automatic Power Off idle time	33
17	BUSY LED	On/Off	enable/disable the Busy LED	33
18	ARTS BEEP	In Range , Always, Off	select the beep option for ARTS operation	40
19	ARTS ITVL	15 sec, 25 sec	set the polling interval for ARTS operation	39
20	KEY BEEP	On/Off	enable/disable the keypad beeper	35
21	EDGE BEEP	On/Off	enable/disable the band edge beeper	51
22	BELL	OFF , 1, 3, 5, 8, REPEAT	set the CTCSS bell ringer repetitions	29
23	MON/T-CAL	MON, T-CAL	select the MON key function	29
24	HOME/REV	HOME, REV	select the function of the HM/RV (EMG) key	43, 65
25	LAMP MODE	KEY , TOGGLE, 5 SEC	set the LCD/Keypad Lamp mode	18
26	TOT	OFF, 1 min, 2.5 min , 5 min, 10 min	set the TOT time (maximum length of a single transmission)	31
27	BCLO	On/Off	enable/disable the Busy Channel Lock-Out feature	31
28	CLOCK SFT	On/Off	Shifting of CPU clock frequency	65
29	SQL TYPE	OFF , TONE, TONE SQL, DCS	select the Tone Encoder and/or Decoder mode	26
30	TONE SET	39 std CTCSS tones	set the CTCSS tone frequency, default is 100 Hz ; note that you must press the 2 key to save settings, instead of PTT	26
31	DCS SET	104 std DCS codes	set the DCS code, default is 023 ; note that you must press the 2 key to save settings, instead of PTT	27
32	DTMF SET		programming the DTMF autodialer	36
33	CW ID		program and activate the CW ID (Morse id) feature	41
34	SPEC-ANAL	SINGLE , CONTINUE	select the spectrum analyzer sweep mode	53
35	SMRT SRCH	SINGLE , CONTINUE	select the Smart Search sweep mode	52
36	RX MODE	AUTO , N-FM, W-FM, AM	select the operating mode	23, 67
37	LOCK MODE	KEY , DIAL, PTT, etc.	select the control locking combination to use	34
38	HALF DEV	On/Off	reduce the deviation level by 50%	30
39	LANGUAGE	English , Japanese	select the language for the Set (menu) mode	39
40	ON TIMER	Off to 24:00	set the time until the unit will turn itself on	34
41	CONTRAST	1 – 10	set the display contrast level, default is 5	57
42	MTR SYMB	>>, ■, ●, ◆, —, =	select the S/PO meter symbol; default is >>	56
43	BARO OFST	-500 to +500 hpa	set the correction for barometric pressure; default is 0 hpa	54
44	ALTI OFST	-500 to +500 m	set the correction for altitude; default is 0 m	54
45	DISP MODE	NONE , TEMP, BARO, ALTV etc.	set the display for when the transceiver's power is off	57