

Mobile Radios



	VX-2100/2200 Series		VX-4100 Series		VX-4200 Series		VX-5500
	VX-2100	VX-2200	VX-4104	VX-4107	VX-4204	VX-4207	
GENERAL SPECS							
FREQUENCY RANGE	134-174 MHz, 400-470 MHz, 450-520 MHz	134-174 MHz, 400-470 MHz, 450-520 MHz	134-174 MHz	400-470 MHz	134-174 MHz	400-470 MHz	37-50 MHz,
DIMENSIONS (WxHxD)	165 x 46 x 155 mm	165 x 46 x 155 mm	165 x 44 x 155 mm	165 x 44 x 155 mm	165 x 44 x 155 mm	165 x 44 x 155 mm	178 x 61 x 196 mm
WEIGHT	1.3 kg	1.3 kg	1.4 kg	1.4 kg	1.4 kg	1.4 kg	2.2 kg
POWER OUTPUT	50 W / 25 W / 10 W (VHF) 45 W / 25 W / 10 W (UHF) 25 W / 12.5 W / 5 W / 1 W (25 W)	50 W / 25 W / 10 W (VHF) 45 W / 25 W / 10 W (UHF) 25 W / 12.5 W / 5 W / 1 W (25 W)	50 W / 25 W	45 W / 25 W	50 W / 25 W / 10 W	45 W / 25 W / 10 W	70 W
CHANNELS	8	128	8	8	501	501	250
CHANNEL SPACING	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	20 kHz - Lowband, 12.5 / 25 kHz
DISPLAY	1 Character Numeric	8 Character Alphanumeric	None	None	12 Character Alphanumeric	12 Character Alphanumeric	8 Character Alphanumeric
PROGRAMMABLE BUTTONS	6 + 6 (MH-75)	6 + 6 (MH-75)	3 + 6 (MH-75)	3 + 6 (MH-75)	7 + 6 (MH-75)	7 + 6 (MH-75)	7
REMOTE CONTROL HEAD CAPABLE	-	-	-	-	-	-	X
MULTI-CONTROL HEAD CAPABLE	-	-	-	-	-	-	X
CE PROGRAMMABLE	X	X	X	X	X	X	X
RADIO TO RADIO CLONING	X	X	X	X	X	X	X
MIL SPEC CERTIFICATION	MIL 810 C,D,E,F	MIL 810 C,D,E,F	MIL 810 C,D,E,F	MIL 810 C,D,E,F	MIL 810 C,D,E,F	MIL 810 C,D,E,F	MIL 810 C,D,E
WARRANTY	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year
FEATURES							
COMPANDER	-	-	X	X	X	X	X
BCLO, BTLO, TOT	X	X	X	X	X	X	X
AUTO RANGE TRANSPOND SYSTEM (ARTS™)	X	X	X	X	X	X	X
RSSI INDICATOR / RSSI WARN- ING (SIGNAL STRENGTH)	-	X	-	-	-	-	-
OPTION BOARD EXPANDABILITY	X	X	X	X	X	X	X
VOICE INVERSION ENCRYPTION	Option	Option	Option	Option	Option	Option	Option
ROLLING CODE ENCRYPTION	Option	Option	Option	Option	Option	Option	Option
KEY LOCK	X	X	X	X	X	X	X
VOICE STORAGE	-	-	Option	Option	Option	Option	-
DUAL BAND	-	-	Option (RX)	Option (RX)	Option (RX)	Option (RX)	Configuration
TALKAROUND	X	X	X	X	X	X	X
PUBLIC ADDRESS / HORN ALERT	X	X	X	X	X	X	X
PROGRAMMABLE MINIMUM VOLUME	X	X	X	X	X	X	X
SECURITY							
CTCSS/DCS ENCODE/DECODE	X	X	X	X	X	X	X
MULTI 2-TONE DECODE	X	X	X	X	X	X	-
2-TONE ENCODE/DECODE	X	X	X	X	X	X	Option
5-TONE ENCODE/DECODE	X	X	X	X	X	X	Option
REMOTE RADIO STUN, KILL, REVIVE (5-TONE)	X	X	X	X	X	X	-
DTMF ANI	X	X	X	X	X	X	X
DTMF PAGING	X	X	X	X	X	X	Option
DTMF ENCODE/ DECODE	-	-	X	X	X	X	-
DTMF SPEED DIAL	X	X	-	-	X	X	X
LONE WORKER	X	X	-	-	-	-	-
EMERGENCY	X	X	X	X	X	X	X
MDC-1200®	Option	Option	Option	Option	Option	Option	Option (ENC only)
GE-STAR®	Option	Option	Option	Option	Option	Option	Option (ENC only)
SCAN FEATURES							
SCAN	X	X	X	X	X	X	X
PRIORITY SCAN	X	X	X	X	X	X	X
DUAL PRIORITY SCAN	-	-	X	X	X	X	X
DUAL WATCH	X	X	X	X	X	X	X
FOLLOW ME SCAN	X	X	X	X	X	X	X
FOLLOW ME / DUAL WATCH	X	X	X	X	X	X	-
TA (Talk Around) SCAN	X	X	-	-	-	-	-
GROUP SCAN	X	X	-	-	X	X	X
SCAN SET	X	X	X	X	X	X	X
NUISANCE CHANNEL DELETE	X	X	X	X	X	X	X

Portable Radios



	VX-160 Series	VX-180 Series	VX-230 Series	VX-350 Series		VX-410 Series		VX-420 Series		VX-820 Series			VX-920 Series		
	VX-160	VX-180	VX-231	VX-351	VX-354	VX-414	VX-417	VX-424	VX-427	VX-821	VX-824	VX-829	VX-921	VX-924	VX-929
GENERAL SPECS															
FREQUENCY RANGE	134-160 MHz, 146-174 MHz, 400-430 MHz, 440-470 MHz	134-160MHz, 146-174MHz, 400-430 MHz, 440-470 MHz	134-174 MHz, 400-470 MHz, 450-520 MHz	134-174 MHz, 400-470 MHz	134-174 MHz, 400-470MHz	134-160 MHz, 146-174 MHz	400-430 MHz, 440-470 MHz	134-160 MHz, 146-174 MHz	400-430 MHz, 440-470 MHz	134-174 MHz, 400-470 MHz	134-174 MHz, 400-470 MHz	134-174 MHz, 400-470 MHz	134-174 MHz, 400-470 MHz	134-174 MHz, 400-470 MHz	134-174 MHz, 400-470 MHz
DIMENSIONS (with standard battery) WxHxD	58 x 120 x 131 mm	58 x 120 x 131 mm	58 x 110 x 30 mm	58 x 104 x 33 mm	58 x 104 x 33 mm	58 x 110 x 30 mm	58 x 110 x 30 mm	58 x 110 x 30 mm	58 x 110 x 30 mm	58 x 97 x 39 mm	58 x 97 x 39 mm	58 x 97 x 39 mm	58 x 135 x 39 mm	58 x 135 x 39 mm	58 x 135 x 39 mm
WEIGHT (with standard battery)	320g	320g	286g	310g	310g	300g	300g	300g	300g	310g	310g	310g	370g	370g	370g
POWER OUTPUT	5W / 1W	5W / 1W	5W / 1W	5W / 1W	5W / 1W	5W / 1W	5W / 1W	5W / 1W	5W / 1W	5W / 1W	5W / 1W	5W / 1W	5W / 1W	5W / 1W	5W / 1W
NUMBER OF CHANNELS	16	16	16	16	16	32	32	32	32 / 250	16	512	512	48	512	512
CHANNEL SPACING	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz
DISPLAY	-	8 Character Alphanumeric	-	-	8 Character Alphanumeric	-	-	8 Character Alphanumeric	8 Character Alphanumeric	-	12 Character Alphanumeric	12 Character Alphanumeric	-	12 Character Alphanumeric	12 Character Alphanumeric
KEYPAD	-	3-keys	-	-	Limited	-	-	Full	Full	-	Limited	Full	-	Limited	Full
PROGRAMMABLE BUTTONS	1 (dual-function)	4	2	2	6	2	2	6	6	3	7	9	4	8	10
CE PROGRAMMABLE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
RADIO TO RADIO CLONING	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AVAILABLE BATTERIES	1800 mAh NiMH, 2000 mAh Li-ion	1800 mAh NiMH, 2000 mAh Li-ion	1150 mAh Li-ion, 2000 mAh Li-ion, 1200 mAh NiMH	2000 mAh Li-ion	2000 mAh Li-ion	1800 mAh Li-ion, 2000 mAh Li-ion	1800 mAh Li-ion, 2000 mAh Li-ion	1800 mAh Ni-MH, 2000 mAh Li-ion	1800 mAh Ni-MH, 2000 mAh Li-ion	1150 mAh Li-ion, 2000 mAh Li-ion, 3000 mAh Li-ion	1150 mAh Li-ion, 2000 mAh Li-ion, 3000 mAh Li-ion	1150 mAh Li-ion, 2000 mAh Li-ion, 3000 mAh Li-ion	1150 mAh Li-ion, 2000 mAh Li-ion, 3000 mAh Li-ion	1150 mAh Li-ion, 2000 mAh Li-ion, 3000 mAh Li-ion	1150 mAh Li-ion, 2000 mAh Li-ion, 3000 mAh Li-ion
AA BATTERY AVAILABILITY	-	-	-	-	-	6 AA cell pack	6 AA cell pack	6 AA cell pack	6 AA cell pack	Alkaline Battery Case	Alkaline Battery Case	Alkaline Battery Case	Alkaline Battery Case	Alkaline Battery Case	Alkaline Battery Case
INTRINSICALLY SAFE	-	-	-	-	-	-	-	-	-	ATEX	ATEX	ATEX	ATEX	ATEX	ATEX
AUDIO OUTPUT	500 mW	500 mW	500 mW	500 mW	500 mW	500 mW	500 mW	500 mW	500 mW	700 mW	700 mW	700 mW	700 mW	700 mW	700 mW
MIL STD CERTIFICATION	MIL 810 C, D, E, F	MIL 810 C, D, E, F	MIL 810 C, D, E, F	MIL 810 C, D, E, F	MIL 810 C, D, E, F	MIL 810 D, E, F	MIL 810 D, E, F	MIL 810 D, E, F	MIL 810 D, E, F	MIL 810, C,D,E,F	MIL 810, C,D,E,F	MIL 810, C,D,E,F	MIL 810, C,D,E,F	MIL 810, C,D,E,F	MIL 810, C,D,E,F
IP RATING	IP54	IP54	IP54	IP55	IP55	IP54	IP54	IP54	IP54	IP57 (VX-821)	IP57 (VX-824)	IP57 (VX-829)	IP57 (VX-921)	IP57 (VX-924)	IP57 (VX-929)
WARRANTY	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year
FEATURES															
COMPANDER	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X
BATTERY STATUS INDICATOR (TONE)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BATTERY GAS GAUGE	-	X	-	-	X	-	-	-	-	-	X	X	-	X	X
RSSI INDICATOR /RSSI WARNING (SIGNAL STRENGTH)	-	-	-	-	X	-	-	-	-	-	X	X	-	X	X
BATTERY SAVER CIRCUIT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BCLO, BTLO,TOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AUTO RANGE TRANSPOND SYSTEM (ARTS™)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
INTERNAL VOX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OPTION BOARD EXPANDABILITY	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X
VOICE INVERSION ENCRYPTION	-	-	-	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
ROLLING CODE ENCRYPTION	-	-	-	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
KEY LOCK	X	X	X	X	X	-	-	X	X	Lock	X	X	Lock	X	X
VOICE STORAGE	-	-	-	-	-	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
TALKAROUND	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SIGNALING FEATURES															
CTCSS/DCS ENCODE/DECODE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DUAL 2-TONE DECODE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2-TONE ENCODE/DECODE	X	X	X	X (CE Version)	X (CE Version)	X (CE Version)	X (CE Version)	X (CE Version)	X (CE Version)	X (CE Version)	X (CE Version)	X (CE Version)	X (CE Version)	X (CE Version)	X (CE Version)
5-TONE ENCODE/DECODE	X (CE version)	X (CE Version)	X (CE Version)	X	X	X	X	X	X	X	X	X	X	X	X
REMOTE RADIO STUN, KILL, REVIVE (5-TONE)	X (CE Version)	X (CE Version)	X (CE Version)	X	X	X	X	X	X	X	X	X	X	X	X
DTMF ANI	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DTMF PAGING	-	-	-	Option	Option	Option	Option	Option	Option	Option	Option	Option	X	X	X
LONE WORKER	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X
EMERGENCY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MDC-1200®	-	-	-	-	-	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
MDC-1200® ANI/ENI	-	-	-	Option	Option	Option	Option	Option	Option	X	X	X	X	X	X
GE-STAR®	-	-	-	Option (ENC only)	Option (ENC only)	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
DTMF ENCODE/DECODE	-	-	-	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
DTMF SPEED DIAL	X	X	X	X	X	X	X	X	X	-	-	X	-	-	X
SCAN FEATURES															
SCAN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PRIORITY SCAN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DUAL PRIORITY SCAN	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X
DUAL WATCH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
FOLLOW ME SCAN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
FOLLOW ME / DUAL WATCH	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X
TA (Talk Around) SCAN	X	X	X	X	X	-	-	-	-	X	X	X	X	X	X
NUISANCE CHANNEL DELETE	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X
SCAN SET	X	X	X	X	X	-	-	-	-	X	X	X	X	X	X
ADD / DELETE	-	-	-	-	-	X	X	X	X	-	-	-	-	-	-
GROUP SCAN	-	-	-	-	-	X	X	X	X	-	X	X	X	X	X

Specifications are subject to change without notice or obligation.