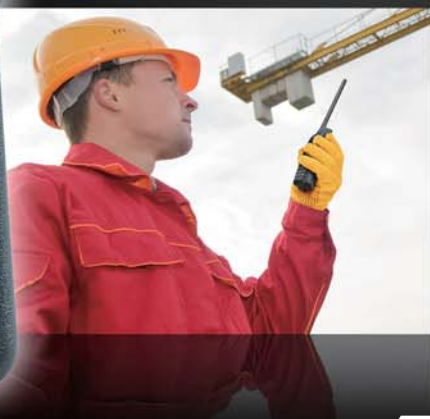


Compact, Waterproof Professional Radio

- IP67 Waterproof and Dust-tight Protection
- 800mW Clear Companded Audio with Large 36 mm Speaker
- Powerful 5.5W of Output Power
- 10.5 Hours of Operating Time with Supplied Waterproof Battery
- 128 Memory Channels
- 8 Character Alphanumeric Display
- Built-in CTCSS and DTCS encoder/decoder
- 8 DTMF Autodial Memories
- MDC 1200 PTT ID and 100 Alias Memories
- Inversion Voice Scrambler (16 Code) for Private Conversation
- Channel Announcement of the Operating Channel Number
- Seven Programmable Buttons with Shift Key Function



With optional stubby antenna



Waterproofing



Slim Dimensions
IC-V88 (left) and V80 (right)



Limited functions.

SPECIFICATIONS

GENERAL	
Frequency coverage	136–174MHz
Type of emissions	16K0F3E, 11K0F3E (25/12.5kHz)
Number of channels	128 channels
Antenna impedance	50Ω
Power supply requirement	7.5V DC
Operating temperature range	–30°C to +60°C (Radio only)
Frequency stability	±2.5ppm
Current drain (approx.)	
Tx High	1.5A
Rx Max. audio/Stand-by	330mA (Internal SP) / 77mA
Dimensions (W×H×D) (Projections not included)	52.2 × 111.8 × 22.3 mm (with BP-278)
Weight (approx.)	230g (with BP-278)
TRANSMITTER	
Output power (at 7.5V)	5.5/2.0/0.5W (Hi/L2/L1)
Max. frequency deviation	±5.0kHz/±2.5kHz (Wide/Narrow)
Spurious emissions	70dB min.
Ext. microphone connector	3-conductor 2.5(d)mm (1/16")/2.2kΩ
RECEIVER	
Sensitivity	0.25μV typ. (at 12dB SINAD)
Squelch sensitivity	0.25μV typ. (at threshold)
Adjacent channel selectivity	76dB/53dB typ. (Wide/Narrow)
Intermodulation	74dB typ.
Spurious response	70dB min.
Audio output power	
Internal SP	800mW typ. (12Ω load)
External SP	400mW typ. (8Ω load)
External speaker connector	3-conductor 3.5(d) mm (1/8")/8Ω

Measurements made in accordance with EIA/TIA-603.

All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications & IP Rating

Standard	MIL 810G	
	Method	Procedure
Low Pressure	500.5	I, II
High Temperature	501.5	I, II
Low Temperature	502.5	I, II
Temperature Shock	503.5	I-C
Solar Radiation	505.5	I
Rain Blowing/Drip	506.5	I, III
Humidity	507.5	II
Salt Fog	509.5	–
Dust Blowing	510.5	I
Immersion	512.5	I
Vibration	514.6	I
Shock	516.6	I, IV

Also meets equivalent MIL-STD-810-C, -D, -E and -F.

Ingress Protection Standard	
Dust & Water	IP67 (Dust-tight and waterproof protection)

Supplied accessories: (May differ depending on version)

- Battery pack, BP-278
- Desktop charger, BC-213
- AC adapter, BC-123SA/SE
- Belt clip, MB-133
- Antenna

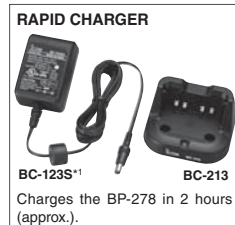
OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.

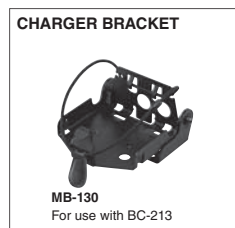
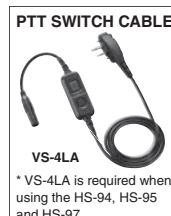
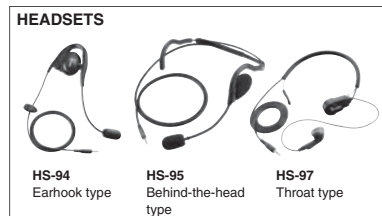
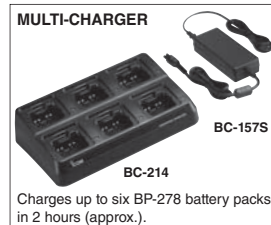


Battery packs	Type and capacity	Operating time*
BP-278	Li-ion, 7.2V 1130mAh	10.5 hours (Approx.)
BP-279	Li-ion, 7.2V 1485mAh	14 hours (Approx.)

* Tx: Rx: standby = 5:5:90. Power save function ON.



*1 BC-123SA for 120V AC. SE for 230V AC. SV for 240V AC.



STANDARD ANTENNAS

- FA-SC25V : 136–150MHz
- FA-SC55V : 150–174MHz

CUT ANTENNAS

- FA-SC61VC : 136–174MHz

HIGH GAIN ANTENNAS

- FA-SC62V : 150–160MHz
- FA-SC63V : 155–165MHz

STUBBY ANTENNAS

- FA-SC56VS : 150–162MHz
- FA-SC57VS : 160–174MHz

CHARGER ADAPTER

- AD-130
- AD-130 charger adapter is supplied with the BC-214.



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