



VHF & UHF TRANSCEIVERS

IC-V88

VHF Transceiver

IC-U88

UHF Transceiver

Compact, Waterproof Professional Radio



- IP67 Waterproof and Dust-tight Protection
- 800mW Clear Companded Audio with Large 36 mm Speaker
- 5.5W/4W (VHF/UHF) 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
- Ample Scan Functions
- Hands-free Operation with Optional Headset



IC-U88



Waterproofing



Slim Dimensions
IC-V88 (left) and U88 (right)

IC-V88
With optional stubby antenna



SPECIFICATIONS

GENERAL	IC-V88	IC-U88
Frequency coverage	136–174MHz	335–380MHz
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	1.3A
Rx Max. audio/Stand-by	330mA (Internal SP) / 77mA	300mA (Internal SP) / 80mA
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)	4.0/2.0/1.0W (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 (1/10")/2.2kΩ	
RECEIVER		
Sensitivity	0.25μV typ. (at 12dB SINAD)	
Squelch sensitivity	0.25μV typ. (at threshold)	
Adjacent channel selectivity	76dB/53dB typ. (W/N)	73dB/56dB typ. (W/N)
Intermodulation	74dB typ.	73dB 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)
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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	Capacity	Operating time*
BP-278	Li-ion 7.2V	1130mAh (min.) 1190mAh (typ.)	10 hours (Approx.)
BP-279	Li-ion 7.2V	1485mAh (min.) 1570mAh (typ.)	14 hours (Approx.)
BP-280	Li-ion 7.2V	2280mAh (min.) 2400mAh (typ.)	20 hours (Approx.)

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

RAPID CHARGER



Charges the BP-278 in 2 hours (approx.).

MULTI-CHARGER



Charges up to six BP-278 battery packs in 2 hours (approx.).

CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLE



CP-23L For use with BC-213
OPC-656 For use with BC-214

*1 BC-123SA for USA. SE for Europe. SV for Australia.

SPEAKER-MICROPHONES



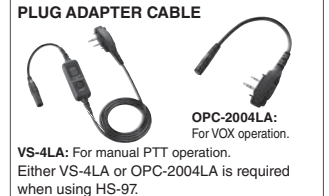
HEADSETS



EARPHONE-MICROPHONES



PTT SWITCH CABLE & PLUG ADAPTER CABLE



CHARGER BRACKET



MB-130
For use with BC-213

BELT CLIP



MB-133
Alligator type
Same as supplied.

VHF ANTENNAS

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

UHF ANTENNAS

- FA-SC01U: 350–400MHz
- FA-SC02U: 330–380MHz

CUT ANTENNA

- FA-SC61VC: 136–174MHz

HIGH GAIN ANTENNAS

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

STUBBY ANTENNAS

- FA-SC26VS: 136–144MHz
- FA-SC27VS: 142–150MHz
- 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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