

Compact, Waterproof Professional Radio with 1500 mW Powerful Audio

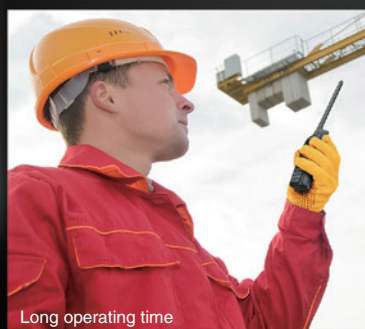


IC-V88
With optional stubby antenna

- Icom custom high power handling capacity speaker for 1500 mW powerful audio
- IP67 waterproof and dust-tight protection
- 5.5 W/4 W (VHF/UHF) of output power
- Up to 10 hours of operating time with the supplied waterproof battery
- 128 memory channels and eight zones
- Eight character alphanumeric display
- Built-in CTCSS and DTCS encoder/decoder
- Eight DTMF autodial memories
- MDC 1200 PTT ID and BIIS 1200 PTT ID
- Inversion voice scrambler (16 code) for private conversations
- Channel announcement of the operating channel number
- Seven programmable buttons with Shift key function
- 16 scan lists and priority scan functions
- Hands-free operation with the optional headset



IC-U88



Long operating time



Waterproof for 30 minutes at one meter



1500 mW powerful audio

SPECIFICATIONS

GENERAL	IC-V88	IC-U88
Frequency coverage	136–174 MHz	335–380 MHz
Type of emissions	16K0F3E, 11K0F3E (25/12.5 kHz)	
Number of channels	128 channels	
Antenna impedance	50 Ω	
Power supply requirement	7.5 V DC	
Operating temperature range	–30 °C to +60 °C (Radio only)	
Frequency stability	±2.5 ppm	
Current drain (Approximate)		
Tx High	1.5 A	1.3 A
Rx Maximum audio/Stand-by	500 mA (Internal SP) / 77 mA	500 mA (Internal SP) / 80 mA
Dimensions (W×H×D) (Projections not included)	52.2 × 111.8 × 22.3 mm (with BP-278)	
Weight (Approximate)	230 g (with BP-278)	
TRANSMITTER		
Output power (at 7.5 V DC)	5.5/ 2.0/ 1.0 W (Hi/L2/L1)	4.0/ 2.0/ 1.0 W (Hi/L2/L1)
Maximum frequency deviation	±5.0 kHz/±2.5 kHz (Wide/Narrow)	
Spurious emissions	70 dB minimum	
External microphone connector	3-conductor 2.5 (d)mm (1/10")/2.2 kΩ	
RECEIVER		
Sensitivity	0.25 μV typical (at 12 dB SINAD)	
Squelch sensitivity	0.25 μV typical (at threshold)	
Adjacent channel selectivity	76 dB/ 53 dB typical (W/N)	73 dB/ 56 dB typical (W/N)
Intermodulation	74 dB typical	73 dB typical
Spurious response	70 dB minimum	
Audio output power		
Internal speaker	1500 mW typical (8 Ω load)	
External speaker	400 mW typical (8 Ω load)	
External speaker connector	3-conductor 3.5 (d) mm (1/8")/ 8 Ω	

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
• Belt clip, MB-133	• AC adapter, BC-242
	• 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	Rechargeable Li-ion	1130 mAh (min.) 1190 mAh (typ.)	Up to 10 hours
BP-279	Rechargeable Li-ion	1485 mAh (min.) 1570 mAh (typ.)	Up to 14 hours
BP-280	Rechargeable Li-ion	2280 mAh (min.) 2400 mAh (typ.)	Up to 20 hours

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

RAPID CHARGER

BC-242 BC-213

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

MULTI-CHARGER

BC-214

Charges up to six radios and/or battery packs at the same time.

CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLE

CP-23L OPC-656

For use with the BC-213. For use with the BC-214.

SPEAKER-MICROPHONES

IP67

HM-168LWP HM-158LA HM-159LA

EARPHONE-MICROPHONES

HM-153LA HM-166LA

HEADSETS

HS-94LWP HS-95LWP HS-97*2

Ear-hook type with a waterproof connector. Behind-the-head type with a waterproof connector. Throat type.

PTT SWITCH CABLE & PLUG ADAPTER CABLE

VS-4LA: OPC-2004LA:

For manual PTT operation. For VOX operation.

*2 Either the VS-4LA or OPC-2004LA is required when using the HS-97.

CHARGER BRACKET

MB-130

For use with the BC-213.

BELT CLIP

MB-133

Alligator type Same as supplied.

- VHF ANTENNAS**
- FA-SC25V: 136–150 MHz
 - FA-SC55V: 150–174 MHz
- UHF ANTENNAS**
- FA-SC01U: 350–400 MHz
 - FA-SC02U: 330–380 MHz
- CUT ANTENNA**
- FA-SC61VC: 136–174 MHz
- HIGH GAIN ANTENNAS**
- FA-SC62V: 150–160 MHz
 - FA-SC63V: 155–165 MHz

- STUBBY ANTENNAS**
- FA-SC26VS: 136–144 MHz
 - FA-SC27VS: 142–150 MHz
 - FA-SC56VS: 150–162 MHz
 - FA-SC57VS: 160–174 MHz
- CHARGER ADAPTER**
- AD-130
- AD-130 charger adapter is supplied with the BC-214.



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