



## VHF AND UHF TRANSCEIVERS

### IC-F1000T

VHF transceiver with full keypad

### IC-F1000S

VHF transceiver with simple keypad

### IC-F1000

VHF transceiver without LCD and front keypad

### IC-F2000T

UHF transceiver with full keypad

### IC-F2000S

UHF transceiver with simple keypad

### IC-F2000

UHF transceiver without LCD and front keypad

# Compact, Slim Dimensions IP67 Waterproofing and Full of Useful Features

#### IP67 Waterproof and Dust-tight Protection

The IC-F1000 series has a 24.5mm (0.96 in) slim depth with IP67 waterproof casing. The transceiver can withstand 1m depth of water for 30 minutes. Its dust-tight construction prevents the ingress of powder dust, sand, mud and other objects.

#### Enhanced Emergency with Built-in Motion Sensor

With a built-in motion sensor, the IC-F1000 series can detect its position, state of motion and non-motion and can send an emergency signal. The motion function detects if the transceiver is moving or shaking, for example, during a chase. The lone worker and man down functions are programmable.

#### Easy to Hear in a Noisy Environment

The large 36mm speaker of the transceiver provides clear companded 800 mW\* audio. The built-in BTL amplifier doubles the audio output power and delivers loud and intelligible voice to a radio operator working in noisy environments.

\* Typical with internal speaker

#### Inversion Voice Scrambler

The built-in inversion voice scrambler provides secure conversation. Up to 16 codes are selectable.

#### 14 Hours of Operating Time with Supplied Waterproof Battery

The supplied waterproof Li-Ion battery pack, BP-279 (7.2V DC, 1485mAh), provides 14 hours\* of operating time.

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

#### Quiet Stand-by and More

The IC-F1000 series has built-in 2-Tone, 5-Tone, CTCSS and DTCS signaling capabilities for group communication and selective calling.

#### MDC 1200 Compatible

The following MDC features are programmable.

- PTT ID • Emergency (No ACK transmission)
- Radio check (RX only) • Stun/Revive (RX only)
- Transmit status messages (LCD types only)
- 100 alias table (LCD types only)

#### Channel Announcement

When you rotate the channel knob, the radio announces the channel number. Convenient for making radio adjustments without having to look at the radio.

#### Other Features

- 8 DTMF autodial memories
- BIIS PTT ID and emergency call
- "Shift key" function increases number of programmable key assignments
- Surveillance function • Escalating alarm
- Optional HM-168LWP, waterproof speaker-mic



IC-F2000T

IC-F1000S

IC-F1000  
(with optional stubby antenna)



Limited functions.

## SPECIFICATIONS

	IC-F1000/S/T	IC-F2000/S/T
<b>GENERAL</b>		
Frequency coverage (MHz)	136–174MHz	335–400MHz (EXP), 400–470MHz (USA/EXP), 450–512MHz (USA), 450–520MHz (EXP)
Number of channels	IC-F1000/F2000 IC-F1000T/S, F2000T/S	16 channels 128 channels
Type of emission	16K0F3E*/11K0F3E	
Channel spacing	12.5/25kHz	
Power supply requirement	7.5V DC nominal	
Current drain (typical)		
Tx High	1.3A	1.3A
Rx Max. audio/Standby	330mA (Internal SP)/77mA	300mA (Internal SP)/80mA
Antenna impedance	50Ω	
Operating temperature range	–30°C to +60°C; –22°F to +140°F (Radio specification)	
Dimensions (WxHxD) (Projections not included)	52.2x111.8x24.5mm; 2.06x4.4x0.96 in (With BP-279)	
Weight (approx.)	240g; 8.47oz (With BP-279)	
<b>TRANSMITTER</b>		
Output power	5W, 2W, 1W (Hi, L2, L1)	4W, 2W, 1W (Hi, L2, L1)
Max. frequency deviation	± 5.0kHz/±2.5kHz (Wide/Narrow)	
Frequency stability	±2.5ppm	
Spurious emissions	70dB min.	
FM Hum and noise	46/40dB typ. (Wide/Narrow)	
Audio harmonic distortion	1.0%/1.5% typ. (W/N, AF 1kHz 40% deviation)	
Ext. microphone connector	3-conductor 2.5 (d) mm (1/10")/2.2kΩ	
<b>RECEIVER</b>		
Sensitivity (at 12dB SINAD)	0.25μV typ.	
Adjacent channel selectivity	76/53dB typ. (W/N)	73/56dB typ. (W/N)
Spurious response	70dB min.	
Intermodulation	74dB typ.	73dB typ.
Hum and noise	51/45dB typ. (W/N)	49/43dB typ. (W/N)
Audio output power		
Internal SP (With 12Ω load)	800mW typ. (at 5% distortion)	
External SP (With 8Ω load)	400mW typ. (at 5% distortion)	
External speaker connector	2-conductor 3.5 (d) mm (1/8")/8Ω	

Measurements made in accordance with TIA-603.  
All stated specifications are subject to change without notice or obligation.  
\* 25kHz bandwidth is no longer available for FCC Part 90 licensees for USA versions.  
Ask your dealer if you need 25kHz bandwidth.

### 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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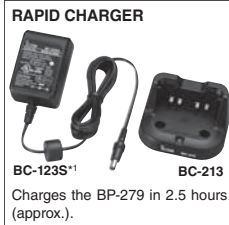
## OPTIONS

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

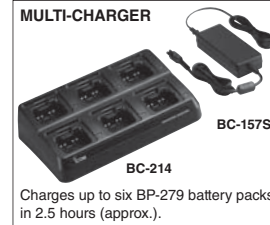


Battery packs	Type and capacity	Operating time*
BP-278	Li-Ion, 7.2V 1130mAh	10 hours (Approx.)
BP-279	Li-Ion, 7.2V 1485mAh	14 hours (Approx.)

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



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



Charges up to six BP-279 battery packs in 2.5 hours (approx.).



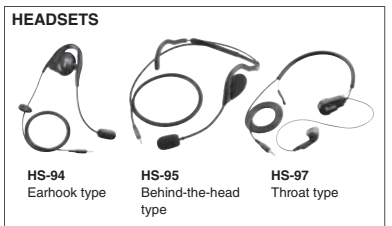
CP-23L For use with BC-213  
OPC-656 For use with BC-214



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



HM-153LA HM-166LA



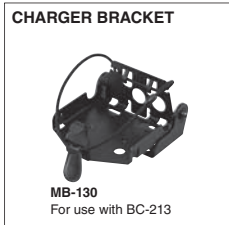
HS-94 Earhook type  
HS-95 Behind-the-head type  
HS-97 Throat type



VS-4LA  
\* VS-4LA is required when using the HS-94, HS-95 and HS-97.



MB-133  
Alligator type  
Same as supplied.



MB-130  
For use with BC-213

- STANDARD ANTENNAS**
- FA-SC25V : 136–150MHz
  - FA-SC55V : 150–174MHz
  - FA-SC25U : 400–430MHz
  - FA-SC57U : 430–470MHz
  - FA-SC72U : 470–520MHz
- CUT ANTENNAS**
- FA-SC61VC : 136–174MHz
  - FA-SC61UC : 380–520MHz
- HIGH GAIN ANTENNAS**
- FA-SC62V : 150–160MHz
  - FA-SC63V : 155–165MHz

- STUBBY ANTENNAS**
- FA-SC56VS : 150–162MHz
  - FA-SC57VS : 160–174MHz
  - FA-SC73US : 450–490MHz
- CHARGER ADAPTER**
- AD-130  
AD-130 charger adapter is supplied with the BC-214.

- Supplied accessories:** (May differ depending on version)
- Battery pack, BP-279
  - Desktop charger, BC-213
  - AC adapter, BC-123S
  - Belt clip, MB-133
  - Antenna



The "3D GENUINE Icom label" is attached to the rear chassis under the battery. Check the Icom website for details: <http://www.icom.co.jp/world/genuine-info/>

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