



## 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

#### IP67 Waterproof and Dust-tight Protection

The IC-F1000 series has a 24.5mm 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

Rugged

MDC 1200

GENUINE

# VHF AND UHF TRANSCEIVERS IC-F1000/T/S • IC-F2000/T/S

## SPECIFICATIONS

	IC-F1000/S/T	IC-F2000/S/T
<b>GENERAL</b>		
Frequency coverage	136–174MHz	335–400MHz (EXP), 400–470MHz (EXP/EUR), 450–520MHz (EXP)
Number of channels	IC-F1000/F2000 IC-F1000T/S, F2000T/S	16 channels 128 channels
Type of emission	EXP EUR	16K0F3E/11K0F3E (25/12.5kHz) 16K0F3E/14K0F3E/11K0F3E (25/20/12.5kHz)
Power supply requirement	7.5V DC	
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	EXP EUR	–30°C to +60°C (Radio only) –25°C to +55°C (Radio only)
Dimensions (WxHxD) (Projections not included)	52.2x111.8x24.5mm (With BP-279)	
Weight (approx.)	240g (With BP-279)	
<b>TRANSMITTER</b>		
Output power (at 7.2V DC)	5W, 2W, 1W (Hi, L2, L1)	4W, 2W, 1W (Hi, L2, L1)
Max. frequency deviation	± 5.0kHz/±4.0kHz/±2.5kHz (Wide/Middle/Narrow)	
Frequency stability	±2.5ppm	
Spurious emissions	EXP EUR	70dB min. 0.25μV (≤ 1GHz), 1.0μV (> 1GHz)
FM Hum and noise	EXP	46/40dB typ. (Wide/Narrow, without CCITT filter)
Residual modulations	EUR	45/43/40dB min. (W/M/N, with CCITT filter)
Audio harmonic distortion (AF 1kHz 40% deviation)	1.0%/1.0%/1.5% typ. (Wide/Middle/Narrow)	
Ext. microphone connector	3-conductor 2.5 (d) mm (1/16")/2.2kΩ	
<b>RECEIVER</b>		
Sensitivity	EXP EUR	0.25μV typ. (at 12dB SINAD) –4dBμV typ. emf (at 20dB SINAD)
Adjacent channel selectivity	70/70/40dB min. (Wide/Middle/Narrow)	
Spurious response	70dB min.	
Intermodulation	EXP EUR	74dB typ. 65dB min.
Hum and noise	EXP (With CCITT filter) EUR (Without CCITT)	51/45dB typ. (W/N) 45/43/40dB min. (W/M/N)
Audio output power	Internal SP (With 12Ω load) External SP (With 8Ω load)	800mW typ. (at 5% distortion) 400mW typ. (at 5% distortion)
Ext. speaker connector	2-conductor 3.5 (d) mm (1/8")/8Ω	

Measurements made in accordance with EN 300-086 (EUR) or TIA-603 (EXP). 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)

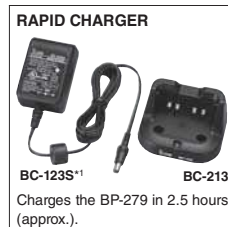
## OPTIONS

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

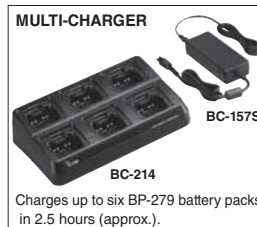


Battery packs	Type and capacity	Operating time*
BP-278	Li-Ion, 7.2V 1130mAh	10 hours (Approx.)
BP-279	Li-Ion, 7.2V 1485mAh	14 hours (Approx.)

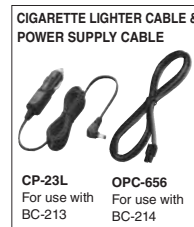
\* Tx: Rx: standby = 5:5:90. Power save function ON.



Charges the BP-279 in 2.5 hours (approx.).



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

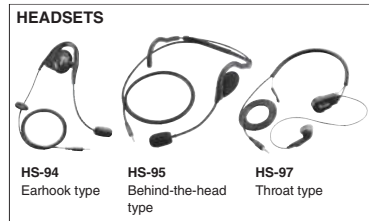
\* BC-123SA for 120V AC. SE for 230V AC. SV for 240V AC.



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



HM-153LA HM-166LA



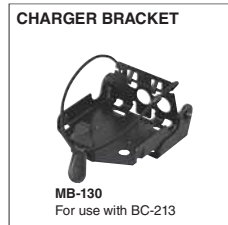
HS-94 Earhook type  
HS-95 Behind-the-head type  
HS-97 Throat type



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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