



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 24.5 mm (0.96 in) slim depth with IP67 waterproof casing. The transceiver can withstand 1 m 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 36 mm 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 (1570 mAh typ.), 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
- Hands-free operation with optional headset



IC-F2000T

IC-F1000S

IC-F1000
(with optional stubby antenna)



Limited functions.



SPECIFICATIONS

	IC-F1000/S/T	IC-F2000/S/T
GENERAL		
Frequency coverage (MHz)	136–174 MHz	335–380 MHz (EXP)*1, 400–470 MHz (USA/EXP), 450–512 MHz (USA), 450–520 MHz (EXP)
Number of channels	IC-F1000/F2000 IC-F1000T/S, F2000T/S	16 channels 128 channels
Type of emission	16K0F3E*2/11K0F3E	
Channel spacing	12.5/25 kHz	
Power supply requirement	7.5 V DC nominal	
Current drain (typical)		
Tx High	1.3 A	1.3 A
Rx Max. audio/Standby	330 mA (Internal SP)/77 mA	300 mA (Internal SP)/80 mA
Antenna impedance	50 Ω	
Operating temperature range	–30°C to +60°C; –22°F to +140°F (Radio specification)	
Dimensions (W×H×D) (Projections not included)	52.2×111.8×24.5 mm; 2.1×4.4×1.0 in (With BP-279)	
Weight (approximate)	240 g; 8.5 oz (With BP-279)	
TRANSMITTER		
Output power	5 W, 2 W, 1 W (Hi, L2, L1)	4 W, 2 W, 1 W (Hi, L2, L1)
Max. frequency deviation	± 5.0 kHz/±2.5 kHz (Wide/Narrow)	
Frequency stability	±2.5 ppm	
Spurious emissions	70 dB min.	
FM Hum and noise	46/40 dB typical (Wide/Narrow)	
Audio harmonic distortion	1.0%/1.5% typical (W/N, AF 1 kHz 40% deviation)	
Ext. microphone connector	3-conductor 2.5 (d) mm (1/10")/2.2 kΩ	
RECEIVER		
Sensitivity (at 12 dB SINAD)	0.25 μV typical	
Adjacent channel selectivity	76/53 dB typical (TIA-603D W/N)	73/56 dB typical (TIA-603D W/N)
	78/71 dB typical (TIA-603A W/N)	74/64 dB typical (TIA-603A W/N)
Spurious response	70 dB min.	
Intermodulation	74 dB typical	73 dB typical
Hum and noise	51/45 dB typical (W/N)	49/43 dB typical (W/N)
Audio output power		
Internal SP (With 12 Ω load)	800 mW typical (at 5% distortion)	
External SP (With 8 Ω load)	400 mW typical (at 5% distortion)	
External speaker connector	2-conductor 3.5 (d) mm (1/8")/8 Ω	

Measurements made in accordance with TIA-603.
 All stated specifications are subject to change without notice or obligation.
 *1 IC-F2000 Non-LCD version only. *2 25 kHz bandwidth is no longer available for FCC Part 90 licenses for USA versions. Ask your dealer if you need 25 kHz 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	Capacity	Operating time*
BP-278	Rechargeable Li-ion	1130 mAh (min.) 1190 mAh (typ.)	10 hours (Approximate)
BP-279	Rechargeable Li-ion	1485 mAh (min.) 1570 mAh (typ.)	14 hours (Approximate)
BP-280	Rechargeable Li-ion	2280 mAh (min.) 2400 mAh (typ.)	20 hours (Approximate)

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

RAPID CHARGER



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

MULTI-CHARGER



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

CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLE



For use with BC-213

SPEAKER-MICROPHONES



EARPHONE-MICROPHONES



HEADSETS



PTT SWITCH CABLE & PLUG ADAPTER CABLE



CHARGER BRACKET



For use with BC-213

BELT CLIP



Same as supplied.

STANDARD ANTENNAS

- FA-SC25V: 136–150 MHz
- FA-SC55V: 150–174 MHz
- FA-SC25U: 400–430 MHz
- FA-SC57U: 430–470 MHz
- FA-SC72U: 470–520 MHz
- FA-SC01U: 350–400 MHz
- FA-SC02U: 330–380 MHz

STUBBY ANTENNAS

- FA-SC26VS: 136–144 MHz
- FA-SC27VS: 142–150 MHz
- FA-SC56VS: 150–162 MHz
- FA-SC57VS: 160–174 MHz
- FA-SC26US: 400–450 MHz
- FA-SC73US: 450–490 MHz

CUT ANTENNAS

- FA-SC61VC: 136–174 MHz
- FA-SC61UC: 380–520 MHz

HIGH GAIN ANTENNAS

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

Supplied accessories: (May differ or not supplied, 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/>