



## 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 (1570mAh 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
- Hands-free operation with optional headset



IC-F2000T

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	335–380MHz (EXP)*1, 400–470MHz (USA/EXP), 450–512MHz (USA), 450–520MHz (EXP)
Number of channels	IC-F1000/F2000 16 channels IC-F1000T/S, F2000T/S 128 channels	
Type of emission	16K0F3E*2/11K0F3E	
Channel spacing	12.5/25kHz	
Power supply requirement	7.5V DC nominal	
Current drain (typical)		
Tx High	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 (W×H×D) (Projections not included)	52.2×111.8×24.5mm; 2.06×4.4×0.96 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. (TIA-603D W/N)	73/56dB typ. (TIA-603D W/N)
	78/71dB typ. (TIA-603A W/N)	74/64dB typ. (TIA-603A 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.

\*1 IC-F2000 Non-LCD version only. \*2 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	Capacity	Operating time*
BP-278	Rechargeable Li-ion	1130mAh (min.) 1190mAh (typ.)	10 hours (Approx.)
BP-279	Rechargeable Li-ion	1485mAh (min.) 1570mAh (typ.)	14 hours (Approx.)
BP-280	Rechargeable Li-ion	2280mAh (min.) 2400mAh (typ.)	20 hours (Approx.)

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

**RAPID CHARGER**

BC-123S\*1 BC-213

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

**MULTI-CHARGER**

BC-214

Charges up to six BP-279 battery packs in 2.5 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 plug. SE for Europe plug. SV for Australia plug.

**SPEAKER-MICROPHONES**

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

**EARPHONE-MICROPHONES**

HM-153LA HM-166LA

**HEADSETS**

HS-94LWP Ear-hook type

HS-95LWP Behind-the-head type

HS-97 Throat type

**PTT SWITCH CABLE & PLUG ADAPTER CABLE**

VS-4LA OPC-2004LA

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

**CHARGER BRACKET**

MB-130 For use with BC-213

**BELT CLIP**

MB-133 Alligator type Same as supplied.

### STANDARD ANTENNAS

- FA-SC25V: 136–150MHz
  - FA-SC55V: 150–174MHz
  - FA-SC25U: 400–430MHz
  - FA-SC57U: 430–470MHz
  - FA-SC72U: 470–520MHz
  - FA-SC01U: 350–400MHz
  - FA-SC02U: 330–380MHz
- CUT ANTENNAS**
- FA-SC61VC: 136–174MHz
  - FA-SC61UC: 380–520MHz
- 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
  - FA-SC26US: 400–450MHz
  - FA-SC73US: 450–490MHz
- CHARGER ADAPTER**
- AD-130 AD-130 charger adapter is supplied with the BC-214.

**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/>

## Icom Inc.

1-1-32, Kamiminami, Hirano-Ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

[www.icom.co.jp/world](http://www.icom.co.jp/world)

## Count on us!

Your local distributor/dealer:

### Icom America Inc.

12421 Willows Road NE,  
Kirkland, WA 98034, U.S.A.  
Phone: +1 (425) 454-8155  
Fax: +1 (425) 454-1509  
E-mail: [sales@icomamerica.com](mailto:sales@icomamerica.com)  
URL: <http://www.icomamerica.com>

### Icom (Europe) GmbH

Communication Equipment  
Auf der Krautweide 24  
65812 Bad Soden am Taunus, Germany  
Phone: +49 (6196) 76685-0  
Fax: +49 (6196) 76685-50  
E-mail: [info@icomeurope.com](mailto:info@icomeurope.com)  
URL: <http://www.icomeurope.com>

### Icom France s.a.s.

Zac de la Plaine,  
1 Rue Brindejonc des Moulinais, BP 45804,  
31505 Toulouse Cedex 5, France  
Phone: +33 (5) 61 36 03 03  
Fax: +33 (5) 61 36 03 00  
E-mail: [icom@icom-france.com](mailto:icom@icom-france.com)  
URL: <http://www.icom-france.com>

### Icom Canada

Glenwood Centre #150-6165  
Highway 17A, Delta, B.C.,  
V4K 5B8, Canada  
Phone: +1 (604) 952-4266  
Fax: +1 (604) 952-0090  
E-mail: [info@icomcanada.com](mailto:info@icomcanada.com)  
URL: <http://www.icomcanada.com>

### Icom Spain S.L.

Ctra. Rubi, No. 88 "Edificio Can Castanyer"  
Bajos A 08174, Sant Cugat del Valles,  
Barcelona, Spain  
Phone: +34 (93) 590 26 70  
Fax: +34 (93) 589 04 46  
E-mail: [icom@icomspain.com](mailto:icom@icomspain.com)  
URL: <http://www.icomspain.com>

### Icom (Australia) Pty. Ltd.

Unit 1 / 103 Garden Road,  
Clayton, VIC 3168 Australia  
Phone: +61 (03) 9549 7500  
Fax: +61 (03) 9549 7505  
E-mail: [sales@icom.net.au](mailto:sales@icom.net.au)  
URL: <http://www.icom.net.au>

### Icom Brazil

Rua Itororó, 444 Padre Eustáquio  
Belo Horizonte MG,  
CEP: 30720-450, Brazil  
Phone: +55 (31) 3582 8847  
Fax: +55 (31) 3582 8987  
E-mail: [sales@icombrasil.com](mailto:sales@icombrasil.com)

### Icom (UK) Ltd.

Blacksole House, Altira Park,  
Herne Bay, Kent, CT6 6GZ, U.K.  
Phone: +44 (0) 1227 741741  
Fax: +44 (0) 1227 741742  
E-mail: [info@icomuk.co.uk](mailto:info@icomuk.co.uk)  
URL: <http://www.icomuk.co.uk>

### Shanghai Icom Ltd.

No.101, Building 9, Caifuxingyuan Park,  
No.188 Maoting Road, Chedun Town,  
Songjiang District, Shanghai, 201611, China  
Phone: +86 (021) 6153 2768  
Fax: +86 (021) 5765 9987  
E-mail: [bjicom@bjicom.com](mailto:bjicom@bjicom.com)  
URL: <http://www.bjicom.com>