



## 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 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-F1000  
(with optional stubby antenna)



Limited functions.

# 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),<br>400–470MHz (EXP/EUR),<br>450–520MHz (EXP)          |
| Number of channels                                   | IC-F1000/F2000<br>IC-F1000T/S, F2000T/S   | 16 channels<br>128 channels   |
| Type of emission                                     | EXP<br>EUR  | 16K0F3E/11K0F3E (25/12.5kHz)<br>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<br>EUR<br>–30°C to +60°C (Radio only)<br>–25°C to +55°C (Radio only)  |   |
| Dimensions (W×H×D)<br>(Projections not included)     | 52.2×111.8×24.5mm (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<br>EUR<br>70dB min.<br>0.25μW (≤ 1GHz), 1.0μW (> 1GHz)  |   |
| FM Hum and noise                                     | EXP<br>EUR<br>46/40dB typ. (Wide/Narrow, without CCITT filter)  |   |
| Residual modulations                                 | EUR<br>45/43/40dB min. (W/M/N, with CCITT filter)   |   |
| Audio harmonic distortion<br>(AF 1kHz 40% deviation) | 1.0%/1.0%/1.5% typ.<br>(Wide/Middle/Narrow)   |   |
| Ext. microphone connector                            | 3-conductor 2.5 (d) mm (1/10")/2.2kΩ  |   |
| <b>RECEIVER</b>                                      |   |   |
| Sensitivity  | EXP<br>EUR<br>0.25μV typ. (at 12dB SINAD)<br>–4dBμV typ. emf (at 20dB SINAD)  |   |
| Adjacent channel selectivity                         | 70/70/40dB min. (Wide/Middle/Narrow)  |   |
| Spurious response                                    | 70dB min.   |   |
| Intermodulation                                      | EXP<br>EUR<br>74dB typ.<br>65dB min.  |   |
| Hum and noise  | EXP (With CCITT filter)<br>EUR (Without CCITT)<br>51/45dB typ. (W/N)<br>45/43/40dB min. (W/M/N)                             |   |
| Audio output power                                   | Internal SP (With 12Ω load)<br>External SP (With 8Ω load)<br>800mW typ. (at 5% distortion)<br>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

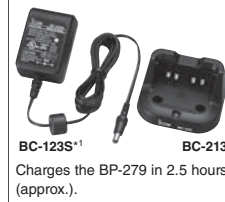
Some options may not be available in some countries. Please ask your dealer for details.



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

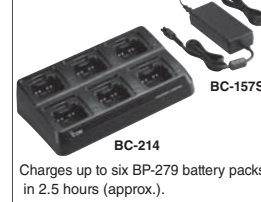
\* Tx: Rx: standby = 5:5:90. Power save function ON.

### RAPID CHARGER



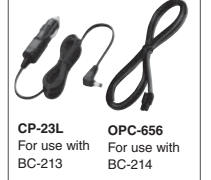
Charges the BP-279 in 2.5 hours (approx.).

### 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  
For use with BC-214

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

### SPEAKER-MICROPHONES



### EARPHONE-MICROPHONES

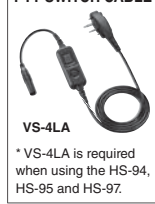


### HEADSETS



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

### PTT SWITCH CABLE



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

### BELT CLIP



Same as supplied.

### CHARGER BRACKET



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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## Icom Inc.

1-1-32, Kami-minami, 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!

### 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 Canada

Glenwood Centre #150-6165 Highway 17,  
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 Brazil

Rua Itoróré, 444 Padre Eustáquio  
Belo Horizonte MG,  
CEP: 30130-150, Brazil  
Phone : +55 (31) 3582 8847  
Fax : +55 (31) 3582 8987  
E-mail : [sales@icombrasil.com](mailto:sales@icombrasil.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@icom-europe.com](mailto:info@icom-europe.com)  
URL : <http://www.icom-europe.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 Polska Sp. z o.o.

80-286 Gdansk, Jaskowa Dolina St. 75, Poland  
Phone : +48 (58) 551 0484  
Fax : +48 (58) 551 4270  
E-mail : [icompolksa@icompolksa.com.pl](mailto:icompolksa@icompolksa.com.pl)  
URL : <http://www.icompolksa.com.pl>

### 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>

### 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 (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 New Zealand

146A Harris Road, East Tamaki,  
Auckland, New Zealand  
Phone : +64 (09) 274 4062  
Fax : +64 (09) 274 4708  
E-mail : [inquiries@icom.co.nz](mailto:inquiries@icom.co.nz)  
URL : <http://www.icom.co.nz>

### Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road,  
Taipei, Taiwan, R.O.C.  
Phone : +886 (02) 2559 1899  
Fax : +886 (02) 2559 1874  
E-mail : [sales@asia-icom.com](mailto:sales@asia-icom.com)  
URL : <http://www.asia-icom.com>

### Shanghai Icom Ltd.

No. 101, Building 9, Caifuxingyuan Park,  
No. 188 Maotang 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>

Your local distributor/dealer:

Apex Radio Systems Ltd.  
102 Tantobie Road  
Denton Burn  
Newcastle upon Tyne  
NE15 7DQ



Tel 0191 228 0466  
Fax 0191 228 0467  
Email [info@apexradio.com](mailto:info@apexradio.com)