ICOM

IC-F1000 Series
IC-F2000 Series

VHF AND UHF TRANSCEIVERS

Little Radio, Big Sound! Class Leading 1500 mW Audio and Full of Great Features





IC-F1000T

IC-F2000S

IC-F1000

- **Icom custom high power capacity speaker for 1500 mW powerful audio**
- **Compact, waterproof durable design (IP67 and MIL-STD-810-G)**
- **Enhanced emergency safety with built-in motion/stationary detection sensor**
- **128 channel capacity with eight zones (Simple type and ten-key type)**
- **Built-in 2-Tone, 5-Tone, CTCSS and DTCS**
- **MDC compatible**
- **Man down and lone worker functions**
- **Channel announcement**
- **Up to 20 hours of operating time with BP-280 battery**
- **5 W (VHF), 4 W (UHF*) RF output power**

* UHF output power varies depending on the version.

FEATURES

General Features

- 136 – 174, 400 – 470, 450 – 520 MHz versions
- 5 W (VHF), 4 W (UHF*) RF output power (* Depending on version)
- 1500 mW large volume audio from Icom custom speaker
- Improved sound clarity
- Compact (52.2 × 111.8 × 24.5 mm; 2.1 × 4.4 × 1.0 in) and lightweight (240 g; 8.5 oz with BP-279)
- IP67 waterproof and dust-tight protection
- Tested to 12 categories of MIL-STD-810-G environmental tests
- DTMF autodial memories
- 16-position rotary selector and ON/OFF volume knob
- "Shift key" function increases number of programmable key assignments
- Up to 20 hours of operating time with BP-280 battery pack
- Eight character alphanumeric display (Ten-keypad/simple keypad versions)
- Three color LED
- Optional 1500 mW speaker-microphone, HM-222HLWP*

  * For the transceiver with a "N" or "U" mark on the serial number label.



1500 mW powerful audio



Icom custom high power capacity speaker



Waterproof for 30 minutes at one meter



1500 mW powerful audio with optional HM-222HLWP

Signaling Functions

- CTCSS and DTCS tone
- 2-Tone and 5-Tone
- MDC PTT ID, Emergency (TX/RX), Radio Check (RX), Stun (RX), Revive (RX)
- Up to 100 ID numbers and names can be saved to show the alias name, instead of the ID number
- BIIS PTT ID transmission* (* Depending on version)

Safety and Security

- 16-code inversion voice scrambler* (* Depending on version)
- Radio Stun/Revive/Kill commands (2-Tone and 5-Tone, RX only)
- Radio Stun/Revive commands (MDC, RX only)
- Auto TX function (2-Tone and 5-Tone)
- MDC emergency call with open microphone function (MDC, RX only)
- Man down function
- Lone worker function
- Motion and stationary detection function
- Surveillance function temporarily turns OFF the beep and LED indicator
- Power ON password (for the simple type and 10-key type)
- Emergency key for emergency call

Scan Functions

- Priority scan monitors one or two priority channels while scanning non-priority channels
- Mode dependent scan automatically changes the scan list according to the operating channel
- Power ON scan function
- Talk back timer

Voice/Audio Functions

- Channel announcement function
- VOX function for hands-free operation
- Audio compander* (* Depending on version)
- Siren sound for security alarm

* Inversion voice scrambler, BIIS and audio compander functions are not available, depending on the version.

SPECIFICATIONS

		IC-F1000/T/S (EXP Version)	IC-F1000/T/S (EUR Version)	IC-F2000/T/S (EXP Version)	IC-F2000/T/S (EUR Version)
GENERAL					
Frequency coverage* (* Varies according to version)		136 – 174 MHz		400 – 470 MHz 450 – 520 MHz	400 – 470 MHz
Number of channels		128 channels/ 8 zones (IC-F1000T/S: with LCD) 16 channels (IC-F1000: without LCD)		128 channels/ 8 zones (IC-F2000T/S: with LCD) 16 channels (IC-F2000: without LCD)	
Type of emission* (* Depending on version)		16K0F3E/11K0F3E/8K50F3E	16K0F3E/14K0F3E/8K50F3E	16K0F3E/11K0F3E/8K50F3E	16K0F3E/14K0F3E/8K50F3E
Power supply requirement		7.5 V DC nominal		7.5 V DC nominal	
Current drain (approx.)	Tx	1.3 A		1.3 A	
	Rx	500 mA (Max. audio, internal SP)/ 70 mA (Standby)		500 mA (Max. audio, internal SP)/ 80 mA (Standby)	
Antenna impedance		50 Ω		50 Ω	
Operating temperature range (Radio specification)		–30°C to +60°C; –22°F to +140°F		–30°C to +60°C; –22°F to +140°F	–25°C to +55°C
Dimensions (W × H × D; Projections not included)		52.2 × 111.8 × 24.5 mm; 2.1 × 4.4 × 1.0 in (With BP-279) 52.2 × 111.8 × 30.3 mm; 2.1 × 4.4 × 1.2 in (With BP-280)		52.2 × 111.8 × 24.5 mm; 2.1 × 4.4 × 1.0 in (With BP-279) 52.2 × 111.8 × 30.3 mm; 2.1 × 4.4 × 1.2 in (With BP-280)	
Weight (approx.)		240 g; 8.5 oz (With BP-279), 270 g; 9.5 oz (With BP-280)		240 g; 8.5 oz (With BP-279), 270 g; 9.5 oz (With BP-280)	
TRANSMITTER					
Output power (Hi, L2, L1)		5 W, 2 W, 1 W		4 W, 2 W, 1 W (Depending on version)	
Maximum frequency deviation		±5.0 kHz (W), ±2.5 kHz (N)	±5.0 kHz (W), ±4.0 kHz (M), ±2.5 kHz (N)	±5.0 kHz (W), ±2.5 kHz (N)	±5.0 kHz (W), ±4.0 kHz (M), ±2.5 kHz (N)
Frequency stability		±2.5 ppm		±2.5 ppm	
Spurious emissions		70 dB min.	0.25 µW (≤ 1 GHz), 1.0 µW (> 1 GHz)	70 dB min.	0.25 µW (≤ 1 GHz), 1.0 µW (> 1 GHz)
Adjacent channel power		81 dB typ. (W), 71 dB typ. (N)	82 dB typ. (W), 81 dB typ. (M), 78 dB typ. (N)	74 dB typ. (W), 69 dB typ. (N)	74 dB typ. (W/M), 69 dB typ. (N)
Audio harmonic distortion (at AF 1 kHz 40% dev.)		1.0% typ. (W/N)	1.0% typ. (W/M/N)	1.0% typ. (W) 1.5% typ. (N)	1.0% typ. (W/M) 1.5% typ. (N)
FM Hum and Noise		68 dB typ. (W), 67 dB typ. (N) (without CCITT filter)	70 dB typ. (W/M), 69 dB typ. (N) (with CCITT filter)	46 dB typ. (W), 40 dB typ. (N) (without CCITT filter)	53 dB typ. (W), 51 dB typ. (M), 48 dB typ. (N) (with CCITT filter)
External microphone connector		3-conductor 2.5 (d) mm (1/10)/2.2 kΩ		3-conductor 2.5 (d) mm (1/10)/2.2 kΩ	
RECEIVER					
Sensitivity		0.20 µV typ. (at 12 dB SINAD)	–4 dBµV emf typ. (at 20 dB SINAD)	0.25 µV typ. (at 12 dB SINAD)	–4 dBµV emf typ. (at 20 dB SINAD)
Adjacent channel selectivity		75 dB typ. (W), 72 dB typ. (N)	76 dB typ. (W), 74 dB typ. (M), 72 dB typ. (N)	75 dB typ. (W), 67 dB typ. (N)	73 dB typ. (W/M), 67 dB typ. (N)
Spurious response rejection		70 dB min.		70 dB min.	
Intermodulation rejection		75 dB typ.	65 dB min.	73 dB typ.	65 dB min.
Hum and noise		66 dB typ. (W), 63 dB typ. (N) (Without CCITT filter)	58 dB typ. (W), 57 dB typ. (M), 53 dB typ. (N) (With CCITT filter)	46 dB typ. (W), 40 dB typ. (N) (Without CCITT filter)	52 dB typ. (W), 50 dB typ. (M), 47 dB typ. (N) (With CCITT filter)
AF output power (at 5% distortion, with 8 Ω load)	Internal speaker	1500 mW typ.		1500 mW typ.	
	External speaker	400 mW typical 1500 mW typical (With HM-222HLWP)		400 mW typical 1500 mW typical (With HM-222HLWP)	
External speaker connector		2-conductor 3.5 (d) mm (1/8)/8 Ω		2-conductor 3.5 (d) mm (1/8)/8 Ω	

All stated specifications are subject to change without notice or obligation. Measurements made in accordance with EN 300-086 (EUR) or TIA-603 (EXP).

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)

Battery Life

Battery pack	Type	Capacity	VHF	UHF
BP-279	Li-ion 7.2 V	1570 mAh (typ.), 1485 mAh (min.)	Up to 13 hours	Up to 14 hours
BP-280	Li-ion 7.2 V	2400 mAh (typ.), 2280 mAh (min.)	Up to 20 hours	Up to 20 hours

* At 5 W output power. TX: RX: standby = 5:5:90. Power save function ON.
Battery life varies depending on the version.

Supplied accessories: (* May differ or not supplied, depending on version)
• Battery pack, BP-279 or BP-280* • Desktop charger, BC-213 • Belt clip, MB-133
• AC adapter, BC-242 • Antenna

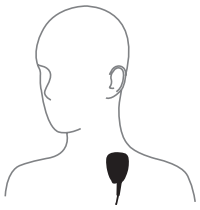


Genuine Product Authentication
Are you using a genuine Icom product?
Scan the QR code on the rear chassis under the battery to verify it is a genuine Icom product.
For more details: www.icomjapan.com/explore/genuine_info/

OPTIONAL ACCESSORIES

IC-F1000•IC-F2000 Series

SPEAKER-MICROPHONES



HM-222HLWP: High-power speaker-mic with 3.5 mm earphone jack. Water proof



HM-168LWP: Waterproof speaker-mic. Water proof



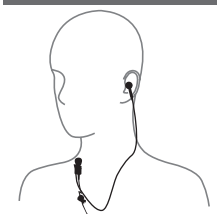
HM-158LA: Compact speaker-mic with 3.5 mm earphone jack



HM-159LA: Speaker-mic with 3.5 mm earphone jack.



EARPHONE-MICROPHONES



HM-153LA: Durable lapel mic with earphone.



HM-166LA: Light weight lapel mic with earphone.



PARTNER PRODUCT

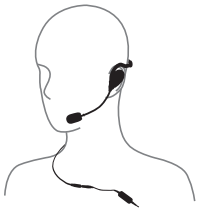
Icom affiliated IJKP Product

IJKP

IJKP-HM-2PL-OW: Acoustic Type Earphone Microphone



HEADSETS



HS-94LWP: Earphone-headset with a waterproof connector.



HS-95LWP: Behind-the-head headset with a waterproof connector.



HEADSETS + PTT SWITCH CABLE / PLUG ADAPTER

HS-97: Throat microphone.



VS-4LA: PTT switch cable with manual PTT operation.



or

OPC-2004LA: Plug adapter cable for VOX operation.



HS-94 and HS-95 are also available. (Use with either the VS-4LA or OPC-2004LA)

BATTERY PACKS

BP-279: Li-ion battery pack 1570 mAh (typ.), 1485 mAh (min.)



BP-280: Li-ion battery pack 2400 mAh (typ.), 2280 mAh (min.)



BATTERY CHARGER

BC-213: Charges the BP-279 in 2.5 hours (approximate).
* AC adapter is supplied, depending on the charger version.





MULTI-CHARGER

BC-214N (#41~#43):
* AC adapter BC-157S is supplied, depending on the charger version.





BELT CLIP

MB-133: Alligator belt clip. Same as supplied.



CHARGER ACCESSORIES

CP-23L: Vehicle charger cable for use with BC-213.



MB-130: Charger bracket for use with BC-213.



ANTENNAS

FA-SC25V: 136–150 MHz
FA-SC28V: 148–162 MHz
FA-SC29V: 160–174 MHz
FA-SC55V: 150–174 MHz
FA-SC25U: 400–430 MHz
FA-SC57U: 430–470 MHz
FA-SC72U: 470–520 MHz



FA-SC25V

FA-SC57U

HIGH GAIN ANTENNAS

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



FA-SC62V

CUT-TYPE ANTENNAS

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



FA-SC61UC

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



FA-SC26VS



FA-SC26US

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

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