

VHF AND UHF TRANSCEIVERS

5 W Output Power Also in UHF, 1500 mW Loud Audio

Simple operation for instant communication

The IC-F3002 series is so easy to use there's no special training required. The few knobs and buttons are generously sized for easy operation and are designed to provide non-slip, positive action – even while wearing gloves.

Easy to hear in noisy areas

The radio provides 1500 mW* loud and clear audio with Icom custom high power handling capacity speaker. Clear communication is available even in noisy environments.

* Typical with internal speaker

Longer operating time

A new high efficiency FET of the IC-F3002 series reduces consumption current and provides up to 31 hours* of operating time with the BP-299, 3150 mAh (typical) supplied battery pack.

* TX: RX: Standby=5: 5: 90. Power save function ON.

Weather resistant, dust protection, military rugged

While the radio is a compact unit with a height of only 111 mm, the radio is tested to dust protection and water resistant equivalent to IP54 and 11 categories of MIL-STD-810 environmental tests. In short, the IC-F3002 series is built rugged!

Internal VOX capability for hands-free operation

The radio has the internal VOX capability for hands-free operation. Optional compatible headset with plug adapter cable OPC-2004LA can be used with the radio. Also, the VOX gain and VOX delay time are adjustable.

Selective calling, quiet stand-by and more

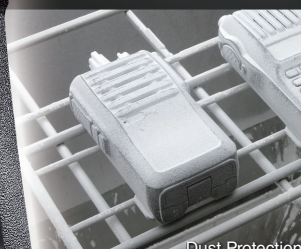
2-Tone and 5-Tone signaling gives you selective calling, quiet stand-by and other convenient functions with programming. The radio "stun" function disables a radio over the air and the "revive" function restores the stunned radio.

Scan features

The priority scan allows you to monitor one or two priority channels while scanning other non-priority channels. The TX channel and talk back functions allow you to make a quick response while scanning.

Other features

- DTMF autodial
- BIIS PTT ID transmission
- Low battery alert
- PC programmable
- Talk around function
- Enhanced emergency
- Surveillance function
- CTCSS/DTCS encoder/decoder
- MDC PTT ID and emergency
- 2-step power save
- Time out timer
- Lone worker function
- 3-color LED



Dust Protection



Water Resistance



Limited functions.

SPECIFICATIONS

	IC-F3002	IC-F4002
GENERAL		
Frequency coverage	136–174 MHz / 400–470 MHz	
Number of channels	16 channels	
Type of emission	8K50F3E/14K0F3E/16K0F3E	
Channel spacing	12.5/20/25 kHz	
Power supply requirement	7.2 V DC	
Current drain (approximate)		
TX High	1.3 A	1.6 A
RX Max. audio	500 mA (Internal SP)	500 mA (Internal SP)
Standby	75 mA	70 mA
Antenna impedance	50 Ω	
Operating temperature range	–25°C to +55°C (Radio only)	
Dimensions (W × H × D) (Projections not included)	58 × 111 × 35.5 mm (With BP-299)	
Weight (approx.)	272 g (With BP-299)	
TRANSMITTER		
Output power (at 7.2 V DC)	5 W, 2 W, 1 W (Hi, L2, L1)	
Max. frequency deviation	± 5.0 kHz/±4.0 kHz/±2.5 kHz (Wide/Middle/Narrow)	
Frequency stability	±2.5 ppm	
Spurious emissions	0.25 μW (≤ 1 GHz) 1.0 μW (> 1 GHz)	
Residual modulations	58/56/53 dB typical (Wide/Middle/Narrow)	53/51/48 dB typical (Wide/Middle/Narrow)
Audio harmonic distortion (AF 1kHz 40% deviation)	1.0%/1.0%/1.5% typical (Wide/Middle/Narrow)	
Ext. microphone connector	3-conductor 2.5 (d) mm (1/10")/2.2 kΩ	
RECEIVER		
Sensitivity (at 20 dB SINAD)	–4 dBμV typical emf	
Adjacent channel selectivity	78/78/70 dB typical (Wide/Middle/Narrow)	73/73/65 dB typical (Wide/Middle/Narrow)
Spurious response rejection	70 dB minimum	
Intermodulation rejection	65 dB minimum	
Hum and noise (With CCITT filter)	57/55/51 dB typical (Wide/Middle/Narrow)	52/50/47 dB typical (Wide/Middle/Narrow)
Audio output power		
Internal SP (With 8 Ω load)	1500 mW typical (at 5% distortion)	
External SP (With 8 Ω load)	400 mW typical (at 5% distortion)	
Ext. speaker connector	2-conductor 3.5 (d) mm (1/8")/8 Ω	

Measurements made in accordance with EN 300-086.
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
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	IP54 (Dust-protection and water resistant)

Supplied accessories:		
• Battery pack, BP-299	• Desktop charger, BC-240	• AC adapter, BC-242
• Belt clip, MB-124	• Antenna	


OPTIONAL ACCESSORIES

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

Battery pack type	Capacity	Operating time*	
BP-299	Li-ion 3050 mAh (min.) 3150 mAh (typ.)	VHF	31.4 hrs.
BP-263	AA (LR6) × 6	UHF	29.4 hrs.

* TX: RX: Standby = 5: 5: 90. Power save function ON.


RAPID CHARGER



BC-242 BC-240

Charges the BP-299 in 4.6 hours (approx.).
The BC-242 is supplied with the BC-240.

MULTI-CHARGER



BC-157S BC-214N*

* The AD-139 charger adapters and BC-157S AC adapter are supplied with the BC-214N, depending on the charger version.

SPEAKER-MICROPHONES




HM-158LA HM-159LA

CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLES



CP-23L OPC-515L OPC-656
For use with BC-240 For use with BC-240 For use with BC-214N

HEADSETS



HS-94 HS-95 HS-97
Earhook type Behind-the-head type Throat type
OPC-2004LA is required when using any of headset.

PLUG ADAPTER CABLE



OPC-2004LA
For VOX operation

BELT CLIP



MB-124
Aligator type
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

STUBBY ANTENNAS

- FA-SC56VS : 150–162 MHz
- FA-SC57VS : 160–174 MHz
- FA-SC73US : 450–490 MHz

CUT ANTENNAS

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

Icom, Icom Inc. and Icom logo are registered trademarks of Icom Incorporated (Japan) in Japan, the United States, the United Kingdom, Germany, France, Spain, Russia, Australia, New Zealand and/or other countries. All trademarks are the properties of their respective holders.

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

www.icomjapan.com

Count on us!

Icom America Inc.
www.icomamerica.com

Icom (Europe) GmbH
www.icomeurope.com

Icom (Australia) Pty. Ltd.
www.icom.net.au

Your local distributor/dealer:

Icom Canada
www.icomcanada.com

Icom Spain S.L.
www.icomspain.com

Shanghai Icom Ltd.
www.bjicom.com

Radiostanice.cz

Icom Brazil
E-mail: sales@icombrasil.com

Icom (UK) Ltd.
www.icomuk.co.uk

RCS Brno - radiostanice.cz, a.s.
Stránského 1350/35, 616 00 Brno

Icom France s.a.s.
www.icom-france.com

+420 548 216 942
obchod@radiostanice.cz