



VHF AND UHF TRANSCEIVERS

IC-F3003

VHF transceiver

IC-F4003

UHF transceiver

Affordable, high performance radio that offers abundant features

Simple operation for instant communication

The IC-F3003 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 built-in bridge-tied load (BTL) amplifier offers powerful 800 mW* audio output from the large 45 mm speaker. The radio delivers loud and intelligible audio even in noisy environments.

* Typical with internal speaker

Longer operating time

A new high efficiency FET of the IC-F3003 series reduces consumption current and provides 20 hours* of operating time with the BP-265, 2000 mAh battery pack. Even when used with the BP-264, the radio offers 14 hours* of operating time.

*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 test. In short, the IC-F3003 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 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 signalings give 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

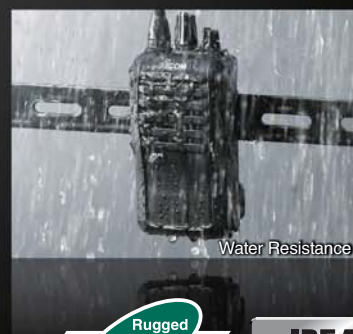
The priority scan allows you to monitor one or two priority channels while scanning other non-priority channels. The Tx channel and talk back functions allow you to make a quick response while scanning.

Other features

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



Dust Protection



Water Resistance



Limited functions.

SPECIFICATIONS

	IC-F3003	IC-F4003
GENERAL		
Frequency coverage	136–174 MHz	350–400 MHz 400–470 MHz 450–520 MHz
Number of channels	16 channels	
Type of emission	16K0F3E/11K0F3E	
Channel spacing	12.5/25 kHz	
PLL channel step	2.5/3.125 kHz	5/6.25 kHz
Power supply requirement	7.2 V DC nominal	
Current drain (approx.)		
Tx High	1.3 A	1.3 A
Rx Max. audio	330 mA (Internal SP)	330 mA (Internal SP)
Standby	75 mA	70 mA
Antenna impedance	50 Ω	
Operating temperature range	–30°C to +55°C (Radio only)	
Dimensions (W×H×D)	58×111×31.0 mm (With BP-264)	
(Projections not included)	58×111×35.5 mm (With BP-265)	
Weight (approx.)	330 g (With BP-264) 270 g (With BP-265)	
TRANSMITTER		
Output power (at 7.2 V DC)	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 typ. (Wide/Narrow)	
Audio harmonic distortion (AF 1 kHz 40% deviation)	1.0%/1.5% typ. (Wide/Narrow)	
Ext. microphone connector	3-conductor 2.5 (d) mm (1/10")/2.2 kΩ	
RECEIVER		
Sensitivity (at 12 dB SINAD)	0.25 μV typ.	
Adjacent channel selectivity	78/70 dB typ. (W/N)	73/65 dB typ. (W/N)
Spurious response rejection	70 dB min.	
Intermodulation rejection	75 dB typ.	74 dB typ.
Hum and noise (Without CCITT filter)	54/50 dB typ. (W/N)	52/47 dB typ. (W/N)
Audio output power		
Internal SP (With 12 Ω load)	800 mW typ. (at 5% distortion)	
External SP (With 8 Ω load)	400 mW typ. (at 5% distortion)	
Ext. speaker connector	2-conductor 3.5 (d) mm (1/8")/8 Ω	

All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications & IP Rating

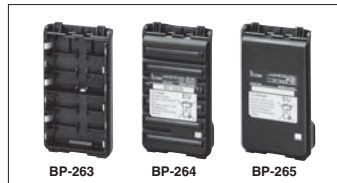
Standard	MIL 810F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain Blowing/Drip	506.4	I, III
Humidity	507.4	–
Salt Fog	509.4	–
Dust Blowing	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV

Also meets equivalent MIL-STD-810-C, -D and -E.

Ingress Protection Standard	
Dust & Water	IP54 (Dust-protection and water resistant)

OPTIONS

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



Battery packs	Type and capacity	Operating time* (Approx.)
BP-263	AA (LR6) batteries × 6	–
BP-264	Ni-MH, 7.2 V 1400mAh	14 hours
BP-265	Rechargeable Li-ion, 7.4 V 1900 mAh (min.) 2000 mAh (typ.)	20 hours

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

REGULAR CHARGER
For BP-264 (Ni-MH battery)



Charges the BP-264 in 16 hours (approx.).

RAPID CHARGER
For BP-264 (Ni-MH battery)



Charges the BP-264 in 2 hours (approx.).

RAPID CHARGER
For BP-265 (Li-ion battery)



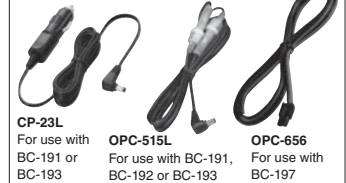
Charges the BP-265 in 2.5 hours (approx.).

*1 BC-147SA for USA plug, SV for Australia plug, BC-206SE for Europe plug. *2 BC-123SA for USA plug, SE for Europe plug, SV for Australia plug.

MULTI-CHARGER
For BP-264/BP-265



CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLES



CHARGER BRACKET



For use with BC-191, BC-192, BC-193

SPEAKER-MICROPHONES



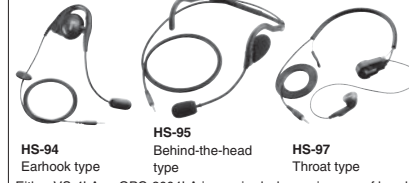
HM-158LA HM-159LA

BELT CLIP



MB-124 Alligator type Same as supplied.

HEADSETS



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

Either VS-4LA or OPC-2004LA is required when using any of headset.

PTT SWITCH CABLE and PLUG ADAPTER CABLE



VS-4LA For manual PTT operation OPC-2004LA For VOX operation

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

HIGH GAIN ANTENNAS

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

CHARGER ADAPTERS

- AD-120 for BP-264
 - AD-121 for BP-265
- Either AD-120 or AD-121 charger adapters are supplied with the BC-197, depending on BC-197's version.

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 the 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.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 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 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 URL: <http://www.icom-france.com>

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 URL: <http://www.bjicom.com>

Your local distributor/dealer:

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 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 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 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

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 URL: <http://www.icomuk.co.uk>

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 URL: <http://www.asia-icom.com>