

IC-F61M



Conforms to Maritime UHF onboard communication requirements

The IC-F61M is especially developed for onboard communication and is pre-programmed with 9 UHF onboard channels*. Icom has



also matched this radio's electrical specifications with the strict requirements of EN 300 720-2.

* 25 kHz channel.

IP67, dust-tight and water-proof construction

The IC-F61M has outstanding protection against dust and water which is equivalent to IP67. The IC-F61M can withstand submersion in 1 m depth of water for up to 30



minutes and has dust-tight construction that prevents the ingress of dust.

Compact body

The IC-F61M's compact dimensions of 56 (W) \times 97 (H) \times 35.2 (D) mm allow the IC-F61M to fit comfortably in your palm or shirt pocket.



With the supplied 1900 mAh (typ.) Lithium-ion battery pack, BP-274, the IC-F61M provides stable output power and a practical 9–10 hours* of operating time.

* Typical operation; Tx:Rx:Stand-by duty cycle=5:5:90

Built-in signalings

Without installing an optional logic board, the IC-F61M has 5-Tone, CTCSS, DTCS signaling capabilities* for group communication or selective calling.

* Ask your dealer for programming these signalings.

700 mW audio output power

The IC-F61M uses the BTL (bridge-tied load) amplifier that doubles the audio output. As a result, it delivers 700 mW of loud audio*.

* Internal speaker only.

Vibration alert function

When a pre-programmed 5-Tone signal is received, the vibration alert function alerts you by vibrating the radio. The vibration patterns are also programmable (4 patterns \times one time/repeat).

Max. 8 minute voice recorder

The built-in the voice recorder records incoming calls up to a maximum of 8 minutes (Or up to 48 calls of 10 sec. recording time). When a pre-programmed 5-Tone signal is received, the voice recorder automatically starts recording the message.



IC-F61N

ADDITIONAL FEATURES

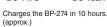
- 2-step low battery alert
- · Priority scan and dual priority scan
- Mode dependent scan
- Lone worker function
- Optional waterproof speaker microphone, HM-169 (IP57)
- Built-in audio compander
- Optional VOX headset available
- BTL only version (no vibration alert and no voice recorder) and BTL/ Vibration alert version (no voice recorder) available*
 - * Not available in some countries.

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



BP-226 BP-274 Rechargeable Li-ion Battery case for 1800 mAh (min.) 1900 mAh (typ.) five LR6 (AA)



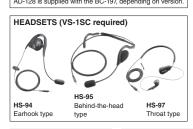




Rapidly charges the BP-274 in 2–2.5 hours. (approx.)



















SPECIFICATIONS

	IC-F61M	
GENERAL		
Frequency coverage	457.525-467.575 MHz	
Usable channels	9 UHF onboard channels (25 kHz channel)	
Type of emission	16K0G3E	
Channel spacing	25 kHz	
Power supply requirement	7.2 V DC nominal	
Current drain (approximate) Tx at 2 W/0.2 W ERP output Rx Max. audio	1.0 A /0.4 A 500 mA/ 300 mA (Internal SP/Extrenal SP)	
Stand-by	85 mA	
Antenna impedance	50 Ω (SMA type)	
Operating temperature range	−20 °C to +55 °C	
Dimensions (W × H × D) (Projections not included)	$56\times97\times35.2$ mm (With BP-274)	
Weight (approximate)	278 g (With BP-274)	
TRANSMITTER		
Output power (at 7.2 V DC)	2W ERP/0.2W ERP	
Max. frequency deviation	±5.0 kHz	
Frequency stability	±1.5 kHz	
Spurious emissions	0.25 μW (≤2 GHz)	
Adjacent channel power	70 dB	
Audio harmonic distortion	3% typ. (AF 1 kHz, 40% deviation)	
Limiting character of modulation	60-100% of Max. deviation	
RECEIVER		
Sensitivity (at 20 dB SINAD)	−4 dBµ typ. emf	
Adjacent channel selectivity	73 dB typ.	
Spurious response	70 dB	
Intermodulation	70 dB typ.	
Hum and noise	55 dB typ.	
Audio output power	700 mW/500 mW typ.	
(at 5% distortion with 8 Ω load)	(Internal SP/Extrenal SP)	
External speaker connector	9-pin multi connector/8 Ω	

Measurements made in accordance with EN300 720*2. All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications & IP Rating

Standard	MIL 810 F		
	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		
Water	IP67 (Dust-tight and waterproof protection)	

Supplied accessories:

• Battery pack, BP-274 • Antenna, FA-S27U • Belt clip, MB-98 • Key sticker (* Varies according to version.)

www.icom.co.jp/world

FA-S57US: 450-490 MHz, 70 mm STANDARD ANTENNA

FA-S27U: 400-470 MHz

*1 BC-123SE/BC-147SE for Europe plug. BC-123SUK for UK plug.

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Icom America Inc.

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

Icom Canada

Glenwood Centre #150-6165 Highway 17A, Delta, B.C., V4K SBB, Canada Phone: +1 (604) 952-4266 Fax: +1 (604) 952-090 E-mall: info® icomcanada.com URL: http://www.icomcanada.com

Icom Brazil

Rua Itororó, 444 Padre Eustáquio Belo Horizonte MG. CEP: 30720-450, Brazil Phone: +55 (31) 3582 8847 +55 (31) 3582 8987

Icom (Europe) GmbH

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

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 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 (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

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

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

Icom New Zealand

39C Rennie Drive, Airport Oaks, Auckland, New Zealand Phone: +64 (09) 274 4062 Fax: +64 (09) 274 4708 E-mail: 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

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