

# IC-M601



Rugged  
**MIL-STD 810**

**Waterproof**  
1m depth for 30 minutes

## High Performance, Full Function VHF Marine

### Built-in ITU Class-D DSC

An independent receiver continuously watches Ch. 70, while using another channel. Further, a single antenna connector allows VHF and Ch. 70 operation, thus simplifying installation. The 10-key pad allows simple and efficient operation of the DSC emergency functions, vital for your safety at sea.

### Superior receiver performance

The IC-M601 has excellent receive specifications of more than 75dB for spurious response and intermodulation rejection. With such high level performance, received calls are remarkably clear and free from noise. The powerful audio output from the front facing speaker further increases the clarity of received calls.

### Simultaneous connection of two COMMANDMIC™s

The optional COMMANDMIC™ provides a 2nd and/or 3rd station capability and an intercom function. With slim dimensions and a sizable LCD, the COMMANDMIC™ offers the ease and convenience of operating the radio from remote locations such as the cockpit or tower up to a max. 21.3m\* from the IC-M601.

\* Requires use of optional OPC-999 extension cables.

### NMEA Input/Output

When connected to a GPS receiver, the IC-M601 indicates position data in seconds of accuracy. NMEA output allows you to plot other ships position data on a PC or navigation equipment.

### Large LCD with dot-matrix characters

The large dot-matrix display is designed for optimum readability in any lighting condition. With the extra large font, the channel number is maximized on the display, and other information can also be easily read.

### 22 Watt 2-way Hailer capability

When connected to a hailer horn, communication with other boats, Deck or Dock hands is easy. The built-in amplifier increases talk power to 22W making your message loud and clear. Quickly access the hailer via the generously-sized, backlit keypad.

### Waterproof construction

The IC-M601 including the supplied/optional microphone has effective waterproof equivalent to JIS Grade 7\*.

\* Equivalent to JIS Grade 7 or IPX7 of the corresponding International Standard IEC 529 (1989). 1m depth for 30 minutes; except cables.

▲ Optional COMMANDMIC™, HM-134B

## ADDITIONAL FEATURES

- Auto fog horn function with four selectable patterns
- Detachable water resistant 'Smart-speaker-microphone'
- Dual/tri-watch function
- Instant access to Ch. 16 and call channel
- 7 levels adjustable backlit display and keypad
- 4x8 inch flush mount design
- Convenient "TAG" scanning function with simple add/delete
- Optional Voice Scrambler, UT-112 for private communication

## SPECIFICATIONS

### GENERAL

- Frequency range : Tx 156.000–161.450MHz  
Rx 156.000–163.425MHz
- Mode : 16K0G3E (FM)  
16K0G2B (DSC)
- Usable channels : All International and U.S.A. channels\*  
(\* Varies according to version.)
- Power supply requirement:  
13.8V DC ±15%
- Current drain (at 13.8V DC):  
Transmit 5.5A typ. (at 25W output)  
Receive 1.5A typ. (at max. AF)
- Operating temp. range: -20°C to +60°C
- Antenna impedance : 50Ω (SO-239)
- Dimensions : 220(W)×110(H)×109.4(D) mm  
(proj. not included)
- Weight (approx.) : 1.35kg

### TRANSMITTER

- Output power : 25W or 1W (at 13.8V DC)
- Frequency error : ±0.3kHz
- Max. Freq. deviation: ±5.0kHz
- Spurious emissions : Less than 0.25μW
- Residual modulation: More than 40dB
- Audio harmonic distortion: Less than 10% (at 1kHz, 60% deviation)

### RECEIVER

- Intermediate freq. : 1st 30.15MHz, 2nd 450kHz  
Ch. 70 receiver 1st 21.70MHz, 2nd 450kHz
- Sensitivity : -5dBμ typ. (emf: at 20dB SINAD)
- Squelch sensitivity : -5dBμ typ. (emf)
- Adjacent channel : More than 75dB selectivity
- Spurious response : More than 75dB
- Intermodulation : More than 75dB
- Hum and noise : More than 45dB

- Audio output power : 2W  
(at 10% distortion with a 4Ω load)
- GPS interface : NMEA0183 Ver. 2.0 or 3.01

### Applicable U.S. Military Specifications

Standard	MIL 810 C		MIL 810 D		MIL 810 E		MIL 810 F	
	Method	Proc.	Method	Proc.	Method	Proc.	Method	Proc.
Low Pressure	500.1	I	500.2	I, II	500.3	I, II	500.4	I, II
High Temp.	501.1	I	501.2	I, II	501.3	I, II	501.4	I, II
Low Temp.	502.1	I	502.2	I, II	502.3	I, II	502.4-3	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I	503.4	I
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III
Humidity	507.1	I, II	507.2	II, III	507.3	II, III	507.4	-
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	-
Dust	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I, IV

### Supplied accessories:

- Hand microphone
- DC power cable
- Mounting bracket kit

Measurements made in accordance with EN 301 025.

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

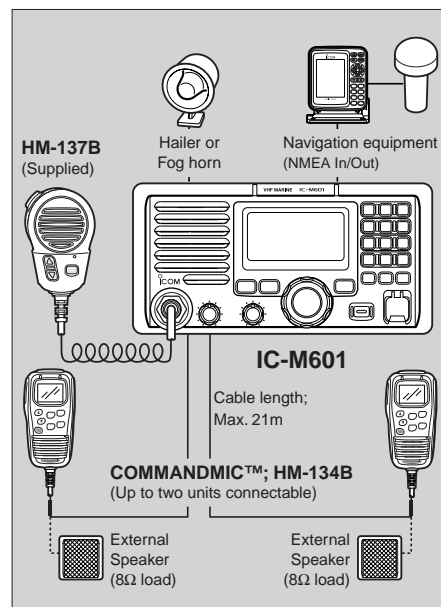
## OPTIONS

- **MB-75 FLUSH MOUNT KIT**  
For flush-mounting the IC-M601 to a flat surface such as a control panel.
- **HM-137B SMART-SPEAKER-MICROPHONE**  
Detachable waterproof speaker microphone. Same as supplied.
- **UT-112 VOICE SCRAMBLER UNIT**  
Enables private communication by scrambling your voice signal. Up to 32 scrambling codes are available. Not available in some countries.
- **OPC-999 EXTENSION CABLE FOR HM-134B**  
6.1 m of extension cable for additional separation length when using the COMMANDMIC™.
- **HM-134B REMOTE-CONTROL MICROPHONE**  
Up to 21.3m of freedom from the IC-M601 with two OPC-999, extension cables. Its sizable LCD offers ease and convenience of operation from remote locations. You can talk with the IC-M601 as an intercom. When connected to an external speaker, provides 2.0W of audio output power with an 8Ω load. DSC, hailer and fog horn operation are not possible.  
Dimension (proj. not incl.) : 63.5(W)×125.0(H)×31.4(D)mm  
Weight : 265g  
Supplied accessories :  
• Mounting base for cable connector  
• OPC-1000 (6.1m cable) • Mic. hanger

COMMANDMIC is a trademark of Icom Inc.



## SYSTEM OVERVIEW



Icom Inc. 1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013 URL: <http://www.icom.co.jp/world/index.html> **Count on us!**

### Icom America Inc.

2380 116th Avenue NE,  
Bellevue, WA 98004, 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 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>

### Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay,  
Kent, CT6 8LD, 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>

### 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>

### 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 (Europe) GmbH

Communication Equipment  
Himmelgeister Str. 100,  
D-40225 Düsseldorf, Germany  
Phone : +49 (0)211 346047  
Fax : +49 (0)211 333639  
E-mail : [info@icom-europe.com](mailto:info@icom-europe.com)  
URL : <http://www.icomeurope.com>

### Icom France S.a

Zac de la Plaine, 1,  
Rue Brindejonc des Moulinais BP 5804,  
31505 Toulouse Cedex, 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>

### Beijing Icom Ltd.

10C07, Long Silver Mansion, No.88, Yong Ding  
Road, Haidian District, Beijing, 100039, China  
Phone : +86 (010) 5889 5391/5392/5393  
Fax : +86 (010) 5889 5395  
E-mail : [bjicom@bjicom.com](mailto:bjicom@bjicom.com)  
URL : <http://www.bjicom.com>

### Icom (Australia) Pty. Ltd.

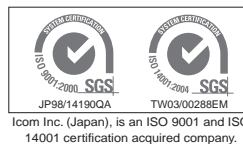
A.B.N. 88 006 092 575  
Unit 1 / 103 Garden Road,  
Clayton VIC 3168 Australia  
Phone : +61 (03) 9549 7500  
Fax : +61 (03) 9549 7505  
E-mail : [sales@icom.net.au](mailto:sales@icom.net.au)  
URL : <http://www.icom.net.au>

### Icom Spain S.L.

Ctra. de Gracia a Manresa Km. 14,750  
08190 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

Sopot, 3 maja 54, Poland  
Phone : +48 (58) 550 7135  
Fax : +48 (58) 551 0484  
E-mail : [icomspolska@icomspolska.com.pl](mailto:icomspolska@icomspolska.com.pl)  
URL : <http://www.icomspolska.com.pl>



Your local distributor/dealer:

**Point electronics**

A- 1060 Wien, Stumpergasse 41 - 43

Tel.: +43/ 1/ 597 08 80/0 FAX: DW 40

[www.point.at](http://www.point.at) [mail@point.at](mailto:mail@point.at)