



VHF MARINE TRANSCEIVER

# IC-M72



## The radio with MORE :

- More Power (6 Watts)
- More Waterproof (IPX8)
- More Form Factor  
(Easy to hold and operate)
- More Convenience  
(Hands-free with internal VOX\*)

\*Optional headset required



### Compact Body, Great "Form Factor"

A compact design, hourglass body-shape and comfortable side grips give the IC-M72 an outstanding "form factor"—it's easy to use with just one hand!

### Highest available power! 6 Watts

The IC-M72's 6 Watts\*<sup>1</sup> of transmit power can carry a conversation a long way. A large capacity 2000mAh (typ.) Lithium-Ion battery allows for 15–16 hours of operation, under normal conditions\*<sup>2</sup>.

\*<sup>1</sup> 5W for Australia version, \*<sup>2</sup> 5% Transmit, 5% Receive, 90% Stand-by

### Impressive Force5Audio

The M72's impressive audio output (600mW typ.\*) is loud enough to hear in most any marine environment — even over loud engine noise. (\* 10% distortion, 8Ω load)

### Submersible PLUS (IPX8)

The IC-M72 offers Icom's best-ever protection against water intrusion. This radio has been tested to survive after being submersed in 1.5m (4.9ft) depth of water for 30 minutes.

### Wide Viewing Angle LCD

A wide viewing angle, high intensity LCD is used in the IC-M72, offering bright, easy to read characters. The bright LCD backlighting and backlit keypad is great for night time operation.

### 30% Shorter Antenna

The IC-M72's antenna is engineered to perform with typical Icom efficiency even though it is nearly 30%\* shorter than previous Icom marine antenna.

\* IC-M72's antenna length is 115mm; 4<sup>17</sup>/<sub>32</sub> in.

Icom Inc.

**Additional features**

- Auto scan function to start scanning when receiving no signal
- Auto power save function
- Battery indicator shows remaining battery power in 4 levels
- With one of Icom's optional headsets and the OPC-1392, the IC-M72 offers hands-free operation

- Auto WX scan and WX Alert function
- Simple add/delete TAG scanning operation
- Built-in UT-112 compatible voice scrambler (Depending on version)
- AquaQuake draining function emits a vibrating sound and clears water away from the speaker grill

**SPECIFICATIONS**

**GENERAL**

- Frequency range :
  - Tx 156.025–157.425MHz
  - Rx 156.050–163.275MHz
- Usable channels : USA, INT, CAN\*, WX channels (\* Depending on version)
- Type of emission : 16K0G3E (FM)
- Current drain (at 7.5V DC) :
  - Tx 6W output 1.7A typical
  - 5W output 1.5A typical
  - Rx Internal SP 400mA typical (AF Max.)
  - External SP 200mA typical (AF Max.)
- Operating Temp. range : -20°C to +60°C; -4°F to +140°F
- Antenna impedance : 50Ω (SMA)
- Dimensions (W×H×D) : 52.5×125×30 mm; (projections not included) 2<sup>1</sup>/<sub>16</sub>×4<sup>9</sup>/<sub>32</sub>×1<sup>3</sup>/<sub>16</sub> in
- Weight (approx.) : 280g; 9.9oz (with BP-245N)

Measurement made in accordance with TIA/EIA-603. All stated specifications are subject to change without notice or obligation.

**TRANSMITTER**

- Output power (Hi/Mid/Low): 6/3/1W
- Australia version 5/3/1W
- Max. frequency deviation: ± 5.0kHz
- Frequency error : ± 10ppm
- Spurious emissions : -68dBc typical
- Adjacent channel power : 70dB
- Hum and noise ratio : 40dB
- Audio harmonic distortion : Less than 10% (at 60% mod.)

**RECEIVER**

- Sensitivity (12dB SINAD) : 0.22μV typical
- Squelch sensitivity : 0.35μV typical (at threshold)
- Adjacent channel selectivity: 70dB typical
- Spurious response : 70dB typical
- Intermodulation rejection : 70dB typical
- Hum and noise ratio : 40dB

- Audio output power (at 10% distortion with an 8Ω load) :
  - Internal SP 0.6W typical
  - External SP 0.35W typical

- Supplied accessories:** (\* Depending on version)
- Battery pack, BP-245
  - AC adaptor, BC-147\*
  - Antenna, FA-S64V
  - Battery charger, BC-166
  - Belt clip, MB-103
  - Hand strap

**Applicable U.S. Military Specifications**

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	506.4	I, III
Humidity	507.4	--
Salt Fog	509.4	--
Dust Blowing	510.4	I
Immersion	512.4	I
Vibration	514.5	I
Shock	516.5	I, IV

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

**OPTIONS**

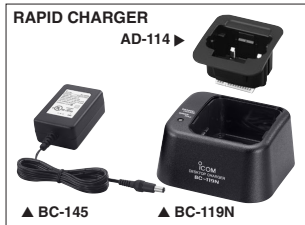
Some options may not be available in some countries. Please ask your dealer for details.



**BP-245N** Li-Ion BATTERY PACK  
7.4V, 1900mAh (min.), 2000mAh (typ.). Provides 15–16 hours\* operating time (approx.). Same as supplied. \*(Tx (Hi): Rx: standby=5:5:90).



**BC-166** DESKTOP CHARGER + **BC-147\*\*** AC ADAPTER  
Regularly charges the battery pack, BP-245N in 11–12 hours (approx.). Same as supplied.

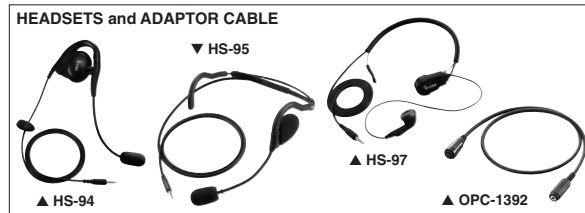


**BC-119N** DESKTOP CHARGER + **AD-114** CHARGER ADAPTER + **BC-145\*\*** AC ADAPTER  
For rapid charging of a battery pack. Charging time: 3–4 hours. (approx.)



**BC-121N** MULTI-CHARGER + **AD-114** CHARGER ADAPTER + **BC-157S** AC ADAPTER  
For rapid charging of up to 6 battery packs (Six AD-114s are required). Charging time: 3–4 hours. (approx.)

**OPC-656** DC POWER CABLE (12–16 V DC required)



**HS-94** : Earhook headset with flexible boom microphone.  
**HS-95** : Behind-the-head headset with flexible boom microphone.  
**HS-97** : Throat microphone fits around your neck and picks up speech vibrations.  
**OPC-1392** : Required when using these headsets. These headsets are not waterproof.

Force5audio is a trademark of Icom Inc. (Japan) in the U.S.A.



**HM-167** : Waterproof speaker-microphone equivalent to IPX8.



**CP-23L** : CIGARETTE LIGHTER CABLE WITH NOISE FILTER  
**OPC-515L** : DC POWER CABLE  
For use with the battery charger, BC-119N, instead of the AC adapter. (12–16 V DC required)



**MB-86** : Swivel-type.  
**MB-103** : Alligator-type.

**ANTENNAS**  
**FA-S64V**: 115mm antenna.

**Icom Inc.**

1-1-32, Kami-minami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013 [www.icom.co.jp/world](http://www.icom.co.jp/world)

**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.**

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](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>

Your local distributor/dealer:

**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  
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](mailto: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](mailto: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](mailto:sales@icom.net.au)  
URL : <http://www.icom.net.au>

**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](mailto:icom@icomspain.com)  
URL : <http://www.icomspain.com>

**Icom Polska**

81-850 Sopot, ul. 3 Maja 54, Poland  
Phone : +48 (58) 550 7135  
Fax : +48 (58) 551 0484  
E-mail : [icompolksa@icompolksa.com.pl](mailto:icompolksa@icompolksa.com.pl)  
URL : <http://www.icompolksa.com.pl>