



VHF MARINE TRANSCEIVER

IC-M92D

The World's First Active Noise Cancelling Handheld with DSC, GPS and MOB



New Intuitive User Interface

The new menu system provides easy and intuitive operation. The bottom line of the display shows the software key functions which can be toggled with the left and right buttons.



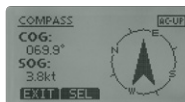
Active Noise Cancelling

The built-in bidirectional active noise cancelling reduces background noise to up to 90% and improves both your transmitted voice and incoming call. Hear and be heard more clearly.



Built-in GPS

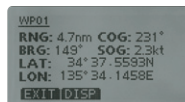
The built-in high sensitivity GPS receiver shows your current position and can be used for DSC calls. The MOB (Man overboard) function keeps the position of the incident.



Compass



Navigation to a waypoint



Built-in DSC for Handheld

The IC-M92D has DSC functions which includes distress, individual, group, all ships, urgency, safety and DSC test calls.



Float'n Flash

The IC-M92D floats in the water in the face-up position and lets you know where it is with the LCD flashing and audible "beep alarm" feature as an aid for retrieval in the dark.



700mW (typ.) Loud Audio

The large speaker delivers 700mW (typ.) of loud and intelligible audio even in noisy environments.



Desktop Charger and Cigarette Lighter Cable Supplied

The cigarette lighter cable and desktop charger are supplied to charge the battery pack.

Additional features

- Optional submersible speaker-microphone, HM-167
- 50 waypoint memories
- AquaQuake™ draining function
- Weather channel receive with alert function (USA version only)

- Dual/Tri-Watch function for monitoring Ch. 16 and/or call channel
- Battery indicator shows remaining battery power in 4 levels
- Favorite channel function

SPECIFICATIONS

GENERAL		
Frequency range	Tx Rx	156.025–157.425MHz 156.050–163.275MHz
Usable channel groups		INT, USA, CAN, WX channels
Type of emission		16K0G3E (FM), 16K0G2B (DSC)
Current drain (at 7.4V DC)		
Tx 5W output		1.5A
Rx AF max.		500mA
Operating temp. range		–20°C to +60°C; –4°F to +140°F
Antenna impedance		50Ω
Dimensions (W×H×D)		61.2×141.4×43.2 mm; 2.41×5.57×1.7 in
(projections not included)		
Weight (approx.)		318g; 11.2oz (With BP-275, FA-SC59V, MB-109)
TRANSMITTER		
Output power (Hi/Low)		5W/1W
Max. frequency deviation		±5kHz
Frequency stability		±10ppm
Spurious emissions		–68dBc typ.
RECEIVER		
Sensitivity		0.25μV typ. (at 12dB SINAD)
Squelch sensitivity		0.35μV typ. (Threshold)
Adjacent channel selectivity		70dB typ.
Spurious response		70dB typ.
Intermodulation rejection		70dB typ.
Hum and noise ratio		40dB
Audio output power		700mW typ. (Internal SP)
(at 10% distortion, 8Ω load)		350mW typ. (External SP)
GPS (GPS Module Specifications)		
Receiver channels		48 channels
Sensitivity		Less than –146dBm
Time to first fix		36 sec. typ. (Cold start) 1 sec. typ. (Hot start)

Measurements made in accordance with TIA/EIA-603. 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
Immersion	512.5	I
Vibration	514.6	I
Shock	516.6	I, IV

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

Ingress Protection Standard	
Water	IPX7 (Waterproof protection)

OPTIONS

BATTERY PACK BP-275 Li-Ion 7.4V, 1500mAh  Provides 8 hours of operating time. (Typical operation with 5:5:90 duty ratio.)	REGULAR CHARGER  BC-147SA/SE BC-204 Charges the BP-275 in 9 hours (approx.).	RAPID CHARGER  BC-123SA/SE BC-205 Charges the BP-275 in 2.5 hours (approx.).
MULTI-CHARGER  BC-197 Charges up to six BP-275 in 2.5 hours (approx.). AD-124 is supplied with the BC-197, depending on version.	SPEAKER-MICROPHONE  HM-167	BELT CLIP  MB-109
CIGARETTE LIGHTER CABLES  CP-25 For use with BC-204 CP-23L For use with BC-205	DC POWER CABLES  OPC-515L For use with BC-205 OPC-656 For use with BC-197	LEATHER BELT HANGER  MB-96F

FA-SC59V ANTENNA
Same as supplied.

SUPPLIED ACCESSORIES



- AC adapter, BC-147SA/SE
- Cigarette lighter cable, CP-25
- Battery charger, BC-204
- Battery pack, BP-275
- Belt clip, MB-109
- Antenna, FA-SC59V
- Hand strap

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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

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
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
URL: <http://www.icom.co.nz>

Icom (UK) Ltd.

Blacksole House, Altira Park,
Horne Bay, Kent, CT6 6ZZ, 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>

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
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@icom-europe.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>

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 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 Polska

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