



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

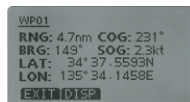
The built-in high sensitivity GPS receiver shows your current position and can be used for DSC calls. The MOB (Man overboard) function keeps the position of the incident.



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
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**

<p><b>BATTERY PACK</b></p> <p><b>BP-275</b> Li-Ion 7.4V, 1500mAh</p>  <p>Provides 8 hours of operating time. (Typical operation with 5:5:90 duty ratio.)</p>	<p><b>REGULAR CHARGER</b></p>  <p><b>BC-147SA/SE</b>      <b>BC-204</b></p> <p>Charges the BP-275 in 9 hours (approx.).</p>	<p><b>RAPID CHARGER</b></p>  <p><b>BC-123SA/SE</b>      <b>BC-205</b></p> <p>Charges the BP-275 in 2.5 hours (approx.).</p>	
<p><b>MULTI-CHARGER</b></p>  <p><b>BC-197</b></p> <p>Charges up to six BP-275 in 2.5 hours (approx.). AD-124 is supplied with the BC-197, depending on version.</p>	<p><b>SPEAKER-MICROPHONE</b></p>  <p><b>HM-167</b></p>	<p><b>BELT CLIP</b></p>  <p><b>MB-109</b></p>	<p><b>LEATHER BELT HANGER</b></p>  <p><b>MB-96F</b></p>
<p><b>CIGARETTE LIGHTER CABLES</b></p>  <p><b>CP-25</b> For use with BC-204      <b>CP-23L</b> For use with BC-205</p>	<p><b>DC POWER CABLES</b></p>  <p><b>OPC-515L</b> For use with BC-205      <b>OPC-656</b> For use with BC-197</p>	<p><b>FA-SC59V ANTENNA</b> Same as supplied.</p>	

**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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