

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



NEW INTERFACE

### 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 CANCEL

### Active Noise Cancelling

Built-in bi-directional active noise cancelling reduces background noise by up to 90% improving both your transmitted voice and incoming calls... hear and be heard more clearly.



GPS

### Built-in GPS and (MOB) Man OverBoard function

The built-in high sensitivity GPS receiver shows your current position and can be used for DSC calls. The GPS provides waypoint/compass functions allowing a boat to steer to waypoints within a route.



Compass



Waypoint Navigation



EXTI DISP

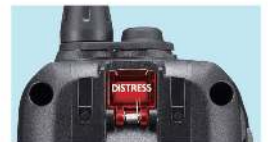
A Man OverBoard (MOB) function allows you to record current time and position of the MOB, allowing you to navigate back to the position where the MOB was recorded. These features, dependant on the size of your vessel, could provide a central or back-up navigation tool.



BUILT-IN CLASS D DSC

### Built-in DSC for Handheld

The DSC function includes; distress, individual, group, all ships, urgency, safety and DSC test calls.



FLOAT 'N' FLASH

### Float 'n' Flash

The IC-M91D 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.



LOUD AUDIO

### 700mW Loud Audio

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

**Additional features:**

- Optional HM-167 waterproof speaker-microphone
- 50 waypoint memories
- AquaQuake™ draining function

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

**General**

Frequency range:	Tx: 156.000~161.450MHz Rx: 156.000~163.425MHz
Usable channel groups:	INT channels
Type of emission:	16K0G3E (FM) 16K0G3B (DSC)
Current drain (at 7.4V.DC)	
Tx - 5W output:	1.5A
Rx - AF Max:	500mA
Operating temp. range:	-15°C to +55°C
Antenna impedance:	50 ohms
Dimensions: (W x H x D) (Projections not included)	61.2 x 141.4 x 43.2 mm
Weight (approx):	318g (With BP-275, FA-SC59V, MB-109)

**Transmitter**

Output power: (Hi/Low)	5W/1W
Max. frequency deviation:	±5kHz
Frequency stability:	±1.5kHz
Spurious emissions:	0.25µW

**Receiver**

Sensitivity: (at 20db SINAD)	-4dBµ emf. typ.
Squelch sensitivity:	-5dBµ emf. typ. (at threshold)
Adjacent channel selectivity:	70dB
Spurious response:	70dB
Intermodulation rejection:	68dB
Hum and noise ratio:	40dB
Audio output power:	700mW typ. (Internal SP @ 1kHz) 200mW (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 EN302-885-1. 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)
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<p><b>BATTERY PACK</b></p>  <p>BP-275 Li-Ion 7.4V. 1500mAh</p>	<p><b>REGULAR CHARGER</b></p>  <p>BC-01 BC-204</p>	<p><b>RAPID CHARGER</b></p>  <p>BC-06 BC-205</p>
<p><b>MULTI-CHARGER</b></p>  <p>BC-197 BC-157S</p>	<p><b>SPEAKER MICROPHONE</b></p>  <p>HM-167</p>	<p><b>BELT CLIP</b></p>  <p>MB-109</p>
<p><b>LEATHER BELT HANGER</b></p>  <p>MB-96F</p>	<p><b>CIG. LIGHTER CABLES</b></p>  <p>CP-25 For use with BC-204 CP-23L For use with BC-205</p>	<p><b>DC POWER CABLES</b></p>  <p>OPC-515L For use with BC-205 OPC-656 For use with BC-197</p>

**IC-M91D is supplied complete with:**

- BC-01 AC adaptor
- BC-204 Battery charger
- BP-275 Battery pack
- MB-109 Belt clip
- FA-SC59V Antenna
- Hand strap

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Count on us!