



VHF MARINE TRANSCEIVER with DSC

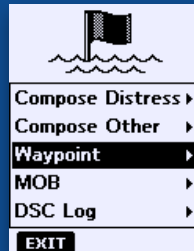
IC-M93D

World's Slimmest Floating DSC Radio



2.3" Large High Visibility LCD

2.3" large, high contrast and full dot-matrix LCD ensures good readability under direct sunlight. Large compass screens and large character size provide at-a-glance information.



Pop-up window for position check



Navigation screen



Slimmest* Floating DSC Radio

By adopting a flat sheet keypad, at 38.5mm (1.52in) the IC-M93D is the slimmest floating DSC handheld radio at the market. The comfortable fit in your palm enhances the ease of use.

* As of June 2016, researched by Icom.



Intuitive User Interface

For an operator not familiar with DSC radio operation, the combination of the four directional keypad and software keys provides straight-forward operation of all functions.



Built-in Class D DSC

A dedicated DSC receiver continuously monitors CH70. Distress calls can be made with the rear panel button.



Distress button



Float'n Flash and MOB Auto Set Function

The IC-M93D floats and flashes on the water. At that time, the radio automatically switches to the Man Overboard distress call mode which can then be made by pressing and holding the distress button.



INTEGRATED
GNSS
RECEIVER



ACTIVE
NOISE
CANCEL



9 HOURS
LONG
BATTERY



Integrated GNSS Receiver

The integrated GNSS receiver provides your location, bearing and speed with fast-setup time and pinpoint accuracy by using information from GPS, GLONASS, QZSS and SBAS.

Active Noise Canceling

Active Noise Canceling digitally removes background noise from both transmit and receive audio and provides clear communication in a noisy maritime environment.

9 Hours* Long Battery Life

The IC-M93D provides 9 hours* of long battery life while continuously monitoring CH70.

* Typical operation with Tx: Rx: standby = 5: 5: 90 (Power save: ON)

Other Features

- IPX7 submersible (1m depth of water for 30 minutes)
- Navigation function from current position to the specified waypoint
- 50 waypoint memories with alphanumeric name for Navigation
- Weather channel receive with alert function (depending on version)
- Dual/Tri-watch function for monitoring CH16 and/or call channel
- Battery indicator shows remaining battery power in four levels
- Favorite channel function for quick access to often used functions
- AquaQuake™ draining function clears water away from the speaker grill

OPTIONS

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

BATTERY PACK



BP-285
Li-ion 7.2V,
1485mAh (min.), 1570mAh (typ.)
Provides 9 hours of operating time.
(Typical operation with 5:5:90 duty ratio.)

RAPID CHARGER



BC-123SA BC-220
Charges the BP-285 in 2.5 hours
(approximately).

MULTI-CHARGER



BC-214
Charges up to six BP-285 in 3 hours (approx.).
* AD-133 is supplied with the BC-214, depending on version.

SPEAKER-MICROPHONES



HM-228 HM-165
IPX7 compact type. IPX7 rugged type.

LEATHER BELT HANGERS



MB-96FL MB-96F
Long fixed type. Fixed type.

CIGARETTE LIGHTER CABLE



CP-25
For use with BC-220.

ANTENNA
FA-SC59V
Same as supplied.
BELT CLIP
MB-133
Same as supplied.

SPECIFICATIONS

GENERAL		
Frequency range	Tx Rx Rx (CH70)	156.025–157.425MHz 156.050–163.275MHz 156.525MHz
Usable channel groups		INT, USA*, CAN, WX* channels * Available depending on version
Type of emission		16K0G3E (FM), 16K0G2B (DSC)
Current drain (at 7.2V DC)	Tx (5.0W/1.0W output) Rx (Inter SP/Exter SP Max. audio)	1.5A/700mA (approx.) 450mA/250mA (approx.)
Operating temperature range		–20°C to +60°C; –4°F to +140°F
Antenna impedance		50Ω
Dimensions (W×H×D) (projections not included)		57.0×144.6×38.5mm; 2.24×5.69×1.52in
Weight (approximately)		300g ; 10.58oz (With BP-285, FA-SC59V, MB-133)

TRANSMITTER	
Output power (Hi/Low)	5W/1W
Max. frequency deviation	±5kHz
Frequency stability	±10ppm
Spurious emissions	–68dBc typical

RECEIVER	
Sensitivity (at 12dB SINAD)	0.25μV typical
DSC receiver (at 1% BER)	0.56μV emf typical
Squelch sensitivity (Threshold)	0.25μV typical
Adjacent channel selectivity	70dB typical
DSC receiver (at 1% BER)	73dBμ emf typical
Spurious response	70dB typical
DSC receiver (at 1% BER)	73dBμ emf typical
Intermodulation	70dB typical
DSC receiver (at 1% BER)	68dBμ emf typical
Hum and noise	40dB
Audio output power	Internal SP 900mW typical (12Ω load) External SP 350mW typical (8Ω load)

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

	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)

Supplied accessories:

- AC adapter, BC-123SA*
- Battery charger, BC-220
- Battery pack, BP-285
- Cigarette lighter cable, CP-25H*
- Belt clip, MB-133
- Antenna, FA-SC59V
- Hand strap
- * Not supplied or may differ depending on version.

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