ICOM

IC-M94DE

VHF MARINE TRANSCEIVER WITH DSC & AIS RECEIVER



AIS Traffic Info, Now in Your Hand

- AIS Receiver and Class-H DSC in One Package

AIS screen

DSC ACK screen

- 6 W* RF Output Power
  * 5 W for AUS version.
- Class-Leading 1500 mW Audio
- Simplified Navigation Function
- 10 Hours (approx.) of Operating Time*
  * Typical operation with TX: RX: Standby= 5: 5: 90 duty ratio when the Power save function is ON.
- Float'n Flash and MOB Auto Set Functions

AIS Receiver and DSC in One Marine Handheld

AIS receiver and DSC function add further assurance to your safety at sea. The integrated AIS receiver displays vessel traffic information on the screen. The AIS target call function allows you to easily set up a DSC individual call. Distress calls can be made with the rear panel Distress button.



DISTRESS button

6 W RF Output Power and 10 Hours of Operating Time

The IC-M94DE's 6 watts*[1] of transmit power provides extended communication range for the user. The supplied BP-306 high capacity 2400 mAh (typical) Li-ion battery, provides 10 hours of operating time, under normal conditions*[2].

* [1] 5 W for AUS version

* [2] Approximate, typical operation with TX: RX: Standby= 5: 5: 90 duty ratio when the Power save function is ON.

Class-Leading 1500 mW Audio Output

Icom's custom high-power capacity speaker delivers a loud 1500 mW (typical) audio output with improved acoustic sound clarity for noisy maritime environments.

Simplified Navigation Function

The Navigation function guides you to a specified waypoint. You can assign up to 50 favourite fishing spots or destinations as waypoints.



Navigation screen

Float'n Flash and MOB Auto Set Functions

If the IC-M94DE falls into the water, it will float and the LCD screen, keys and rear panel Distress button will flash helping you to retrieve it. Pressing the distress button while the Float'n Flash is working will transmit the MOB distress signal.

And More

- Integrated GPS receiver • Active noise cancelling technology
- IPX7 waterproof (1 m depth of water for 30 minutes)
- Dualwatch and Tri-watch functions
- Favourite channel function • Supports 4-digit channels
- AquaQuake™ prevents audio degradation from a water-logged speaker

OPTIONS

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

RECHARGEABLE Li-ion BATTERY PACK



BP-306
Li-ion 7.2 V,
2280 mAh (minimum)
2400 mAh (typical)

Provides 10 hours* of operating time. Same as supplied.
* Approximate, Typical operation with 5:5:90 (Power save ON)

DESKTOP CHARGER



BC-251
Charges the BP-306 (in the radio) in 3.5 hours (approx.). Same as supplied.

AC ADAPTER



BC-242
Use with BC-251

SPEAKER-MICROPHONES



HM-228
IPX7 compact type

HM-165
IPX7 rugged type. Floats in water with the radio.

LEATHER BELT HANGERS



MB-96FL
Long fixed type

MB-96F
Fixed type

CIGARETTE LIGHTER CABLE



CP-25H
For use with BC-251

ANTENNA
FA-SC59V
Same as supplied

BELT CLIP
MB-133
Same as supplied

SPECIFICATIONS

GENERAL		
Frequency range	TX	156.000–161.450 MHz
	RX	156.000–163.425 MHz
	DSC	156.525 MHz
	AIS (RX)	162.025 MHz
Usable channel groups		INT, USA* and ATIS* channels * Available depending on version
Type of emission		16K0G3E (FM), 16K0G2B (DSC) 16K0GXW (AIS)
Current drain (at 7.2 V DC) TX (6 W/1 W output) RX (Inter SP/Exter SP Max. audio)		 1500 mA/700 mA (approx.) 700 mA/350 mA (approx.)
Operating temperature range		–15°C to +55°C
Antenna impedance		50 Ω
Dimensions (W × H × D) (projections not included)		60.9 × 145.8 × 43.8 mm
Weight (approximate)		357 g (With BP-306, antenna, MB-133)

TRANSMITTER	
Output power (Hi/Low)	6 W/1 W (5 W for AUS version)
Max. frequency deviation	±5 kHz
Frequency stability	±1.5 kHz
Spurious emissions	0.25 µW

RECEIVER		
Sensitivity (at 20 dB SINAD) DSC receiver (at 1% BER) AIS receiver (at 20% PER)		–6 dBµ emf typical –3 dBµ emf typical –107 dBm
Squelch sensitivity (Threshold)		–6 dBµ emf typical
Adjacent channel selectivity DSC receiver (at 1% BER)		70 dB 73 dBµ emf
Spurious response DSC receiver (at 1% BER)		70 dB 73 dBµ emf
Intermodulation DSC receiver (at 1% BER)		68 dB 68 dBµ emf
Hum and noise		40 dB
Audio output power (at 10% distortion)	Internal SP	1500 mW typical (8 Ω load)
	External SP	350 mW typical (8 Ω load)

Measurements made in accordance with EN302 885 and IEC62238. 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)

Supplied accessories:

- BP-306 battery pack
- BC-251 battery charger
- AC adapter*
- MB-133 belt clip
- Antenna
- Hand strap

* May differ depending on version.

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