O ICOM

VHF MARINE TRANSCEIVER

IC-M504



The Submersible PLUS Marine VHF with Class D

IC-M504

ГСОМ

Black version

IPX8 Submersible PLUS (1.5m depth for 30 minutes)





The IC-M504 withstands submersion in up to 1.5m depth of water for 30 minutes. It is equivalent to the IPX8 standard. All products are rigorously checked to pass the quality test at the factory.

Large LCD with dot-matrix characters

The IC-M504 has a 168-character, full dot-matrix display that allows you to easily view a variety of information, such as GPS data, DSC emergency data, etc. The large buttons and knobs provide user friendly operation.



▲ 37×73mm (1¹⁵/₃₂×2⁷/₈ in) size full dot-matrix display



ITU Class D DSC The IC-M504 has built-in



Class D DSC, which enables you to constantly monitor channel 70. This functionality provides users at sea with the peace of mind that they can call for help by pressing the "Distress" button if the need arises.

Position Request and Position Report

Over and above the DSC, your own and other ships' position data can be exchanged with the position request or position report functions. The received position information can be transferred to external navigation equipment*. In addition, the polling (request/reply) function checks whether a specific ship is within the communications range.

* External GPS receiver and navigation equipment which accepts NMEA 0183 format is required.

Superior receiver performance

The IC-M504 has excellent receive specifications of 80dB (typical) for intermodulation rejection and adjacent channel selectivity, and 0.22μ V (typical) high sensitivity. The IC-M504's superior receiver provides excellent resistance to intermodulation and allows you to catch a weak signal between strong stations.

Excellent audio output power



The extra large speaker is mounted into a wellspaced housing, producing greater sound than the specified 4.5W output power. You can get clear and loud reception without requiring repetition of the message, even over the engine or other background noise.

25W hailer/RX speaker and auto foghorn

When connected to a hailer horn or external speaker on the deck or tower, you can make an announcement on-board from the microphone.

The RX speaker function, "receiver-repeater", allows you to monitor the received audio. Four foghorn patterns are also available for the automatic foghorn.



Rear panel microphone version*

With this version, the microphone connector is drawn from the rear panel and a 6.1m (20ft) microphone extension cable is supplied to allow you clean and neat panel installation.

* Ask your dealer for details



Other features

- Dual/tri-watch function for monitoring Ch.16 and/or call channel
- Instant access to Ch. 16 and call channel
- 7 levels adjustable backlit display and keypad
- Convenient "TAG" scanning function
- Optional Voice Scrambler, UT-112 for private communication
- · Weather channels with weather alert function
- Black or gray color versions

Optional fully integrated COMMANDMICIII™

Full control 2nd station capability

The COMMANDMICIII™ is a remote control for the IC-M504 that may be positioned up to 18.3m (60ft) away from the IC-M504. All functions, including distress call, DSC, and foghorn, are available. The COMMANDMICIII™ may also be used as an intercom with the IC-M504.

Multi-function "Jog" dial

A newly designed multi-function Jog dial gives you quick and easy access to many M504 settings, including operating channel, volume, squelch, menu settings and more.

Other features

DSC

- Full dot-matrix LCD with 7-step dimmer setting
- · 2.8W (typical) external speaker terminal
- Submersible PLUS (1.5m depth for 30 minutes)
- Extra large 45mm (d) speaker for superior audio



COMMANDMICIII

Backlit keypad and "Distress" button on Jog dial the back of the unit

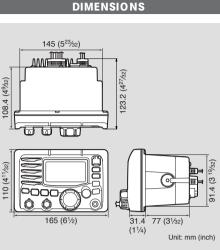
Optional COMMANDMICIII[™], HM-162SW ▶



SPECIFICATIONS

GENERAL	
Frequency range :	
Tx Rx	156.025–157.425MHz 156.050–163.275MHz
 Type of emission 	: 16K0G3E, 16K0G2B
Usable channels	: USA, INT, CAN, WX channels
Power supply requirer	nent: 13.8V DC ±15 %
Current drain (at 13.8V DC) :	
	5.5A (25W output) 1.5A (Max. AF)
Operating temperature range	: –20°C to +60°C ; –4°F to +140°F
 Antenna impedance 	: 50Ω (SO-239)
0 (11)	,
 NMEA formats Input Output 	: RMC, GGA, GNS, GLL DSC, DSE

	SMITTER
Output power Modulation system Max. Freq. deviation	
 Frequency error Spurious emissions Residual modulation Adjacent Ch. power 	: More than 40dB
RECEIVER	
Intermediate freq.	: 1st 21.7MHz 31.05MHz (Ch70) 2nd 450kHz
 Sensitivity 	: 0.22µV typ. (at 12dB SINAD)
 Squelch sensitivity Adjacent Ch. selectivity Spurious response Intermodulation Hum and noise 	: 80dB typ. (DSC 75dB typ.) : 80dB typ. (DSC 75dB typ.) : More than 40dB
 Audio output power 	: 4.5W typ. at 10% distor-



IC-M504

Supplied accessories: · Hand microphone · DC power cable Spare fuses Mounting bracket kit

Measurements made in accordance with TIA/EIA 603. All stated specifications are subject to change without notice or obligation.

MB-75

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

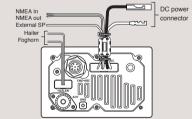


- HM-162B/SW REMOTE-CONTROL MICROPHONE Size (W×H×D): 65.5×150×38 mm; 219/32×529/32×11/2 in. Weight (approx.;except cables): 385g ; 13.6oz Supplied accessories
- . 6.1m (20ft) of cable, OPC-1540, with external speaker terminal
- Microphone hanger
- · Mounting base for cable connector

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6.1m (20ft) extension cable for use with COMMAND-MICIII™.

Rear panel view



KIT For flush-mounting the IC-M504 to a flat surface, such as a control panel.

UT-112 VOICE SCRAMBLER UNIT Provides up to 32 codes for private communication. **OPC-1541** EXTENSION CABLE FOR HM-162B/SW

tion with a 4Ω load

MB-75 FLUSH MOUNT



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