

**ICOM**

VHF MARINE TRANSCEIVER

# IC-M424

**Easy to Use and  
Even Easier to Hear!**

Optional COMMANDMIC™,  
HM-195B



**New Intuitive User Interface**



**Active Noise Cancelling**



**10W Loud Audio, Public Address and Foghorn**



**Optional COMMANDMIC™ HM-195B/SW for 2nd Station/Intercom**



**Built-in Class D DSC (Meets ITU-R M493-13)**



**IPX7 Submersible Protection (1m depth for 30 minutes)**



**Common NMEA Interface for GPS/NAV Connection**



**MarineCommander™ and MA-500TR compatible**



**AquaQuake™ Function**



Also available in super white version.

## New Intuitive User Interface

The new menu system provides easy and intuitive operation. The bottom line of the dot-matrix display shows the software key functions which can be toggled with the left and right buttons. The directional keypad allows you to perform various operations and settings.

## 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.

## 10W Loud Audio, Public Address and Foghorn

The IC-M424 has a built-in 10W amplifier that increases the audio output from additional external speaker. The public address function allows you to make an announcement from the microphone like a loud speaker, and the foghorn can also be emitted from the additional external speaker.

## Built-in Class D DSC

The built-in DSC watch function monitors Ch. 70 (DSC channel) activity, even while you are receiving another channel. DSC functions include: distress, individual, group, all ships, urgency, safety, position request/report, polling request and DSC test calls.

## Optional COMMANDMIC™ HM-195B/SW

The optional COMMANDMIC, HM-195B/SW makes it convenient for using the IC-M424 from a separate cabin or tower. All functions of the IC-M424 can be controlled from the COMMANDMIC and can be used as an intercom with the IC-M424.

## Common NMEA Interface

When connected to an external GPS receiver, current position and time are shown on the IC-M424's display. When receiving position information from another vessel, the IC-M424 can transfer it to a navigational device via NMEA 0183 connectivity.

## AIS Target Call with MA-500TR

When connected to the optional MA-500TR Class B AIS transponder, the AIS target call function allows you to make an individual DSC call without having to manually input a MMSI number.

## And More

- MarineCommander™ compatible
- AquaQuake™ draining function
- IPX7 submersible protection (1m depth for 30 minutes)
- Weather channels with alert function
- Dual/tri-function
- Priority and normal scan
- Black and super white versions available.

### Supplied accessories:

- Hand microphone, HM-196B/SW
- DC power cable
- Mounting bracket kit

## SPECIFICATIONS

GENERAL		
Frequency range	Tx Rx Ch. 70	156.025–157.425MHz 156.050–163.275MHz 156.525MHz
Usable channels		USA, CAN, INT, WX channels
Type of emission		16K0G3E, 16K0G2B
Power supply requirement		13.8V DC nominal (11.7–15.9V DC)
Current drain (at 13.8V DC)	Tx 25W output Rx AF max. (RX SP ON)	5.5A 5.0A (External speaker)
Operating temperature range		–20°C to +60°C; –4°F to +140°F
Antenna impedance		50Ω (SO-239)
Dimensions (W×H×D) (projections not included)		180×82×119.9mm; 7.09×3.23×4.72 in
Weight (approx.)		1.2kg; 2.65lb
NMEA in/out formats		RMC, GGA, GNS, GLL, DSC, DSE
TRANSMITTER		
Output power (at 13.8V DC)		25W, 1W
Max. frequency deviation		±5.0kHz
Frequency tolerance		±10ppm (–20°C to +60°C)
Spurious emissions		Less than –70dBc (High) Less than –56dBc (Low)
RECEIVER		
Intermediate frequency	Main Ch. 70	1st 21.7MHz, 2nd 450kHz 1st 30.875MHz, 2nd 450kHz
Sensitivity	Main Ch. 70	0.22μV typ. (12dB SINAD) –5dBμ emf typ. (1% BER)
Squelch sensitivity		Less than 0.32μV
Adjacent channel selectivity	Main Ch. 70	More than 70dB More than 73dBμ emf (1% BER)
Spurious response	Main Ch. 70	More than 70dB More than 73dBμ emf (1% BER)
Intermodulation	Main Ch. 70	More than 70dB More than 68dBμ emf (1% BER)
Hum and noise		More than 40dB
Audio output power (at 10% distortion, 4Ω load)		10W typical (Ext. Speaker)

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

### Applicable IP Rating

Ingress Protection Standard	
Water	IPX7 (Waterproof protection)

## OPTIONS

**COMMANDMIC™**

HM-195B (Black)  
HM-195SW (Super white)

**Supplied accessories**

- 6.1m (20ft) of cable
- Microphone hanger
- Mounting base for connector

**EXTENSION CABLE for COMMANDMIC, HM-195B/SW**

**OPC-1541**  
6.1m (20ft) extension cable.  
Up to two cables available.

**FLUSH MOUNT KIT**

**MB-132**

**CLASS B AIS TRANSPONDER**

**MA-500TR**

**HM-196B/SW SPEAKER-MICROPHONE**  
Same as supplied.

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