



VHF MARINE TRANSCEIVER

# IC-M424G

(With GPS Receiver)

## Active Noise Cancelling Technology and Built-in GPS for Simple Installation

Optional COMMANDMIC™, HM-195GB



**Built-in GPS Receiver Simplifies Installation**



**Active Noise Cancelling for Maximum Clarity**



**Icom Marine Family User Interface & White Backlit LCD & Keypad**



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



**Optional COMMANDMIC™ HM-195GB/GW 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

## Intuitive User Interface and White Backlit LCD and Keypad

Incorporating Icom's common Marine Family User Interface designed for simple, intuitive operation. A rotary selector and directional keypad provide quick and easy access to the intended functions. The high contrast white backlit LCD and laser-cut keypad match well with modern boat designs.

## Active Noise Cancelling

The built-in active noise cancelling provides superb performance. It reduces background noise up to 90% in the received signal and 30% in the transmits signal.

## 10W Loud Audio, Public Address and Foghorn

The IC-M424G has a built-in 10W amplifier that increases the audio output to an external PA speaker. The public address function allows you to make an announcement from the microphone like a loud speaker, the foghorn can also be emitted from the external PA 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.

## Built-in GPS Receiver

The built-in GPS receiver shows your current position, date/time and can be used for DSC calls. The GPS data source is selectable from internal and external GPS.

## Optional White Backlit COMMANDMIC™ HM-195GB/GW

The optional white backlit COMMANDMIC makes it convenient for using the IC-M424G from a separate cabin or tower. All functions of the IC-M424G can be controlled from the COMMANDMIC and can be used as an intercom with the IC-M424G.

## 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 an MMSI number.

## And More

- Simple remote control speaker-microphone, HM-205B/SW
- NMEA 0183 connectivity
- MarineCommander™ compatible
- AquaQuake™ draining function
- IPX7 submersible protection (1m depth for 30 minutes)
- Weather channels with alert function
- Dual/tri-watch function
- Priority and normal scan
- Black and super white versions available.

## 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. External SP Internal SP	5.5A 5.0A (RX SP ON) 1.5A
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		
Sensitivity (12dB SINAD)		–13dBμ typ.
Squelch sensitivity		Less than –10dBμ
Adjacent channel selectivity		More than 70dB
Spurious response		More than 70dB
Intermodulation		More than 70dB
Audio output power (at 10% distortion, 4Ω load)		10W typical (Ext. Speaker)
GPS RECEIVER		
Receiving frequency		1575.42MHz
Receiving channels		66 channels
Satellite differential type		WAAS, EGNOS, MSAS, GAGAN

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)

## Supplied accessories:

- Hand microphone, HM-205B/SW
- DC power cable
- Mounting bracket kit

## OPTIONS

<p><b>COMMANDMIC™</b></p>  <p>Supplied accessories</p>  <ul style="list-style-type: none"> <li>• 6.1m (20ft) of cable</li> <li>• Microphone hanger</li> <li>• Mounting base for connector</li> </ul> <p>HM-195GB (Black)</p> <p>HM-195GW (Super white)</p>	<p><b>EXTENSION CABLE for COMMANDMIC, HM-195GB/GW</b></p>  <p>OPC-1541</p> <p>6.1m (20ft) extension cable. Up to two cables available.</p>	<p><b>SPEAKER-MICROPHONE</b></p>  <p>HM-205B/SW</p> <p>Same as supplied.</p>	<p><b>FLUSH MOUNT KIT</b></p>  <p>MB-132</p>	<p><b>CLASS B AIS TRANSPONDER</b></p>  <p>MA-500TR</p>
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Amber backlit COMMANDMIC, HM-195B/HM-195SW are also available.

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