



# IC-M424G

(With GPS Receiver)

VHF MARINE TRANSCEIVER

## 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**



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



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



**MarineCommander™ and MA-510TR 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-510TR**

When connected to the optional MA-510TR 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
- Supports 4-digit channels

**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**

**COMMANDMIC™**



**Supplied accessories**



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

HM-195GB (Black)      HM-195GW (Super white)

Amber backlit COMMANDMIC, HM-195B/HM-195SW are also available.

**EXTENSION CABLE for COMMANDMIC, HM-195GB/GW**



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

**SPEAKER-MICROPHONE**



**HM-205B/SW**  
Same as supplied.

**FLUSH MOUNT KIT**



**MB-132**

**CLASS B AIS TRANSPONDER**



**MA-510TR**

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