



VHF MARINE TRANSCEIVER

# IC-M423G

(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 Waterproof 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-M423G 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-M423G from a separate cabin or tower. All functions of the IC-M423G can be controlled from the COMMANDMIC and can be used as an intercom with the IC-M423G.

**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 waterproof protection (1m depth for 30 minutes)
- Dual/tri-watch function for monitoring Ch.16 and/or call channel
- Priority and normal scan
- Black and super white versions available.

**SPECIFICATIONS**

GENERAL		
Frequency range	Tx Rx CH70	156.000-161.450MHz 156.000-163.425MHz 156.525MHz
Usable channels		INT, USA* channels * Available depending on version
Type of emission		16K0G3E (FM), 16K0G2B (DSC)
Power supply requirement		13.8V DC nominal (10.8-15.6V DC)
Current drain (at 12.0V DC)	Tx Rx AF max. External SP Internal SP	5.5A 5.0A (RX SP ON) 1.5A
Operating temperature range		-20°C to +60°C
Antenna impedance		50Ω (SO-239)
Dimensions (W×H×D) (projections not included)		180×82×119.9mm
Weight (approx.)		1.2kg
NMEA in/out formats		RMC, GGA, GNS, GLL, DSC, DSE
TRANSMITTER		
Output power (at 12.0V DC)		25W, 1W
Max. frequency deviation		±5.0kHz
Frequency stability		Less than ±1.5kHz
Spurious emissions		Less than 0.25µW
RECEIVER		
Sensitivity (20dB SINAD)		-5dBµ emf typ.
Squelch sensitivity		Less than -2dBµ emf
Adjacent channel selectivity		More than 70dB
Spurious response		More than 70dB
Intermodulation		More than 68dB
Audio output power (at 10% distortion, 4Ω load)		More than 10W (Ext. speaker)
GPS RECEIVER		
Receiving frequency		1575.42MHz
Receiving channels		66 channels
Satellite differential type		WAAS, EGNOS, MSAS, GAGAN
Measurements made in accordance with EN 301 025-2, -3. All stated specifications are subject to change without notice or obligation.		
<b>Applicable IP Rating</b>		
<b>Ingress Protection Standard</b>		
Water		IPX7 (Waterproof protection)
<b>Supplied accessories:</b>		
• Hand microphone, HM-205B/SW • DC power cable		
• Mounting bracket kit		

**OPTIONS**

<p><b>COMMANDMIC™</b></p>  <p><b>Supplied accessories</b></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>Amber backlit COMMANDMIC, HM-195B/HM-195SW are also available.</p>	<p><b>EXTENSION CABLE for COMMANDMIC, HM-195GB/GW</b></p>  <p><b>OPC-1541</b> 6.1m (20ft) extension cable. Up to two cables available.</p>	<p><b>SPEAKER-MICROPHONE</b></p>  <p><b>HM-205B/SW</b> Same as supplied.</p>	<p><b>FLUSH MOUNT KIT</b></p>  <p><b>MB-132</b></p>	<p><b>CLASS B AIS TRANSPONDER</b></p>  <p><b>MA-500TR</b></p>
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