



VHF MARINE TRANSCEIVER

# IC-M423GE

(With GPS Receiver)

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

Optional COMMANDMIC™, HM-195GB



**Built-in GPS Receiver**  
(GPS antenna supplied)



**Active Noise Cancelling for Maximum Clarity**



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



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



**Optional COMMANDMIC™ HM-195GB/GW for 2nd Station/Intercom**



**Built-in Class D DSC**  
(Meets ITU-R M493-14 specifications)



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



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



**MarineCommander™, 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.

## 10 W Loud Audio, Public Address and Foghorn

The IC-M423GE has a built-in 10 W 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.



Supplied GPS antenna

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

The optional white backlit COMMANDMIC makes it convenient for using the IC-M423GE from a separate cabin or tower. All functions of the IC-M423GE can be controlled from the COMMANDMIC and can be used as an intercom with the IC-M423GE.

## 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

- Remote control speaker-microphone, HM-205B/SW
- NMEA 0183 connectivity
- MarineCommander™ compatible
- AquaQuake™ draining function
- IPX7 waterproof protection
- Dual/tri-watch function
- Priority and normal scan
- Black and super white versions available.
- Supports 4-digit channels

## SPECIFICATIONS

GENERAL		
Frequency range	TX RX CH70	156.000–161.450 MHz 156.000–163.425 MHz 156.525 MHz
Usable channels		INT, USA* channels * Available depending on version
Type of emission		16K0G3E (FM), 16K0G2B (DSC)
Power supply requirement		13.8 V DC nominal (10.8–15.6 V DC)
Current drain (at 12.0 V DC)	Tx Rx	25 W output AF max. External SP Internal SP
Operating temperature range		–20°C to +60°C
Antenna impedance		50 Ω (SO-239)
Dimensions (W×H×D) (projections not included)		180×82×119.9 mm
Weight (approx.)		1.2 kg
NMEA in/out formats		RMC, GGA, GNS, GLL, DSC, DSE
TRANSMITTER		
Output power (at 12.0 V DC)		25 W, 1 W
Max. frequency deviation		±5.0 kHz
Frequency stability		Less than ±1.5 kHz
Spurious emissions		Less than 0.25 µW
RECEIVER		
Sensitivity (20 dB SINAD)		–5 dBµ emf typ.
Squelch sensitivity		Less than –2 dBµ emf
Adjacent channel selectivity		More than 70 dB
Spurious response		More than 70 dB
Intermodulation		More than 68 dB
Audio output power (at 10% distortion, 4 Ω load)		More than 10 W (Ext. speaker)
GPS RECEIVER		
Receiving frequency		1575.42 MHz
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.		
Applicable IP Rating		
Ingress Protection Standard		
Water		IPX7 (Waterproof protection)
<b>Supplied accessories:</b>		
• Hand microphone, HM-205B/SW	• DC power cable	
• Mounting bracket kit	• GPS antenna	

## OPTIONS

**COMMANDMIC™**

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

**Supplied accessories**

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

**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.

**CLASS B AIS TRANSPONDERS**

**MA-500TR**

**FLUSH MOUNT KIT**

MB-132

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

Les spécifications et informations données dans ce document peuvent être modifiées sans préavis. La configuration du poste peut varier suivant les versions.

## Icom France s.a.s.

Zac de la Plaine - 1, Rue Brindejonc des Moulinais  
BP 45804 - 31505 TOULOUSE CEDEX 5  
Tél : +33 (0)5 61 36 03 03  
WEB ICOM : <http://www.icomfrance.com>  
E-mail : [icom@icomfrance.com](mailto:icom@icomfrance.com)



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