ICOM

VHF MARINE TRANSCEIVER

# IC-M423G

(With GPS Receiver)

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

Optional COMMANDMIC™, HM-195GB




GPS INTEGRATED GPS RECEIVER

- **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

VHF MARINE TRANSCEIVER

# IC-M423G

## 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 | 156.000–161.450MHz |
| | Rx | 156.000–163.425MHz |
| | CH70 | 156.525MHz |
| Usable channels | | INT, USA* channels<br>* 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 25W output | | 5.5A |
| Rx AF max. | External SP | 5.0A (RX SP ON) |
| | Internal SP | 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.**

**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™**



**HM-195GB** (Black)

**HM-195GW** (Super white)

**Supplied accessories**



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

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

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



**OPC-1541**
6.1m (20ft) 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-500TR**

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