

Feature Rich, Simple to Use, Icom Sets Another Benchmark

Optional COMMANDMIC™,
HM-195B



New Intuitive User Interface



Active Noise Cancelling



10W Loud Audio, Public Address and Foghorn



Optional COMMANDMIC™ HM-195B/SW 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.

New Intuitive User Interface

The new menu system provides easy and intuitive operation. The bottom line of the dot-matrix display shows the software key functions which can be toggled with the left and right buttons. The directional keypad allows you to perform various operations and settings.

Active Noise Cancelling

The built-in bidirectional active noise cancelling reduces background noise to up to 90% and improves both your transmitted voice and incoming call. Hear and be heard more clearly.

10W Loud Audio, Public Address and Foghorn

The IC-M423 has a built-in 10W amplifier that increases the audio output from additional external speaker. The public address function allows you to make an announcement from the microphone like a loud speaker, and the foghorn can also be emitted from the additional external 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.

Optional COMMANDMIC™ HM-195B/SW

The optional COMMANDMIC, HM-195B/SW makes it convenient for using the IC-M423 from a separate cabin or tower. All functions of the IC-M423 can be controlled from the COMMANDMIC and can be used as an intercom with the IC-M423.

Common NMEA Interface

When connected to an external GPS receiver, current position and time are shown on the IC-M423's display. When receiving position information from another vessel, the IC-M423 can transfer it to a navigational device via NMEA 0183 connectivity.

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 a MMSI number.

And More

- 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.

Supplied accessories:

- Hand microphone, HM-196B/SW
- DC power cable
- Mounting bracket kit

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. (RX SP ON)	5.5A 5.0A (External speaker)
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		
Intermediate frequency	Main DSC	21.700MHz/450kHz (1st/2nd) 30.875MHz/450kHz (1st/2nd)
Sensitivity	Main DSC	-5dBμ emf typ. (20dB SINAD) -4dBμ emf typ. (1% BER)
Squelch sensitivity	Main	Less than -2dBμ emf
Adjacent channel selectivity	Main DSC	More than 70dB More than 73dBμ emf (1% BER)
Spurious response	Main DSC	More than 70dB More than 73dBμ emf (1% BER)
Intermodulation	Main DSC	More than 68dB More than 68dBμ emf (1% BER)
Hum and noise		More than 40dB
Audio output power (at 10% distortion, 4Ω load)		More than 10W (Ext. speaker)

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)

OPTIONS

<p>COMMANDMIC™</p>  <p>HM-195B (Black) HM-195SW (Super white)</p>	<p>Supplied accessories</p>  <ul style="list-style-type: none"> • 6.1m (20ft) of cable • Microphone hanger • Mounting base for connector 	<p>EXTENSION CABLE for COMMANDMIC, HM-195B/SW</p>  <p>OPC-1541 6.1m (20ft) extension cable. Up to two cables available.</p>	<p>FLUSH MOUNT KIT</p>  <p>MB-132</p>	<p>CLASS B AIS TRANSPONDER</p>  <p>MA-500TR</p>	<p>HM-196B/SW SPEAKER-MICROPHONE Same as supplied.</p>
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