Submersible compact body with large LCD and powerful audio

Compact and submersible
Equivalent to IPX7 (1m depth for 30 minutes, except cables).

Large easy-to-see LCD
Shows full size channel number with 4-step backlighting.

Built-in DSC
For distress calls, or for position request/position report.

New Force5Audio™ speaker
Delivers impressive audio output with powerful bass.

Favorite channel function
Offers quick channel selection from the microphone up/down buttons.

AquaQuake draining function
The vibrating “buzz” sound clears water away from the speaker grill.

Weather channel with weather alert
Listen for important weather broadcasts.

Dualwatch and Tri-watch functions
Monitors Ch.16 and/or call channel, while using another channel.
### SPECIFICATIONS

#### GENERAL
- **Frequency range**: Tx 156.025–157.425MHz
  Rx 156.050–163.275MHz
- **Usable channels**: USA, CAN, INT, WX channels
- **Type of emission**: 16K0G3E, 16K0G2B
- **Power supply**: 13.8V DC ±15%
- **Current drain**: Tx 5.5A (at 25W output)
  Rx 1.5A (at AF max.)
- **Operating temperature range**: –20°C to +60°C; –4°F to +140°F
- **Antenna impedance**: 50Ω (SO-239)
- **Dimensions (W×HxD, projections not included)**: 153×67×133mm; 6 1/8×2 6/8×5 1/8 in.
- **Weight (approx.)**: 825g; 1.8lb
- **NMEA formats**: NMEA version 2.0 or 3.01
- **MBU**: MB-92
- **OPTIONS**
  - **FLUSH MOUNT KIT**
  - **DUST COVER**

#### TRANSMITTER
- **Output power**: 25W or 1W (at 13.8V DC)
- **Modulation system**: Variable reactance frequency modulation
- **Max. freq. deviation**: ±5kHz
- **Frequency error**: ±10ppm
- **Spurious emissions**: Less than –70dBc (25W)
- **Adjustment power**: More than 70dB
- **Audio harmonic distortion**: Less than 0% (at 60% dev.)
- **Residual modulation**: More than 40dB

#### RECEIVER
- **Intermediate freq.**: 1st 21.7MHz, 2nd 450kHz
- **Sensitivity**: 0.22μV typical at 12dB SINAD
- **Squelch sensitivity**: Less than 0.22μV
- **Adj. Ch. selectivity**: More than 70dB
- **Spurious response**: More than 70dB
- **Intermodulation**: More than 70dB
- **Hum and noise**: More than 40dB
- **Audio output power**: 4.5W typical at 10% distortion with a 4Ω load

### OPTIONS
- **HM-164B/164SW/164G HAND MICROPHONE**
  - Black, super white, and gray are available.

- **MB-69 FLUSH MOUNT KIT**
  - For flush-mounting the IC-M304 to a flat surface such as an instrument control panel.

- **MB-92 DUST COVER**
  - Protects the IC-M304 from dust and strong sunlight when the radio is not in use.

### REAR PANEL CONNECTIONS

#### DIMENSIONS

![Dimensions Diagram]

- **Antenna connector**
- **DC power connector**: (+): Red, (–): Black
- **GPS receiver lead (NMEA IN)**: (+): Yellow, (–): Green
- **External speaker lead**: (+): Blue, (–): Gray
- **GPS receiver lead (NMEA IN)**: (+): Yellow, (–): Green
- **DC power connector**: (+): Red, (–): Black

### ACCESSORIES
- **Supplied accessories**:
  - Hand microphone
  - Mounting bracket kit
- **Color versions**:
  - Black
  - Super white
  - Gray

### Applicable U.S. Military Specifications
- The IC-M304 has been tested to and passed the following MIL-STD requirements and strict environmental standards.

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</tr>
<tr>
<td>Immersion</td>
<td>512.4</td>
<td>1, 2</td>
</tr>
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Also meets equivalent MIL-STD-810-C, -D and -E.