

IC-M302

Three Colors, One Terrific Icom Marine Radio

FORCE 5 AUDIO™

The speaker's high sound pressure level delivers loud and clear reception. Background noise is blown away! The microphone is tuned to pick up voice, while reducing ambient noise.

Submersible

1m depth for 30 minutes

The installation of the IC-M302 is not limited to covered areas. Be assured, the IC-M302 can handle all types of wet! Equivalent to JIS Grade 7.

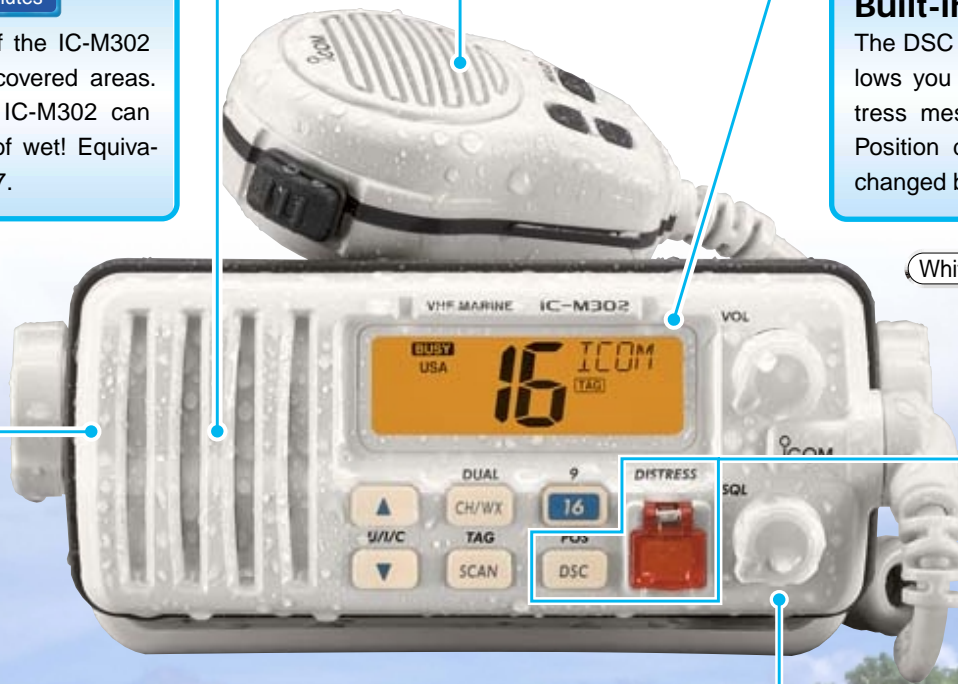
Large backlit LCD

The wide LCD shows large channel numbers and channel names of up to 10 characters. 4 levels of LCD backlighting are available.

Built-in DSC capability

The DSC (Digital Selective Calling) allows you to send a formatted distress message in an emergency. Position data is automatically exchanged between the two stations.

White version



Other features

- Weather channels with weather alert function
- Dualwatch and Tri-watch functions
- GPS connection (NMEA input)
- External speaker connection

Gray version



Black version



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 \pm 15%
- Current drain : Tx 5.5A (at 25W output) (at 13.8V DC) Rx 1.5A (at AF max.)
- Operating temperature range: -20°C to $+60^{\circ}\text{C}$; -4°F to $+140^{\circ}\text{F}$
- Antenna impedance: 50 Ω (SO-239)
- Dimensions (W×H×D, projections not included) : 153×67×132mm ; 6 $\frac{1}{2}$ ×2 $\frac{5}{8}$ ×5 $\frac{3}{16}$ in.
- Weight (approx.) : 825g; 1.8lb
- NMEA formats : RMC, GGA, GNS, GLL

Measurements made in accordance with TIA/EIA 603. All stated specifications are subject to change without notice or obligation.

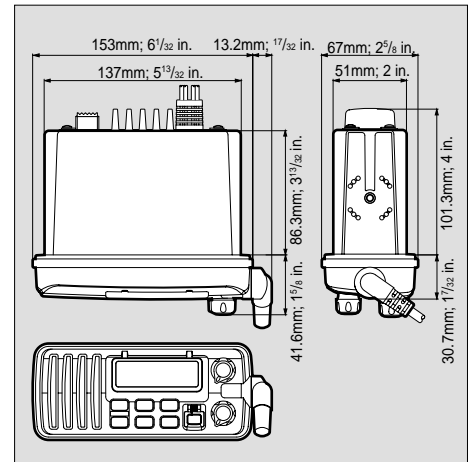
TRANSMITTER

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

RECEIVER

- Intermediate freq. : 1st 21.7MHz, 2nd 450kHz
- Sensitivity : 0.22 μV typical at 12dB SINAD
- Squelch sensitivity: Less than 0.22 μV
- 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 4 Ω load

DIMENSIONS



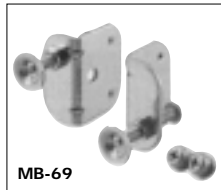
Supplied accessories:

- Hand microphone
- DC power cable
- Mounting bracket kit

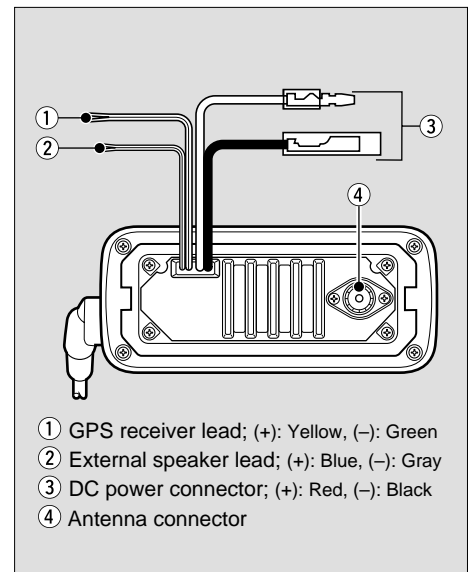
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OPTIONS

- **MB-69**
FLUSH MOUNT KIT
For flush-mounting the IC-M302 to a flat surface such as an instrument control panel.
- **MB-92** DUST COVER
Protects the IC-M302 from dust and strong sun light when the radio is not in use.
- **HM-141B/141W/141G** HAND MICROPHONE
White, black and gray are available. Same as supplied.



REAR PANEL CONNECTIONS



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Icom Inc. (Japan), is an ISO 9001 and ISO 14001 certification acquired company.

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