



VHF MARINE TRANSCEIVER

# IC-M402S

Upgraded Version



**Submersible**  
1m depth for 30 minutes

## Meet the "S" Version!

The IC-M402S has identical features to Icom's highly acclaimed IC-M402 with the exception of the optional COMMANDMIC®. — the "S" version is ideal for boaters who don't need a second helm radio station.

### Large display and 2-digit channel

The large, 27mm×43mm (1<sup>1</sup>/<sub>16</sub> in.×1<sup>5</sup>/<sub>16</sub> in.) dimension, display is easy to see in direct sunlight. 10-character scrolling channel names and all settings are displayed instantly. LCD backlighting is adjustable in 4-steps and key illumination is available for nighttime operation.

### Built-in DSC capability that meets RTCM SC101

The DSC watch function monitors Ch. 70, while receiving another channel. The DSC allows you to send a formatted distress message in an emergency. Position data is automatically exchanged between the two stations when connected to a GPS receiver. Up to 30 DSC IDs are stored.



### Submersible (1m depth for 30 minutes)

After each outing, spray the IC-M402S with fresh water to remove any salt. By doing so, you will remove any mineral build-up, and extend the life of the radio. (Equivalent to JIS Grade 7; except cables)

### Upgraded features

One touch access to Scan button on the front panel

Impressive speaker audio

Position indication in seconds accuracy

NMEA input – RMC, GGA, GNS and GLL sentences

Position report and position request functions

\* PLEASE NOTE that the COMMANDMIC® cannot be used with the IC-M402S.

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## ADDITIONAL FEATURES

- Dualwatch and Tri-watch functions for monitoring Ch.16 and/or another channel, while receiving on a channel
- Supplied remote function microphone for convenient channel and power selection

- NOAA weather channels with alert function
- Simple and easy tag scanning system
- Powerful, easy to hear speaker
- Available in black or white

## SPECIFICATIONS

### GENERAL

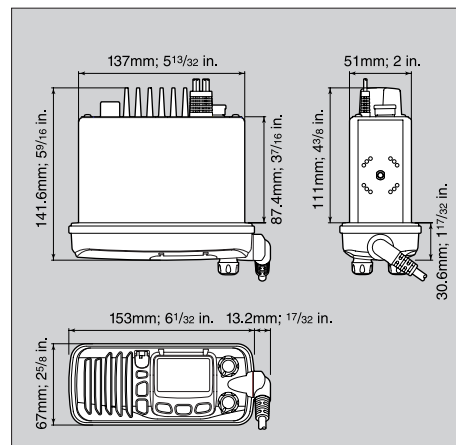
- Frequency range :
  - Tx 156.025–157.425MHz
  - Rx 156.050–163.275MHz
- Usable channels : USA, CAN, INT, WX channels
- Type of emission : 16K0G3E, 16K0G2B
- Power supply requirement : 13.8V DC  $\pm$ 15%
- Current drain (at 13.8V DC) :
  - Tx 5.5A Max. (at 25W output)
  - Rx 1.5A Max. (at AF max.)
- Operating temperature range :
  - 20°C to +60°C; -4°F to +140°F
- Frequency error :  $\pm$ 10ppm (-20°C to +60°C)
- Antenna impedance : 50Ω (SO-239)
- Dimensions (W×H×D): 153×67×141.6mm; (proj. not included) 6 $\frac{1}{32}$ ×2 $\frac{5}{8}$ ×5 $\frac{9}{16}$ in.
- Weight (approx.) : 900g; 2lb
- NMEA formats : RMC, GGA, GNS, GLL

### TRANSMITTER

- Output power : 25W, 1W (at 13.8V DC)
- Modulation system : Variable reactance freq. mod.
- Max. freq. deviation :  $\pm$ 5.0kHz
- Spurious emissions : Less than -70dBc
- Residual modulation: More than 40dB
- Adjacent Ch. power : More than 70dB

### RECEIVER

- Intermediate freq. : 21.7MHz/450kHz (1st/2nd)
- Sensitivity : 0.22μV typical at 12dB SINAD
- Squelch sensitivity : 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



### Supplied accessories:

- Hand microphone, HM-141B/W
- DC power cable
- Mounting bracket kit

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All stated specifications are subject to change without notice or obligation.

## OPTIONS

- **MB-69 FLUSH MOUNT KIT**  
For flush-mounting the IC-M402S to a flat surface such as an instrument control panel.
- **MB-92 DUST COVER**  
Protects the IC-M402S from dust and strong sunlight when the radio is not in use.
- **HM-141B/141W HAND MICROPHONES**  
Black and white are available. Same as supplied.



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