

IC-M401E

Waterproof
1m depth for 30 minutes



Easy to See! Easy to Hear!

Large LCD (27 x 43mm)

A large LCD is incorporated into the design allowing easy viewing of the large channel display and the scrolling 10-character channel name system—even in direct sunlight, or when water has splashed on the screen. In addition, the 4-step amber backlighting for the LCD and switch illumination, allows the set to be seen in low-light conditions.



The photo shows actual display size.

Compact Front Panel

The IC-M401E has a flush mount body and compact front panel making it ideal for installation in a steering panel or bulkhead. The front panel design is well organised and contains well-labelled switches and controls providing simple operation even in the roughest weather conditions.

Waterproof Protection

The IC-M401E, including the microphone and the optional DS-100 have waterproof protection, equivalent to JIS waterproof specification grade 7*.

* 1m depth for 30 minutes; except cables.

Superior Audio with Large Speaker

The speaker's high sound pressure level delivers loud and clear reception, even over background noise. The microphone is tuned to pick up voice, while reducing ambient noise.

Optional ITU Class-D DSC Controller, DS-100

If you are really concerned about DSC operation not only for "Distress" situations, but also for private ship-to-ship calls, a clear display and functional controls are very important. The DS-100 has a 168-character display that shows full dot-matrix characters with clarity. Large, clearly labeled controls allow you to easily make routine individual, group and all ships calls. Up to 40 received messages (20 distress and 20 other calls) are stored and a total 70 address ID's (individual and Group ID) can be programmed.

And More

- Dual and tri-watch functions for monitoring Ch.16 and/or another channel, while receiving on another channel
- Supplied remote function microphone for convenient channel selection
- Up to 22 programmable channels
- Simple and easy tag scanning system
- Black or white color variations



White Color Version

SPECIFICATIONS

GENERAL

- Frequency range : Tx 156.000–161.450MHz*
Rx 156.000–163.425MHz*
* Frequency range that may be subject to licensing conditions.
- Type of emission : 16K0G3E (FM), 16K0G2B (DSC)
- Usable channels : INT, USA* channels
* Available depending on version
- Power supply : 13.8V DC ±15%
- Current drain (at 13.8V DC):
Tx high 5.5A max.
Max. audio 1.5A max.
- Operating temp. range: -20°C to +60°C
- Frequency stability : ±1.5kHz (-20°C to +60°C)
- Antenna connector : SO-239 (50Ω)
- Dimensions : 153(W)×67(H)×141.6(D) mm
(projections not included)
- Weight (approx.) : 950g

TRANSMITTER

- Output power : 25W/1W (at 13.8V DC)
- Modulation system : Variable reactance phase mod.
- Max. Freq. deviation: ±5.0kHz
- Spurious emissions : Less than 0.25µV
- Adjacent Ch. power : More than 70dB
- Residual modulation: More than 40dB

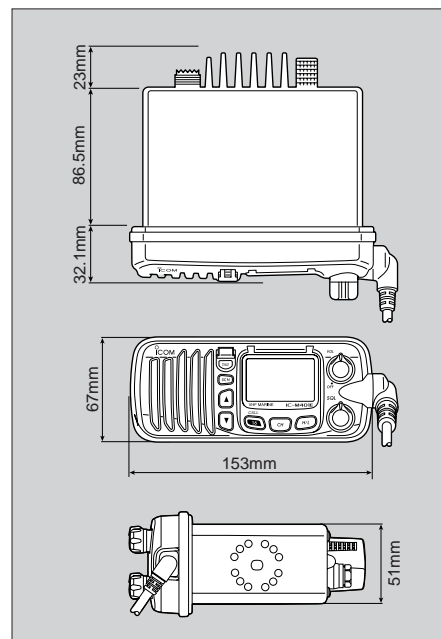
RECEIVER

- Intermediate freq. : 1st 21.7MHz
2nd 450kHz
- Sensitivity : -2dBµ emf typical
at 20dB SINAD
- Squelch sensitivity : Less than 0dBµ emf
- Intermod. rejection : More than 68dB
- Spurious response : More than 70dB
- Adj. Ch. selectivity : More than 70dB
- Audio output power : 2W at 10% distortion with a 4Ω load

Supplied accessories:

- Hand microphone
- DC power cable
- Mounting bracket kit
- Spare fuses

Measurements made in accordance with EN 301 025.
All stated specifications are subject to change without notice or obligation.



OPTIONS

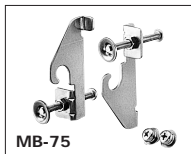


DS-100

- **DS-100 DSC CONTROLLER UNIT (Ver. 02)**
- Receive frequency : 156.525MHz (Ch 70)
- Type of reception : 16K0G2B (DSC)
- Operating temp. range : -20°C to +60°C
- Antenna connector : SO-239 (50Ω)
- Dimensions (proj. not incl.): 165(W)×110(H)×84.4(D) mm
- Weight (approx.) : 1.0kg
- Sensitivity : -10dBµ typical
- Adjacent Ch. selectivity : 70dB
- Spurious response : 70dB
- Intermod. rejection ratio : 68dB
- GPS interface : NMEA0183 ver 2.0

Specifications for DS-100 are measured in accordance with EN 301 025.

- **MB-75 FLUSH MOUNT KIT**
For flush-mounting the DS-100 to a flat surface such as an instrument control panel.

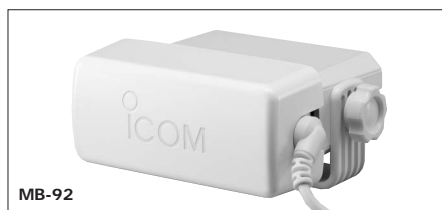


MB-75

- **MB-69 FLUSH MOUNT KIT**
For flush-mounting the IC-M401E to a flat surface such as an instrument control panel.



MB-69



MB-92

- **MB-92 DUST COVER**
Protects the IC-M401E from dust and strong sun light when the radio is not in use. Available in white only.



SP-5

SP-10

- **SP-5 EXTERNAL SPEAKER**
A large speaker for superior audio output.
- **SP-10 EXTERNAL SPEAKER**
A compact speaker, for use in limited spaces.



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