



VHF MARINE TRANSCEIVERS

IC-M45 IC-M45EURO

Meets
MIL-STD 810



Easy, reliable operation!

Flush-mount design and superior construction

Because the marine environment can be very unforgiving, the IC-M45 is designed to provide communications you can rely on under the most demanding of conditions. Water-resistant gaskets are used throughout, including the microphone, to prevent water intrusion. A durable, one piece aluminum die-cast chassis provides dependability and good heat dispersal for stable transmissions. In addition, flush mounting* into an instrument control panel or similar flat surface is a snap with the newly designed mounting 'lip.'

*An optional MB-69 FLUSH MOUNT KIT is required.

Simple operation

Operating the IC-M45 couldn't be easier. Controls and switches are clearly labelled, providing intuitive operation—even for beginners. A large, easy-to-read display measuring 20(H)×60(W) mm* indicates all necessary information at a glance. With adjustable backlighting you can be sure to read the display under varying light conditions, including nighttime operation.

*0.79(H)×2.36(W) in.

'Tag' scan system

The 'tag' scan system makes scanning easy—simply add or delete channels at the push of a switch.

'Smart' microphone

The microphone allows you to conveniently change channels or select output power without touching the front panel switches.

Dual and tri-watch functions

Features often found on radios costing much more are standard on the IC-M45. Dual and tri-watch functions provide a convenient way to monitor channel 16 (or channel 16 and the call channel) while operating on another channel.

And more...

- All international, USA and Canadian channels are available
- Weather channels with weather alert function
- Instant access to channel 16 and the call channel
- Simple up/down keys for channel selection
- Low battery indicator

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency range : Tx 156.025–157.425 MHz
Rx 156.025–163.275 MHz
- Usable channels :
All USA, international and Canadian channels; plus 10 weather channels
- Mode : FM (16K0G3E)
- Power supply : 13.8 V DC \pm 15%
- Current drain (at 13.8 V DC):
Tx at 25 W Less than 6 A
Rx max. audio Less than 1.2 A
- Usable temperature range:
–20°C to +60°C
–4°F to +140°F
- Antenna connector: SO-239 (50 Ω)
- Weight : 0.9 kg; 2 lb

TRANSMITTER

- Output power : High 25 W
(at 13.8 V) Low 1 W
- Modulation system:
Variable reactance phase modulation
- Spurious emissions: Less than –70 dB
- Adj. channel power: 60 dB

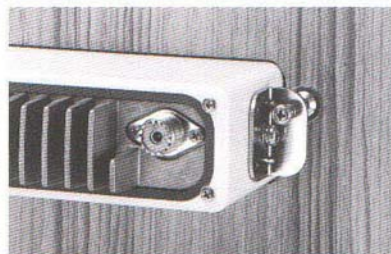
RECEIVER

- Receive system :
Double conversion superheterodyne
- Intermediate freq. : 1st 30.85 MHz
2nd 450 kHz
- Sensitivity : 0.22 μ V typical
at 12 dB SINAD
- Squelch sensitivity: 0.22 μ V typical
- Adj. ch. selectivity : 70 dB typical
- Spurious response rejection ratio:
70 dB typical
- Intermodulation rejection ratio:
70 dB typical
- Audio output power (at 13.8 V DC; 10% distortion):
4.0 W typical with a 4 Ω load
- Audio output impedance: 4 Ω

The IC-M45/EURO meets MIL-STD requirements and strict environmental standard for shock (MIL 810 C, D, E) and vibration (MIL 810 C, D, E).

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

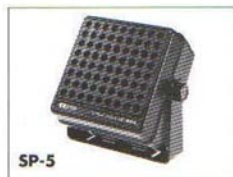
Flush mounting example



OPTIONS

Type approval for options varies between countries. Ask your Dealer which options are available in your area.

- **SP-5 EXTERNAL SPEAKER**
A large, external speaker for superior audio output.
- **SP-10 EXTERNAL SPEAKER**
A compact, external speaker. Features easy installation.
- **MB-69 FLUSH MOUNT KIT**
For flush-mounting the IC-M45 to a flat surface such as an instrument control panel.
- **HM-117B/W HAND MICROPHONE** (for IC-M45EURO)
- **HM-124B/W HAND MICROPHONE** (for IC-M45)
White and black are available. Same as supplied.



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Your local distributor/dealer:



Certificate Number Q14190

Icom Inc. (Japan), is an ISO9001 certification acquired company.