

ICOM

VHF MARINE TRANSCEIVERS

# IC-M3A IC-M3EURO



Meets  
MIL-STD 810



## Reliable communications made easy

### Water-resistant construction\*

Sea spray? Rain? No need to worry with the IC-M3A. Water-resistant, non-corrosive construction, including water-tight gaskets for the control knob and antenna connector, ensures reliable communication out on the water.

\*Equivalent to JIS water protection specification 4.

### Simple operation

Well spaced, clearly labelled buttons on the front panel provide easy one-hand access to frequently used functions. The simple push of one button controls each function. Channel selection is a snap with the up/down keys.

### Large LCD with backlighting

The extra large LCD shows operating status at a glance. Superior contrast and backlighting make viewing easy on your eyes. And with key backlighting, operation at night is not a problem.

### 'Tag' scan system

Icom's 'tag' scan system makes scanning easy—add or delete channels at the push of a button.

### Alkaline battery ready

Alkaline batteries can be used as a convenient backup to rechargeable Ni-Cd batteries. While you're charging your Ni-Cd's throw in some alkaline batteries for temporary operation. Keep an extra set of "AA" alkaline batteries on board for emergencies.

### 5 W output power

When using Ni-Cd batteries the IC-M3A produces a powerful 5 W of output power.

### Other features

- One-touch selection of channel 16 and channel 9
- Dual watch and tri-watch—monitor channel 16 while operating on another channel or monitor channel 16 and channel 9 while operating on another channel
- Receives weather channels and has a weather alert function that alerts you to emergency NOAA broadcasts
- Compact size

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* *USA version only.
• Mode	:	16K0G3E (FM)
• Power supply requirement	:	7.2 V DC (negative ground)
• Current drain (at 7.2 V DC; typical)	:	
Tx	at 5 W	1.6 A
	at 1 W	0.7 A
Rx	max. audio standby power saved	230 mA 60 mA (squelched) 20 mA (average)
• Usable temperature range	:	–20°C to +60°C; –4°F to +140°F
• Frequency stability	:	±10 ppm (–20°C to +60°C)
• Dimensions (projections not included)	:	58(W)×140.5(H)×43.5(D) mm 2 <sup>9</sup> / <sub>32</sub> (W)×5 <sup>17</sup> / <sub>32</sub> (H)×1 <sup>23</sup> / <sub>32</sub> (D) in
• Weight	:	410 g; 14.4 oz

## TRANSMITTER

• Output power (at 7.2 V DC)	:	High 5 W    Low 1 W (3/1 W Italy, 1/0.5 W France, Holland versions)
• Modulation system	:	Variable reactance modulation
• Max. frequency deviation	:	±5.0 kHz
• Spurious emissions	:	Less than –65 dB
• Microphone impedance	:	2 kΩ

## RECEIVER

• Receive system	:	Double-conversion superheterodyne
• Intermediate frequencies	:	1st            31.05 MHz 2nd            450 kHz
• Sensitivity	:	IC-M3A (at 12 dB SINAD) : 0.25 µV typical IC-M3EURO (at 20 dB SINAD) : 1.0 µV typical
• Squelch sensitivity	:	0.25 µV typical
• Intermodulation rejection	:	70 dB typical
• Adjacent channel selectivity	:	70 dB typical
• Spurious response rejection ratio	:	70 dB typical
• Audio output power	:	500 mW typical at 10% distortion with an 8 Ω load
• Audio output impedance	:	8 Ω

The IC-M3A meets MIL-STD requirement and strict environmental standards for shock (MIL 810C, D, E) and vibration (MIL 810C, D, E).

## Supplied accessories

● Battery case w/Ni-Cd cells	● Antenna	● Belt clip
● Wall charger*	● Handstrap	*depending on version

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

## OPTIONS

## BP-204 BATTERY CASE

Takes 6 R6(AA) batteries. Both alkaline or Ni-Cd batteries can be used. The same as supplied.

## CP-12L CIGARETTE LIGHTER CABLE WITH NOISE FILTER

## OPC-254L DC POWER CABLE

Allow you to charge the transceiver through a 12 V cigarette lighter socket with the CP-12L or OPC-254L, respectively.

## BC-131A WALL CHARGER

Regularly charges Ni-Cd batteries in the BP-204. The same as supplied with the USA version.

## BC-110D/V WALL CHARGER

Regularly charges Ni-Cd batteries in the BP-204. The same as supplied with some versions.

## MB-68 BELT CLIP

Allows you to attach the transceiver to your belt, etc. The same as supplied.

## MB-74 BELT CLIP

Alligator type. Clips almost anything in a variety of convenient places.

## AD-98FSC ANTENNA CONNECTOR ADAPTER

Allows you to connect a BNC-type antenna. (For maintenance use only)



BP-204



CP-12L



OPC-254L



MB-68

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Certificate Number Q14190

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