



VHF MARINE TRANSCEIVERS

IC-M1V IC-M1EURO V



*The world's smallest waterproof marine radio!***

Ultra compact, waterproof transceiver

Icom's IC-M1V is the smallest and lightest waterproof* marine handheld available. Plus, it features non-corrosive construction.

*equivalent to JIS waterproof specification grade 7 (1m depth for 30 min.)

Powerful 5 watts of talk power

The first in its class to use a powerful Lithium Ion battery, the IC-M1V's 5 watts can carry a conversation a long way. Charging is easy; with Lithium Ion, there's no need to fully discharge before recharging, as should be done with Ni-Cds.

Lithium Ion power = long battery life

With typical operation*, you'll get an incredible 12 to 14 hours of operating time— nearly 2 times longer than most Ni-Cds. Lithium Ion stores a charge more than 3 times longer than a typical Ni-Cd, too!

*Tx:Rx: Stand-by duty ratio = 5:5:90

Waterproof speaker-microphone operation

A waterproof* speaker-microphone plugs right in to the waterproof jack on top of the IC-M1V. Go where its wet without fear!

*equivalent to JIS waterproof specification grade 7 (1 m depth for 30 min.)

Extra large LCD with alphanumeric indications

A large, backlit LCD offers easy to read channel numbers and descriptions. Read the IC-M1V's built-in channel descriptions, or program in your own! With up to 10 alphanumeric characters per channel, its easy to customize channel descriptors.

Flexible battery charging

Charge the IC-M1V on a boat, at home, or in the car. A self-standing battery charger comes with the radio set the charger on top of a table, or mount it to a wall. The charger accepts a variety of DC power sources*, or use the included AC adapter.

*Optional charging cable required

Fast scanning functions

"TAG" scanning offers easy, one touch channel selection and deselection. Advanced dual and tri watch scanning, normally reserved for more expensive radios, is also available.

**As of 10/99

Icom Inc.

ADDITIONAL FEATURES

- The self check function checks internal temperature, connected battery voltage (over voltage detection), PLL lock and water intrusion
- Battery indicator shows remaining battery power in 4 levels
- Auto WX scan and WX Alert function (USA version only)
- Simple Up/Down switches for operating channel selection
- Instant access to Ch 16 and programmable call channel

- 2 step power saver
- Key lock function
- Automatic LCD and key backlight
- Up to 22 free channels are available (ask your local dealer for details)
- Optional voice scrambling capability (Not available in some countries)
- ATIS standard for German version

SPECIFICATIONS

GENERAL

• Frequency range	: TX 156.025–157.425 MHz RX 156.025–163.275 MHz
• Usable channels*	: All U.S.A., International and Canadian channels; plus 10 weather channels (U.S.A. only)
• Mode	: 16K0G3E (FM)
• Power supply requirement	: 7.4 V DC (BP-215 only)
• Current drain (at 7.4 V DC)	: Tx 1.5 A (at 5 W output) Rx 200 mA (at AF max.) 20 mA (at Stand-by)
• Operating temperature range	: –20°C to +60°C; –4°F to +140°F
• Antenna connector	: SMA (50 Ω)
• Dimensions	: 52.5(W)×129(H)×30(D) mm; (projections not included)
• Weight (approx.; with BP-215)	: 280 g; 9.9 oz

TRANSMITTER

• Output power*	: 5.0 W (Hi), 1 W (Low) and 0.5 W (Low2)
• Modulation system	: Variable reactance frequency modulation
• Max. Frequency deviation	: ±5 kHz
• Audio harmonic distortion	: Less than 10% (at 60% mod.)
• Spurious emissions	: IC-M1V Less than 65 dB IC-M1EURO V 0.25 μW

RECEIVER

• Intermediate frequencies	: 1st 21.7 MHz 2nd 450 kHz
• Sensitivity	: Less than 0.35 μV (at 12 dB SINAD)
• Squelch sensitivity	: Less than 0.35 μV (at threshold)
• Adjacent channel selectivity	: IC-M1V 70 dB typical IC-M1EURO V 70 dB
• Spurious response	: IC-M1V 70 dB typical IC-M1EURO V 70 dB
• Intermodulation rejection ratio	: IC-M1V 70 dB typical IC-M1EURO V 68 dB
• Hum and noise ratio	: More than 40 dB
• Audio output power	: 0.35 W typ. at 10% distortion with an 8 Ω load

Specifications for the IC-M1V and the IC-M1EURO V are measured in accordance with EIA-152C & EIA-204D(E) and EN301-178, respectively.

The IC-M1EURO V meets EMC directive.

Supplied accessories:

- | | | |
|----------------|-------------------|---------------|
| • Battery pack | • Battery charger | • AC adapter* |
| • Antenna | • Belt clip | • Hand strap |

*depending on version

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

OPTIONS

Type approval for options varies between countries. Ask your dealer which options are available.

- **BP-215** Li-Ion BATTERY PACK
Lithium Ion battery pack, provides 12–14 hrs. operation (Tx:Rx:Stand-by=5:5:90) 7.4 V/1600 mAh
Same as supplied with the transceiver.
- **AD-95** BATTERY CHARGER
+ **BC-122A/E/V** AC ADAPTER
Desktop or wall mount. Charging time: 8 hours
Same as supplied with the transceiver.

- **HM-125** SPEAKER-MICROPHONE
Full sized, waterproof construction, corresponds to JIS grade 7 (1 m/30 min.). An alligator type clip is equipped.
- **UT-98** VOICE SCRAMBLER UNIT
Ensures private communication. 128 scrambling codes are available. The scrambling system is not compatible with UT-112. Not available in some countries. Version 02 (#02) only can be used with the IC-M1V/M1EURO V (version 01 not compatible).

- **UT-112** VOICE SCRAMBLER UNIT
Enables private communications by scrambling your voice signals. Total of 32 scrambling codes available. The scrambling system is not compatible with the UT-98. Not available in some countries.
- **CP-17L** CIGARETTE LIGHTER CABLE
or **OPC-515L** DC POWER CABLE
For use with the battery charger, AD-95, instead of the AC adapter.

BP-215



AD-95

BC-122A/E/V



HM-125



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Certificate Number Q14190

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

Your local distributor/dealer: