



VHF MARINE TRANSCEIVERS

IC-M1V



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 30min.)

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 it's wet without fear!

*equivalent to JIS waterproof specification grade 7 (1m 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 descriptives.

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 cahrger on op 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.

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 section
- 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 MH RX 156.025 - 163.275 MHz All U.S.A., Intenational and Canadian Channels; plus 10 weather channels (USA 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; 14°F to + 140°F
Antenna connector	SMA (50Ω)
Dimentions (projections not included)	52.5(W) x 129(H) x 30(D) mm; 2 1/16 (W) x 53/32(H) x 1 3/16 (D) in
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

Receiver	
Intermediate frequencies	1 st 21.7 MHz 2 nd 450 kHz

Sensitivity	Less than 0.35 μ V (at 12 dB SINAD)
Squelch sensitivity	Less than 0.35 μ V (at threshold)
Adjacent channel selectivity	70 dB typical
Spurious response	70 dB typical
Intermodulation rejection ratio	70 dB typical
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 is measured in accordance with EIA-152C & EIA-204D(E) and EN301-178 respectively.

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 (1m/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 (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 CIGARETTES LIGHTER CABLE or OPC-515L DC POWER CABLE

For use with the battery charger, AD-95, instead of the AC adapter.