



VHF MARINE TRANSCEIVERS

IC-M1V IC-M1EURO V



Meets
MIL-STD 810

*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 15 to 16 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 with BP-215L

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 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 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 deslection. 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 (MHz) :
Tx 156.025–157.425
Rx 156.025–163.275
- Usable channels* : All U.S.A., International and Canadian channels; plus 10 weather channels (U.S.A. only)
- Mode : 16K0G3E (FM)
- Power supply requirement : 7.4V DC (BP-215/L)
- Current drain (at 7.4V DC) :
Tx (at 5W output) 1.5A
Rx (at AF max.) 200mA
(at Stand-by) 20mA
- Operating temp. range : -20°C to +60°C;
-4°F to +140°F
- Antenna connector : SMA (50Ω)
- Dimensions : 52.5(W)×129(H)×30(D);
(proj. not included; mm/in) 2 1/16(W)×5 3/32(H)×1 3/16(D)
- Weight (approx.; with BP-215L): 280g; 9.9oz

Supplied accessories:

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

TRANSMITTER

- Output power* : 5.0W (Hi), 1.0W (Low) and 0.5W (Low2)
- Modulation system : Variable reactance frequency modulation
- Max. Frequency deviation : ± 5kHz
- Audio harmonic distortion : Less than 10% (at 60% mod.)
- Spurious emissions :
IC-M1V Less than -65dB
IC-M1EURO V 0.25μW

RECEIVER

- Intermediate frequencies : 1st 21.7MHz
2nd 450kHz
- Sensitivity :
IC-M1V (12dB SINAD) Less than 0.35μV
IC-M1EURO V (20dB SINAD) 1.0μV typical (emf)
- SQL sensitivity (at threshold):
IC-M1V Less than 0.35μV
IC-M1EURO V Less than 0.71μV
- Adjacent Ch. selectivity :
IC-M1V 70dB typical
IC-M1EURO V 70dB

- Spurious response :
IC-M1V 70dB typical
IC-M1EURO V 70dB
- Intermodulation rejection ratio:
IC-M1V 70dB typical
IC-M1EURO V 68dB
- Hum and noise ratio : More than 40dB
- Audio output power : 0.35W (typical at 10% distortion with an 8Ω load)

* Varies according to version

Applicable U.S. Military Specifications

Icom makes rugged products that meet MIL-STD requirements and strict environmental standards as follows.

Standard	MIL 810C		MIL 810D		MIL 810E	
	Method	Proc.	Method	Proc.	Method	Proc.
High Temp.			501.2	II	501.3	II
Low Temp.			502.2	II	502.3	II
Humidity	507.1	I	507.2	II	507.3	II
Vibration	514.2	VIII, X	514.3	I	514.4	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV

The IC-M1EURO V meets EMC directive. Specifications for the IC-M1V and the IC-M1EURO V are measured in accordance with EIA-152C & EIA-204D(E) and EN301-178, respectively. All stated specifications are subject to change without notice or obligation.

OPTIONS

BP-215L Li-Ion BATTERY PACK
7.4V/1800mAh rechargeable battery pack provides 15–16 hours operating time.
(Tx/Rx:Stand-by=5:5:90)
Same as supplied with the transceiver.

AD-95 BATTERY CHARGER
+ **BC-122A/E/V AC ADAPTER**
Regularly charges the BP-215L in 10 hours (max.). Same as supplied with the transceiver.

BC-119N DESKTOP CHARGER
+ **AD-102 CHARGER ADAPTER**
+ **BC-145A/E/V AC ADAPTER**
For rapidly charging of a battery pack. Charging time: 1.5–2 hours (approx).

BC-121N MULTI-CHARGER
+ **AD-102 CHARGER ADAPTER**
+ **BC-124 AC ADAPTER**
For rapidly charging of up to 6 batteries simultaneously. Charging time: 1.5–2 hours (approx)

CP-17L CIGARETTE LIGHTER CABLE
or **OPC-515L DC POWER CABLE**
For use the AD-95 or BC-119N with a DC power supply.

OPC-656 DC POWER CABLE
For use the BC-121N with a DC power supply.

HM-125 SPEAKER-MICROPHONE
Waterproof construction, corresponds to JIS grade 7 (1 m/30 min.). An alligator type clip.

MB-88 SWIVEL BELT CLIP
Prevents accidental dropping from your belt.

UT-98 (Ver. 02) VOICE SCRAMBLER UNIT
Ensures private communications. 128 scrambling codes are available. The scrambling system is not compatible with UT-112.

UT-112 VOICE SCRAMBLER UNIT
Total of 32 scrambling codes available for ensuring private communication. The scrambling system is not compatible with UT-98.

* Voice scrambling units are not available in some countries. Ask your dealer for detail.



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Certificate Number Q14190

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

Your local distributor/dealer: