



VHF MARINE TRANSCEIVER

IC-M2A



Rugged
MIL-STD 810

Submersible
1m depth for 30 minutes

Big Screen, Tough Body and It's Waterproof too!

Extra Large LCD Display

A large LCD* offers easy to read large channel indication. The S-meter shows the signal strength of the received signal. In addition, bright LCD backlighting is great for night time operation.

* 35x24 mm, 1 1/8x1 5/16 in. dimensions



The photo shows actual display size.

Waterproof Construction

The IC-M2A is built waterproof to endure 1 meter depth for 30 minutes. (Equivalent to JIS waterproof specification grade 7.) Non-corrosive construction ensures reliable long life communication out on the water.

Simple Operation

Well spaced, clearly labeled switches on the front panel provides easy one-hand access to frequently used functions. To access secondary functions, just hold the each button for one second. The function name is indicated beside each button in white lettering for easy recognition. The IC-M2A does not require complicated operation to use it efficiently and its maximum potential.

Powerful 5W Output Power

The supplied BP-224 Ni-Cd battery pack generates a powerful 5W of output power and provides 8 hours of typical operating time*. For saving battery consumption, the output power can be reduced to 3W or 1W. The BP-223 alkaline cell case is also available during charging.

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

Desktop Charger Supplied

The BC-150 desktop charger is a simple drop-in charger. It has screw holes for easy installation, and also a cradle to hold an unattached battery – You can leave it alone to charge even in choppy seas.

Other Features

- Auto Weather scan and Weather alert function
- 4-step battery life indicator
- Dual/tri-watch function
- Normal, priority and tag scanning
- Instant access to Ch 16, Ch 9 or programmable call channel
- 2-step power saver
- Key lock function

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency range (MHz) :
 - Tx 156.025–157.425
 - Rx 156.050–163.275
- Usable channels :
 - All U.S.A., International and Canadian channels
 - ; plus 10 weather channels (U.S.A. only)
- Type of emission : 16K0G3E (FM)
- Current drain (at 7.2V DC) :
 - Tx at 5W output 1.5A typical
 - Rx AF max. 200mA typical
 - Power saved 20mA typical
- Operating temp. range : –20°C to +60°C; –4°F to +140°F
- Antenna connector : STUD (50Ω)
- Dimensions : 61(W)×135(H)×41(D) mm; (proj. not included) 2¹/₂(W)×5¹/₁₆(H)×1⁵/₈(D) in
- Weight (approx.; with BP-224): 360g; 12.7oz

TRANSMITTER

- Output power : 5W (Hi), 3W (Mid), and 1W (Low)
- Modulation system : Variable reactance frequency modulation
- Max. frequency deviation : ± 5kHz
- Audio harmonic distortion : Less than 10% (at 60% mod.)
- Spurious emissions : Less than –65dBc

RECEIVER

- Modulation system : Double-conversion superheterodyne
- Sensitivity (at 12dB SINAD) : 0.25μV typical
- Squelch sensitivity : Less than 0.35μV (at threshold)
- Adjacent Ch. selectivity : 70dB typical
- Spurious response : 70dB typical
- Intermodulation rejection : 70dB typical

- Hum and noise ratio : More than 40dB
- Audio output power : 0.35W (typical at 10% distortion with an 8Ω load)

Supplied accessories:

- Battery pack
- Battery case*
- Battery charger
- AC adapter*
- Swivel belt clip
- Antenna
- Hand strap (* Not supplied with some versions.)

Applicable U.S. Military Specifications

| Standard | MIL 810 C | | MIL 810 D | | MIL 810 E | | MIL 810 F | |
|-----------------|-----------|-----------|-----------|---------|-----------|---------|-----------|-------|
| | Method | Proc. | Method | Proc. | Method | Proc. | Method | Proc. |
| Low Pressure | 500.1 | I | 500.2 | I, II | 500.3 | I, II | 500.4 | I, II |
| High Temp. | 501.1 | I | 501.2 | I, II | 501.3 | I, II | 501.4 | I, II |
| Low Temp. | 502.1 | I | 502.2 | I, II | 502.3 | I, II | 502.4-3 | I, II |
| Temp. Shock | 503.1 | I | 503.2 | I | 503.3 | I | 503.4 | I |
| Solar Radiation | 505.1 | I | 505.2 | I | 505.3 | I | 505.4 | I |
| Rain | 506.1 | I, II | 506.2 | I, II | 506.3 | I, II | 506.4 | I, II |
| Humidity | 507.1 | I, II | 507.2 | II, III | 507.3 | II, III | 507.4 | – |
| Salt Fog | 509.1 | I | 509.2 | I | 509.3 | I | 509.4 | – |
| Vibration | 514.2 | VIII, X | 514.3 | I | 514.4 | I | 514.5 | I |
| Shock | 516.2 | I, III, V | 516.3 | I, IV | 516.4 | I, IV | 516.5 | I, IV |

Specifications for the IC-M2A are measured in accordance with EIA-603. All stated specifications are subject to change without notice or obligation.

OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.

BATTERY PACK AND CASE



▲ BP-223 ▲ BP-224

BP-223 BATTERY CASE
Battery case for AA (LR6)×6 alkaline cells.

BP-224 BATTERY PACK
7.2V/750mAh Ni-Cd battery pack. Provides 8 hours* operating time (approx.).
*(Tx (HI): Rx: standby=5:5:90).



▲ BC-150
▲ BC-147A/E

BC-150 DESKTOP CHARGER + BC-147A/E AC ADAPTER
Regularly charges the battery pack, BP-224 in 8 hours (approx.). Same as supplied.



▲ BC-145 A/E/V ▲ AD-103 ▲ BC-119N ▲ BC-121N+AD-103 (6 pcs.) ▼ BC-157

BC-119N DESKTOP CHARGER + AD-103 CHARGER ADAPTER + BC-145A/E/V AC ADAPTER
For rapid charging of a battery pack. An AC adapter may be supplied depending on version. Charging time: 1–2 hrs.

BC-121N MULTI-CHARGER + AD-103 CHARGER ADAPTER + BC-157 AC ADAPTER
For rapid charging of up to 6 BP-224 battery packs (Six AD-103s are required). An AC adapter, BC-157, or a DC power cable, OPC-656 is required. Charging time: 1–2 hours.

BELT CLIPS



▲ MB-68 ▲ MB-74N ▲ MB-87

MB-68 : Standard flat belt clip for attaching to your belt.

MB-74N : Alligator type. Clips to almost anything in a variety of convenient places.

MB-87 : Swivel belt clip. Prevents accidental dropping from your belt. Same as supplied.

LEATHER BELT HANGERS



▲ MB-96 ▲ MB-96F

MB-96 : Swivel belt hanger.

MB-96F : Fixed type belt hanger. For use with MB-68 or MB-74N.

CP-17L ▼



CP-17L CIGARETTE LIGHTER CABLE WITH NOISE FILTER

OPC-515L ▼

OPC-515L DC POWER CABLE
For use with the battery charger, BC-150 or BC-119N, instead of the AC adapter. (12–16 V DC required)

OPC-515L ▼



OPC-656 ▼



OPC-656 DC POWER CABLE
For use with the BC-121N. (12–20V DC required)

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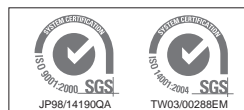
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