



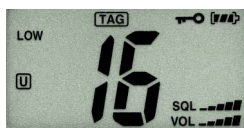
VHF MARINE TRANSCEIVER

# IC-M32



## Practical, Top Value Submersible Marine Radio

- Rugged Submersible Protection  
Equivalent to JIS Grade 7 (1m depth for 30 minutes.)
- Easy-to-See LCD with Backlighting
- Simple to Use Backlit 9 Button Keypad
- Optional Li-Ion Battery Pack & Rapid Desktop Charger



Actual display size.

- Powerful 5W Output Power
- Weather Alert Function
- Convenient Tag Scanning
- Dual/Tri-watch Functions
- 4-Step Battery Life Indicator & 2-Step Power Saver
- Squelch & Volume Level Indicator
- Instant Access to Ch 16

Icom Inc.



## SPECIFICATIONS

### GENERAL

- Frequency range :
  - Tx 156.025–157.425MHz
  - Rx 156.050–163.275MHz
- Usable channels : INT, USA, CAN, WX channels
- Type of emission : 16K0G3E (FM)
- Current drain (at 7.5V 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 impedance : 50Ω (STUD)
- Dimensions : 61(W)×135(H)×41(D) mm; 2<sup>1</sup>/<sub>2</sub>(W)×5<sup>1</sup>/<sub>8</sub>(H)×1<sup>1</sup>/<sub>2</sub>(D) in (projections not included)
- Weight (approx.) : 360g; 12.7oz (With BP-224) 300g; 10.6oz (With BP-241)

Specifications for the IC-M32 are measured in accordance with TIA/EIA-603. All stated specifications are subject to change without notice or obligation.

### TRANSMITTER

- Output power : 5W (High), 1W (Low)
- Modulation system : Variable reactance frequency modulation
- Max. frequency deviation : ±5kHz
- Frequency error : Less than ±10ppm
- Spurious emissions : Less than -68dBc
- Adjacent channel power : More than 70dB
- Audio harmonic distortion : Less than 10% (at 60% dev.)
- Residual modulation : More than 40dB

### RECEIVER

- Receive system : Double-conversion superheterodyne
- Sensitivity (at 12dB SINAD) : 0.25μV typical
- SQL sensitivity (at threshold) : Less than 0.35μV
- 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

### Applicable U.S. Military Specifications

The IC-M32 has been tested to and passed the following MIL-STD requirements and strict environmental standards.

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, III
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	-
Dust	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I, IV

### Supplied accessories:

- Ni-Cd Battery pack, BP-224
  - Battery charger, BC-150
  - AC adapter, BC-147 or BM-95V\*
  - Belt clip, MB-68
  - Antenna
  - Hand strap
- (\* Depends on version)

## OPTIONS

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

### BATTERY PACKS AND CASE



▲ BP-223 ▲ BP-224 ▲ BP-241

#### BP-223 BATTERY CASE

Battery case for AA (LR6)×6 alkaline cells.

#### BP-224 7.2V/750mAh Ni-Cd BATTERY PACK

Provides 7.5 hours\* operating time (approx.).

#### BP-241 7.4V/1150mAh Li-Ion BATTERY PACK

Provides 11 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.). Cannot charge BP-241.



▲ BC-145 A/E/V ▲ BC-119N

#### BC-119N DESKTOP CHARGER + AD-103 CHARGER ADAPTER + BC-145A/E/V AC ADAPTER

For rapid charging of BP-224. An AC adapter may be supplied depending on version. Charging time: 1–2 hrs. Cannot charge BP-241.

#### 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. Cannot charge BP-241.



▲ BC-121N+AD-103 (6 pcs.) ▼ BC-157

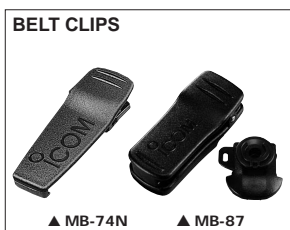


▲ BC-145A/E/V ▲ BC-162

#### BC-162 DESKTOP CHARGER

#### + BC-145A/E/V AC ADAPTER

Rapidly charges the battery pack, BP-224 and BP-241 in 1, 2 hours (approx.), respectively.



▲ MB-74N ▲ MB-87

### BELT CLIPS

**MB-68** : Standard flat belt clip. Same as supplied.

**MB-74N** : Alligator type.

**MB-87** : Swivel belt clip. Prevents accidental dropping from your belt.



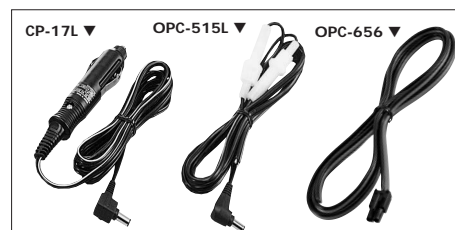
▲ MB-96 ▲ MB-96F

### LEATHER BELT HANGERS

**MB-96** : Swivel belt hanger.

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

Made with leather and ensures that the radio stays on your belt.



▼ CP-17L ▼ OPC-515L ▼ OPC-656

#### CP-17L CIGARETTE LIGHTER CABLE WITH NOISE FILTER

#### 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-656 DC POWER CABLE

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

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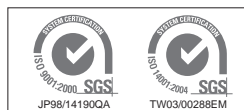
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