## Options

### Battery Pack and Case
- BC-P85
- BC-P31

### Multi-Charger
- Multi-Charger: Li-ion battery with intelligent reporting.
- BC-214
- BC-217

### Connectable Type Charger
- BC-33A
- BC-33S

### Intelligent Charger
- BC-325
- BC-125S
- BC-215
- BC-326

### Belt Clips
- MB-3
- MB-116

### Belt Hangers
- MB-250N
- MB-507
- MB-50FL

### Adaptor
- AD-119

### Connecting Cases
- LC-197
- LC-189

### Cigarette Lighter Cable & Power Supply Cable
- CP-22
- OPC-911
- OPC-455
- FA-SC08V

### Antenna
- CP-185

### Software
- RS-BC225

---

## Specifications

### MARINE CHANNELS
- 156.025 – 157.425 MHz
- 156.050 – 163.275 MHz
- 136.000 – 174.000 MHz

### Land Mobile Channels
- USA, INT, CAN, WX channels
- 100 land mobile channels

### Channel Spacing
- 25 kHz
- 25 kHz / 12.5 kHz

### Antenna Impedance
- 50 Ω

### Temperature Range
- -20 °C to +60 °C
- -30 °C to +60 °C

### Power Supply Requirement
- 7.2 V DC nominal
- 1910 mAh (min.)

### Weight
- 246 g; 8.7 oz

### USB
- BC-228
- BC-226

### Output Power
- 5/3/1 W

### FM Hum and Noise
- -70 dBc typical

### Modulation Limiting
- 60–100% of maximum deviation

### Audio Output
- Internal 700 mW typical (at 10% distortion with 8 Ω load)
- External 700 mW typical (at 10% distortion with 8 Ω load)

### Spurious Emissions
- 34 dB (Narrow)

### Intermodulation
- 0.25 μV typical

### Adjacent Channel Selectivity
- 70 dB typical

### Input Impedance
- 503.5 I, II, III

## General

### Power Supply
- EXPEX

### Interface
- 14-pin multi-connector to MB-96FL

### Temperature Shock
- 503.5 I, II

### Power Supply Cables
- CP-23L
- OPC-656

### Dust Blowing
- 510.5 D

### Dust & Water
- DUST & WATER DUST-PROOF AND WATERPROOF

### Immersion
- 512.5 D

### Ingress Protection Standard
- 503.5 D, III

### Shock
- 516.6 I, IV

### Standard MIL 810 G
- 503.5 I

### Low Pressure
- 501.5 D

### Method Procedure
- 501.5 I

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_A Marine and Land Mobile Radio Combined in One_

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**Count on us!**

---

**Your local distribution/dealer:**
Ultra Compact and Powerful Marine Handheld with Land Mobile Features

Compact and Lightweight
The IC-M85 is the most compact (W×H×D: 56 × 92 × 29 mm; 2.2 × 3.6 × 1.1 in) and lightweight (weight: 246 g; 8.7 oz (with BP-290, FA-SC58V and MBB-3)) commercial grade marine and land mobile hybrid radio in the world.*

Automated Emergency Alarm
The IC-M85 has three emergency related functions: the MOB Alarm, Man Down and Lone Worker functions. If one of these functions are activated, the radio automatically makes an emergency alarm.

Covering 136–174 MHz Land Mobile Frequency
In addition to VHF marine channels, the IC-M85 covers 136–174 MHz land mobile channels. Up to 100 programmable channels are available for land mobile use. Each channel is programmable with CTCSS and DTCS tone.

Instant Operation with Multi-Function Button
Channel group changing (marine → land mobile) or the scrambler function ON/OFF can be assigned in the multi-function button on the top panel*. The Key lock function can be activated by holding the button. * Ask your dealer for details.

700 mW Powerful Audio
Despite its compact body, the IC-M85 delivers 700 mW of loud audio. Clear communications is vital in noisy environments.

IP67 and MIL-STD Rugged Construction
The IC-M85 is built durable to endure 1 m submersion for 30 minutes and dust-tight protection. The radio also passes MIL-STD-810 specifications.

Private Conversation
The radio has a built-in Voice Scrambler and provides private communication between stations (32-code, compatible with UT-112 voice scrambler unit).

And More
AquaQuake™ prevents audio degradation from a water-logged speaker. Internal VOX capability for hands-free operation. 14 hours of long battery life (TX: RX: Standby:5:5:90). 5 W output power (land mobile channels for USA; 2 W) Weather channel receiving. Self check function checks internal temperature, and connected battery voltage (over voltage detection) Monitor function Priority scan function Dual/Tri-watch function for monitoring CH16 and/or call channel. Favorite channel function for quick access to often used channels.

VHF MARINE TRANSCEIVER
IC-M85

Supplied accessories:
BP-290 battery pack IC-227 rapid charger IC-1235* AC adapter FA-SC58V antenna MBB-3 belt clip Hand strap

* SA for USA plug SE for Europe plug.

Variety of Audio Accessories

Hands-Free Operation with Headsets

Earphones and Speaker Microphones for Noisy Environments

Stylish Operation with Tie-Clip Microphone and Earphones

Covert Earphone

Variety of Audio Accessories

Hands-Free Operation with Headsets

Earphones and Speaker Microphones for Noisy Environments

Stylish Operation with Tie-Clip Microphone and Earphones

Covert Earphone

** 4.4 mm jack plug.

Covert Earphone

** 3.5 mm jack plug.

SP-20 Tube earphone

SP-26 Tube earphone

** 2.5 mm jack plug.

SP-28 Earhook type earphone

SP-29 Earhook type earphone

** 2.5 mm jack plug.

** 3.5 mm jack plug.

** 3.5 mm jack plug.

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IC–M85

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- FA-SC58V antenna
- MBB-3 belt clip
- Hand strap

Variety of Audio Accessories
- Submersible Speaker-Microphones
- Hands-Free Operation with Headsets
- Earphones and Speaker Microphones for Noisy Environments
- Stylish Operation with Tie-Clip Microphone and Earphones
- Covert Earphone
**ICOM**

**VHF MARINE TRANSCEIVER**

**IC-M85**

**SPECIFICATIONS**

**GENERAL**

<table>
<thead>
<tr>
<th>Marine channels</th>
<th>Land mobile channels</th>
</tr>
</thead>
<tbody>
<tr>
<td>156.000–163.275 MHz</td>
<td>162.000–174.000 MHz</td>
</tr>
</tbody>
</table>

**Options**

**BATTERY PACK AND CASE**

- **BP-290**
  - Nickel-cadmium battery with intelligent reporting
  - 10.8 V, 1910 mAh (min.)

- **BP-291**
  - Li-ion battery with intelligent reporting
  - 11.1 V, 2010 mAh (typ.)

**MULTI-CHARGER**

- **BC-214**
  - Charges up to six BP-290 batteries in 2.8 hours (approx.)
- **BC-219N**
  - Charges the BP-290 in 2.5 hours (approx.)

**ADJUSTABLE TYPE CHARGER**

- **AD-132N**
  - 16K0G3E 16K0F3E/11K0F3E
  - 5VAC 1.0 A (at 2 W)

**INTERNET TYPE CHARGER**

- **BC-247**
  - 156.050–163.275 MHz

**DESKTOP CHARGERS**

- **BC-157S**
  - Charges the BP-290 in 2.7 hours. (approx.)

**INTEGRAL CHARGER**

- **BC-247**
  - 156.050–163.275 MHz

**BELT CLIPS**

- **MB-511**
  - Swivel type

**BELT HANGERS**

- **MB-621**
  - Swivel type

**ACC ADAPTOR**

- **AD-108**
  - For use with BC-214

**CONNECTABLE TYPE CHARGER**

- **BC-228**
  - For use with BC-236

**DESKTOP CHARGERS**

- **BC-247**
  - 156.050–163.275 MHz

**DIMENSIONS**

- **56 × 92 × 29 mm; 2.2 × 3.6 × 1.1 in (With BP-290)**

**WEIGHT**

- **246 g; 8.7 oz**

**TRANSMITTER**

- **ICOM**
  - Power output: 5/3/1 W
  - Max. frequency deviation: ±5.0 kHz
  - Frequency stability: ±5.0 ppm

**RECEIVER**

- **ICOM**
  - Adjacent channel selectivity: 70 dB typical
  - Spurious response: 70 dB typical
  - Intermodulation: 70 dB typical

**Power supply requirement**

- **1910 mAh (min.)**

**Current**

- **1.5 A (at 5 W)**

**Multichannel capability**

- **100 land mobile channels**

**Suitable for emergency use**

- **Ingress Protection Standard**
  - D: Dust tight
  - IP67 (Dust-tight and waterproof protection)

**Applications**

- **Marine and Land Mobile Radio Combined in One**

**Count on us!**

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**ICOM (Europe) GmbH**

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