



# VHF MARINE TRANSCEIVER IC-M36



"Automatic Volume Adjustment"

"Noise Cancelling Mic"

"Loud, Instant Maximum Audio"

- "Motor boats"
- "Engine noise"
- "Personal watercraft"
- "700mW Audio with BTL Amp"
- "Forklifts and wharf"
- "Large cargo vessels and tug boats"
- "Wharf Crane"
- "Landing and unloading"
- "Gusts of wind"
- "Engine noise"
- "Personal watercraft"
- "Roar of waves"

## CLEAR VOICE BOOST

(Clear Voice + Voice Boost)

In marine environments there are many sources of noise that can affect the quality of your communications, such as engine noise, breaking surf and more. The IC-M36 automatically adjusts the outgoing voice and the incoming audio to compensate for the ambient noise level: whether you're in a loud environment or in a quiet area, the IC-M36 ensures your radio conversation is sent and received as clearly as possible.

## And yes, it floats too!

Continuing the legacy of the IC-M34, the IC-M36 floats back up to the surface if dropped overboard, even if the optional speaker microphone, HM-165, is attached.



**FLOATING**

**Submersible**  
1m depth for 30 minutes



## LOUD button

When you need an instant "boost" in the volume, a simple push of the "LOUD" button gives you full volume immediately. In addition, holding the "LOUD" button mutes the audio output.

## Noise cancelling microphone

The sub-microphone on the rear panel inverts phase and cancels out ambient noise from the main microphone. As a result, the IC-M36 reduces the affect of background noise (particularly treble noise) from the transmitted signal and makes it easier to catch voice communication.

## Automatic volume adjustment

When in an engine room or high noise environment, the sub-microphone detects the ambient noise and the IC-M36 automatically increases the volume output to suit the surrounding environment.

## Low power consumption

Although the IC-M36 delivers a high 6W RF output and 700mW audio output, its current saving circuit offers a practical 8 hours\* of operating time with the supplied 980mAh Lithium-Ion battery pack.

\* Typical operation with Tx (Hi): Rx: standby=5:5:90

## Large buttons and slim dimensions

Thanks to the large, easy-to-operate buttons, the IC-M36 provides intuitive operation. A pinched-waist slender body makes it easy to hold and carry the radio, and is surprisingly compact for a floating radio.

## Other features

- Waterproof construction equivalent to IPX7 (1m depth for 30 minutes)
- Dual/Tri-watch functions
- Weather channel with weather alert
- 4-step battery life indicator
- Auto scan function
- Instant access to Ch 16 or Ch 9

## SPECIFICATIONS

### GENERAL

- Frequency range :
  - Tx 156.025-157.425MHz
  - Rx 156.050-163.275MHz
- Usable channel groups : INT, USA, CAN, WX channels
- Type of emission : 16K0G3E (FM)
- Current drain (at 7.4V DC) :
  - Tx 6W output 1.5A typical
  - Rx AF max.
  - Internal speaker 300mA typ.
  - External speaker 200mA typ.
  - Power save 10mA typ.
- Operating temp. range : -20°C to +60°C; -4°F to +140°F
- Antenna impedance : 50Ω (STUD)

- Dimensions (W×H×D) : 62×139.5×43 mm; (projections not included) 27/16×51/2×111/16 in
- Weight (approx.) : 295g; 10.4oz (With BP-252, FA-SC58V, MB-109)

### TRANSMITTER

- Output power (Hi/Low) : 6W/1W 2W/1W (Alkaline cells)
- Max. frequency deviation : ±5kHz
- Frequency error : ±10ppm
- Spurious emissions : -68dBc typ.
- Adjacent channel power : 70dB
- Audio harmonic distortion : Less than 10% (at 60% dev.)
- Residual modulation : 40dB

### RECEIVER

- Sensitivity (at 12dB SINAD) : 0.25µV typ.
- Squelch sensitivity : 0.35µV typ. (at threshold)
- Adjacent Ch. selectivity : 70dB typ.
- Spurious response : 70dB typ.
- Intermodulation rejection : 70dB typ.
- Hum and noise ratio : 40dB
- Audio output power (at 10% distortion) :
  - Internal speaker 700mW typ. (16Ω load)
  - External speaker 350mW typ. (8Ω load)

### Supplied accessories:

- Battery pack, BP-252
- AC adapter, BC-147SA/BC-174E
- Antenna, FA-SC58V
- Battery charger, BC-173
- Belt clip, MB-109
- Hand strap

Measurements made in accordance with TIA/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.



**BP-251 BATTERY CASE**  
Battery case for AAA (LR03)×5 alkaline cells. Output power: 2W.  
**BP-252 7.4V/980mAh Li-Ion BATTERY PACK**  
Provides 8 hours operating time (approx.). (Typical operation with Tx (Hi): Rx: standby=5:5:90)



**BC-173 DESKTOP CHARGER**  
+ **BC-147SA AC ADAPTER** (for USA) or **BC-174E AC ADAPTER** (for Asia)  
Charges the battery pack, BP-252, in 10 hours (approx.).



**BC-145A AC ADAPTER**  
+ **BC-162 DESKTOP CHARGER**  
Rapidly charges the battery pack, BP-252, in 2 hours (approx.).



**HM-165 SPEAKER-MICROPHONE**  
Waterproof construction equivalent to IPX7 (1 m depth for 30 min.).



**MB-109 BELT CLIP**  
Alligator type. Same as supplied.



**FA-SC58V ANTENNA**  
Soft flexible antenna. Same as supplied.

Please note : The noise cancellation can produce little or no effect in some conditions depending on type of noise, or the position and distance between the noise source and the microphone, etc. The noise cancellation does not work when an optional external speaker-microphone is connected.

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