



INSTRUCTION MANUAL

VHF MARINE TRANSCEIVER IC-M36

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

Icom Inc.



Thank you for choosing this Icom product.

This product is designed and built with Icom's state of the art technology and craftsmanship. With proper care, this product should provide you with years of trouble-free operation.

IMPORTANT

READ ALL INSTRUCTIONS carefully and completely before using the transceiver.

SAVE THIS INSTRUCTION MANUAL—This instruction manual contains important operating instructions for the IC-M36 VHF MARINE TRANSCEIVER.

EXPLICIT DEFINITIONS

WORD	DEFINITION
⚠ DANGER	Personal death, serious injury or an explosion may occur.
⚠ WARNING	Personal injury, fire hazard or electric shock may occur.
CAUTION	Equipment damage may occur.
NOTE	If disregarded, inconvenience only. No risk of personal injury, fire or electric shock.

FEATURES

Floating on water

The transceiver floats on fresh or salt water, even when the supplied accessories are attached.

- When a third-party battery pack, strap, antenna, and so on, is used, it may sink.
- The battery contacts may be prone to rust if the transceiver is kept floating on the water.



Clear voice boost

The transceiver has a noise detection function which enables automatic volume adjustment, and the volume loud function that enables you to maximize the volume level instantly to provide clear communication in the noisy marine environments.

Noise cancelling microphone

The sub-microphone on the rear panel inverts the phase and cancels out the ambient noise from the main microphone. As a result, the transceiver can reduce the influence of the background noise (particularly treble noise) on the transmitted signal.

- The noise cancellation can produce no effect according to conditions such as loudness and 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.

IN CASE OF EMERGENCY

If your vessel requires assistance, contact other vessels and the Coast Guard by sending a distress call on Channel 16.

○ **USING CHANNEL 16**

DISTRESS CALL PROCEDURE

1. "MAYDAY MAYDAY MAYDAY."
2. "THIS IS " (name of vessel)
3. Your call sign or other indication of the vessel.
4. "LOCATED AT " (your position)
5. The nature of the distress and assistance required.
6. Any other information which might facilitate the rescue.

RECOMMENDATION

CLEAN THE TRANSCEIVER THOROUGHLY IN A BOWL OF FRESH WATER after exposure to saltwater, and dry it before operating. Otherwise, the transceiver's keys, switches, and controllers may become unusable, due to salt crystallization, and/or the charging terminals of the battery pack may corrode.

NOTE: If the transceiver's waterproof protection appears defective, carefully clean it with a soft, damp (fresh water) cloth, then dry it before operating.

The transceiver may lose its waterproof protection if the case, jack cap, or connector cover is cracked or broken, the transceiver has been dropped, or the battery pack is detached.

Contact your Icom distributor or your dealer for advice.

FCC INFORMATION

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

PRECAUTIONS

⚠ **DANGER! NEVER** short terminals of the battery pack. Also, current may flow into nearby metal objects such as a key, so be careful when placing the battery packs (or the transceiver) in handbags, and so on. Simply carrying with or placing near metal objects such as a key, and so on may cause shorting. This may damage not only the battery pack, but also the transceiver.

⚠ **DANGER! NEVER** use and charge other than the specified Icom battery pack with Icom radios or Icom charger. Only Icom battery pack is tested and approved for use and charge with Icom radios or Icom charger. Using third-party or counterfeit battery packs or charger may cause smoke, fire, or cause the battery to burst.

⚠ **DANGER! NEVER** operate the transceiver near unshielded electrical blasting caps or in an explosive atmosphere.

⚠ **WARNING! NEVER** connect the transceiver to an AC outlet. This may pose a fire hazard or result in an electric shock.

⚠ **WARNING! NEVER** hold the transceiver so that the antenna is closer than 2.5 cm (1 inch) from exposed parts of the body, especially the face or eyes, while transmitting. The transceiver will perform best if the microphone is 5 to 10 cm (2 to 4 inches) away from the lips and the transceiver is vertical.

PRECAUTIONS (Continued)

CAUTION: DO NOT attach the battery unless the flexible antenna, battery pack and jack cover are securely attached to the transceiver. Confirm that the antenna and battery pack are dry before attaching. Exposing the inside of the transceiver to dust or water can cause serious damage to the transceiver.

After exposure to water, clean the battery contacts thoroughly with fresh water and dry them completely to remove any water or salt residue.

NEVER connect the transceiver to a power source other than the BP-251 (option) or BP-252. Such a connection will ruin the transceiver.

DO NOT operate or place the transceiver in direct sunlight or in areas with temperatures below -20°C (-4°F) or above $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$).

DO NOT use harsh solvents such as Benzine or alcohol when cleaning, as they will damage the transceiver surfaces.

DO NOT push [PTT] when not actually intending to transmit.

DO NOT modify the transceiver. The transceiver warranty does not cover any problems caused by unauthorized modifications.

PLACE the transceiver in a secure place to avoid inadvertent use by unauthorized persons.

KEEP the transceiver at least 0.9 meters (3.0 ft) away from your vessel's magnetic navigation compass.

BE CAREFUL! The transceiver's right-side panel will become hot when operating continuously for long periods of time.

BE CAREFUL! The transceiver meets IPX7* requirements for waterproof protection. However, once the transceiver has been dropped, waterproof protection cannot be guaranteed because of possible damage to the transceiver's case or the waterproof seal.

* Only when the BP-251 (option) or BP-252, flexible antenna, [SP MIC] cap is attached.

MAKE SURE to turn OFF the transceiver power before connecting or disconnecting the supplied or optional accessory.

Icom is not responsible for the destruction, damage to, or performance of any Icom or non-Icom equipment, if the malfunction is because of:

- Force majeure, including, but not limited to, fires, earthquakes, storms, floods, lightning, other natural disasters, disturbances, riots, war, or radioactive contamination.
- The use of Icom transceivers with any equipment that is not manufactured or approved by Icom.

For USA only

CAUTION: Changes or modifications to this device, not expressly approved by Icom Inc., could void your authority to operate this device under FCC regulations.

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TABLE OF CONTENTS

IMPORTANT	i	5 SCAN OPERATION	14–15
EXPLICIT DEFINITIONS	i	■ Scan types	14
FEATURES	i	■ Setting TAG channels	15
IN CASE OF EMERGENCY	ii	■ Starting a scan	15
RECOMMENDATION	ii	6 DUALWATCH/TRI-WATCH	16
FCC INFORMATION	iii	■ Description	16
PRECAUTIONS	iii	■ Operation	16
1 OPERATING RULES	1	7 SET MODE	17–20
2 SUPPLIED ACCESSORIES AND ATTACHMENTS	2–3	■ Set mode programming	17
■ Supplied accessories	2	■ Set mode items	18
■ Attachments	2	8 BATTERY CHARGING	21–24
3 PANEL DESCRIPTION	4–7	■ Battery caution	21
■ Front, top, side and rear panels	4	■ Supplied battery charger	23
■ Function display	6	■ Optional battery case	23
4 BASIC OPERATION	8–13	■ Optional battery charger	24
■ Channel selection	8	9 OPTIONAL SPEAKER-MICROPHONE	25
■ Receiving and transmitting	10	■ HM-165 descriptions	25
■ Call channel programming	11	■ Attachment	25
■ Adjusting the volume level	11	10 TROUBLESHOOTING	26
■ Volume loud function	12	11 VHF MARINE CHANNEL LIST	27
■ Volume mute function	12	12 SPECIFICATIONS AND OPTIONS	28
■ Adjusting the squelch level	12	■ Specifications	28
■ Lock function	13	■ Options	28
■ Monitor function	13	13 SAFETY TRAINING INFORMATION	29
■ Automatic backlighting	13		
■ AquaQuake water draining function	13		

◇ **Priorities**

- Read all rules and regulations pertaining to priorities and keep an up-to-date copy handy. Safety and distress calls take priority over all others.
- You must monitor Channel 16 when you are not operating on another channel.
- False or fraudulent distress calls are prohibited under law.

◇ **Privacy**

- Information overheard but not intended for you cannot lawfully be used in any way.
- Indecent or profane language is prohibited.

◇ **Radio licenses**

(1) SHIP STATION LICENSE

You must have a current radio station license before using the transceiver. It is unlawful to operate a ship station which is not licensed.

Inquire through your dealer or the appropriate government agency for a Ship-Radiotelephone license application. This government-issued license states the call sign which is your craft's identification for radio purposes.

(2) OPERATOR'S LICENSE

A Restricted Radiotelephone Operator Permit is the license most often held by small vessel radio operators when a radio is not required for safety purposes.

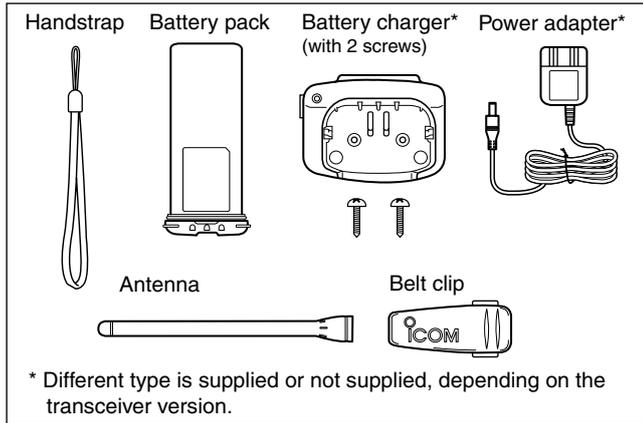
The Restricted Radiotelephone Operator Permit must be posted or kept with the operator. Only a licensed radio operator may operate a transceiver.

However, non-licensed individuals may talk over a transceiver if a licensed operator starts, supervises, ends the call and makes the necessary log entries.

A current copy of the applicable government rules and regulations is only required to be on hand for vessels in which a radio telephone is compulsory. However, even if you are not required to have these on hand it is your responsibility to be thoroughly acquainted with all pertinent rules and regulations.

NOTE: Even though the IC-M36 is capable of operation on VHF marine channels 3, 21, 23, 61, 64, 81, 82 and 83, according to FCC regulations these simplex channels cannot be lawfully used by the general population in USA waters.

Supplied accessories



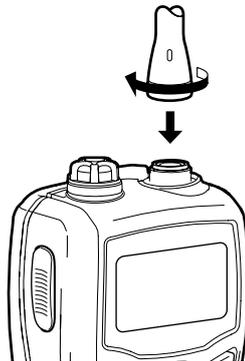
Attachments

Flexible antenna

Connect the supplied flexible antenna to the antenna connector.

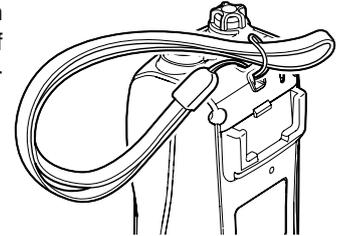
CAUTION:

- **NEVER** carry the transceiver by holding only the antenna.
- Transmitting without an antenna may damage the transceiver.



Handstrap

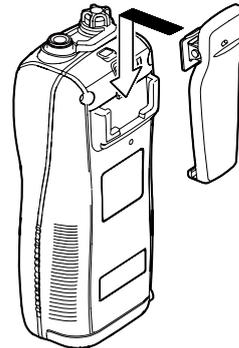
Pass the handstrap through the loop on the back side of the transceiver. This facilitates carrying.



Belt clip

Attach/detach the belt clip to the transceiver.

To attach the belt clip



To detach the belt clip



◆ Battery pack

To remove the battery pack:

Turn the screw counter clockwise one quarter turn, then pull the battery pack in the direction of the arrow, as shown below.

To attach the battery pack:

Insert the battery pack in the transceiver completely, then turn the screw clockwise one quarter turn.

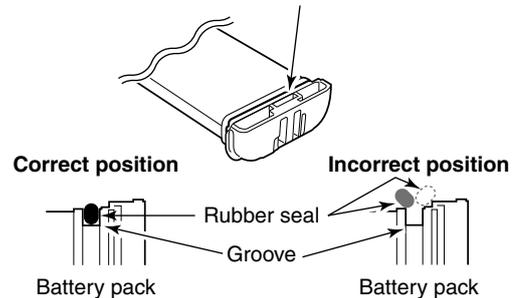
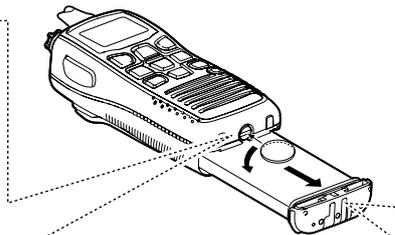
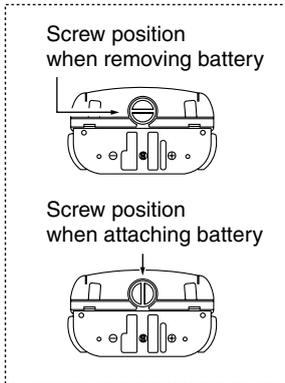
NEVER remove or insert the battery pack when the transceiver is wet or soiled. This may result water or dust getting into the transceiver/battery pack and may result in the transceiver being damaged.

NOTE: When removing or attaching the battery pack, use a coin or standard screwdriver to loosen or tighten the bottom screw.

CAUTION: When attaching or removing a battery pack, make sure the rubber seal is correctly set in the groove of the battery pack. If the seal is not correctly in the groove, it may be damaged when attaching the battery pack. If the seal is damaged, waterproof protection is not guaranteed.

NOTE: When attaching a battery pack, make sure dust or other material does not adhere to the rubber seal. If dust or other material is on the seal when attaching a battery pack, waterproof protection may not be guaranteed.

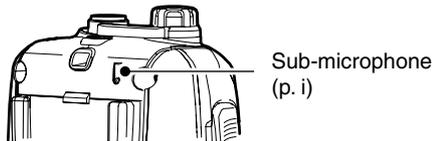
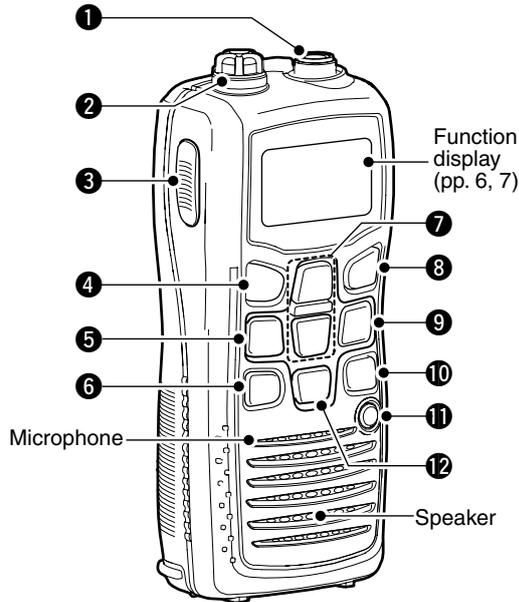
Make sure the rubber seal (purple) is properly seated in the groove and dust or other material does not adhere to it.



3

PANEL DESCRIPTION

■ Front, top, side and rear panels



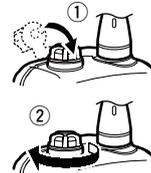
1 ANTENNA CONNECTOR (p. 2)

Connects to the supplied antenna.

2 SPEAKER-MICROPHONE CONNECTOR [SP MIC] (p. 25)

Connects to the optional external speaker-microphone.

NOTE: Attach the [SP MIC] cap when the optional speaker-microphone is not used. Otherwise, water will get into the transceiver.



1 Attach the [SP MIC] cap.

2 Then rotate it completely clockwise.

3 PTT SWITCH [PTT]

Hold down to transmit, release to receive. (p. 10)

4 CHANNEL 16 KEY [16 9]

➔ Push to select Channel 16. (p. 8)

➔ Hold down for 1 second to select the Call channel. (p. 8)

➔ When the Call channel is selected, hold down for 3 seconds to enter the Call channel entry mode. (p. 11)

➔ While in the set mode, push to return to the normal mode. (p. 17)

Count on us!

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