



## INSTRUCTION MANUAL

# VHF MARINE TRANSCEIVER **IC-M71**

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Icom Inc.





## DECLARATION OF CONFORMITY

We Icom Inc. Japan  
1-1-32, Kamiminami, Hirano-ku  
Osaka 547-0003, Japan

Declare on our sole responsibility that this equipment complies the essential requirements of the Radio and Telecommunications Terminal Equipment Directive, 1999/5/EC, and that any applicable Essential Test Suite measurements have been performed.

**Kind of equipment:** VHF MARINE TRANSCEIVER

**Type-designation:** IC-M71

**Version (where applicable):**

This compliance is based on conformity with the following harmonised standards, specifications or documents:

- i) EN 301 178-2 V1.1.1 (2000-8)
- ii) EN 60945 2002
- iii) EN 60950-1 2001
- iv) EN 300 698-2 V1.1.1 (2000-8)
- v) EN 300 698-3 V1.1.1 (2001-5)
- vi) \_\_\_\_\_
- vii) \_\_\_\_\_

**C E0560** ⓘ

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Place and date of issue

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General Manager

Signature

Icom Inc.



CE Versions of the IC-M71 which display the “CE” symbol on the serial number label, comply with the essential requirements of the European Radio and Telecommunication Terminal Directive 1999/5/EC.



This warning symbol indicates that this equipment operates in non-harmonised frequency bands and/or may be subject to licensing conditions in the country of use. Be sure to check that you have the correct version of this radio or the correct programming of this radio, to comply with national licensing requirement.

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## IN CASE OF EMERGENCY

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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. Say your call sign or other indication of the vessel.
4. "LOCATED AT ..... " (your position)
5. State the nature of the distress and assistance required.
6. Give any other information which might facilitate the rescue.

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## RECOMMENDATION

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**CLEAN THE TRANSCEIVER THOROUGHLY WITH FRESH WATER** after exposure to saltwater, and dry it before operation. Otherwise, the transceiver's keys, switches and controllers may become inoperable due to salt crystallization.

**NOTE: DO NOT** wash the transceiver in water if there is any reason to suspect the waterproofing may not be effective. For example, in cases where the transceiver/battery pack is cracked or broken, or has been dropped, or when the battery pack is detached from the transceiver.



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## FOREWORD

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Thank you for purchasing this Icom radio. The IC-M71 VHF MARINE TRANSCEIVER 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.

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## IMPORTANT

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**READ ALL INSTRUCTIONS** carefully and completely before using the transceiver.

**SAVE THIS INSTRUCTION MANUAL**—This instruction manual contains important operating instructions for the IC-M71.

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## EXPLICIT DEFINITIONS

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

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## FEATURES

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### 👉 **Submersible construction**

Built tough to withstand the punishing marine environment, the IC-M71's submersible construction meets IPX8 requirements for waterproof protection (1.5 meter depth for 30 min.).

\* Only when the BP-245N, flexible antenna, and **[SP MIC]** cap are attached.

In addition, the new speaker grill structure with a water self-draining function is helpful for draining water or seawater easily.

### 👉 **Dualwatch and tri-watch functions**

Convenient functions that allow you to monitor the distress channel (Ch 16) while receiving one other channel of your choice (dualwatch), or while receiving one other channel of your choice and the call channel (tri-watch). See p. 16 for details.

### 👉 **Large, easy-to-read LCD**

With the generous dimensions of 22.5(H) × 31.5(W) mm, the IC-M71's function display is easy to read and shows operating conditions at a glance. Backlighting and contrast can be adjusted to suit your preferences.

### 👉 **Simple operation**

The volume knob is on top of the radio, while the channel buttons are on the front panel. This allows for convenient, one-handed operation.

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## PRECAUTIONS

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**⚠ 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 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 away from the lips and the transceiver is vertical.

**NEVER** connect the transceiver to a power source other than the BP-245N. Such a connection will ruin the transceiver.

**DO NOT** use or place the transceiver in direct sunlight or in areas with temperatures below  $-15^{\circ}\text{C}$  or above  $+55^{\circ}\text{C}$ .

**KEEP** the transceiver out of the reach of children.

**KEEP** the transceiver at least 0.9 meters away from your vessel's magnetic navigation compass.

**BE CAREFUL!** The transceiver meets IPX8\* 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-245N, flexible antenna, and **[SP MIC]** cap are attached.

**MAKE SURE** the flexible antenna and battery pack are securely attached to the transceiver, and that the antenna and battery pack are dry before attachment. Exposing the inside of the transceiver to water will result in serious damage to the transceiver.

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## ◇ 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

When your craft is equipped with a VHF FM transceiver, 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. This license includes 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 near the transceiver or be 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.

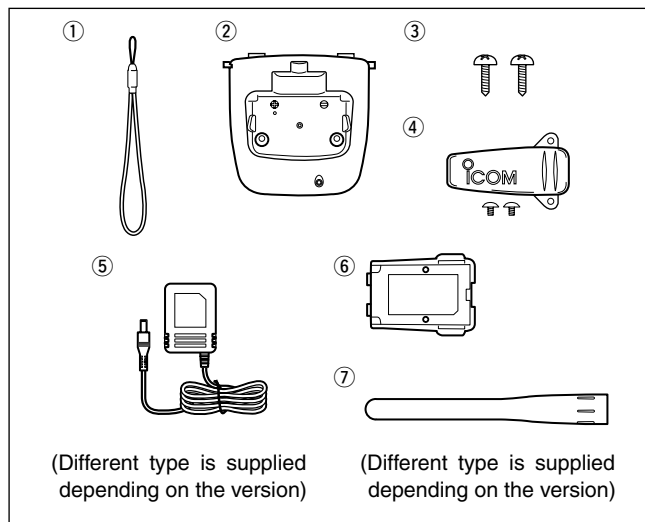
A current copy of the applicable government rules and regulations is only required to be on hand for vessels in which a radio telephone is compulsory. However, even if you are not required to have these on hand it is your responsibility to be thoroughly acquainted with all pertinent rules and regulations.

## ■ Supplied accessories

The following accessories are supplied:

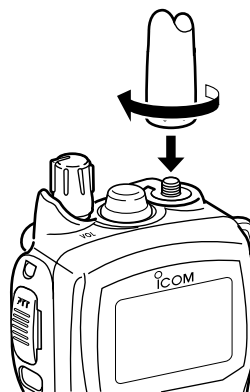
	Qty.
① Handstrap .....	1
② Battery charger .....	1
③ Screws for the battery charger (M3.5×30) .....	2
④ Belt clip (with screws) .....	1
⑤ AC adapter* .....	1
⑥ Li-Ion battery pack .....	1
⑦ Flexible antenna .....	1

\*Not supplied with some versions.



## ■ Attachments

### ◇ Flexible antenna

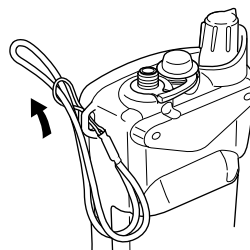


Connect the supplied flexible antenna to the antenna connector.

**CAUTION:** Transmitting without an antenna may damage the transceiver.

**NEVER** carry the transceiver by holding the antenna.

### ◇ Handstrap

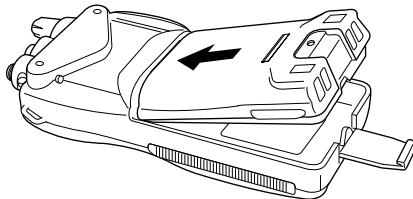


Pass the handstrap through the loop on the top corner of the transceiver as illustrated at left. Facilitates carrying.

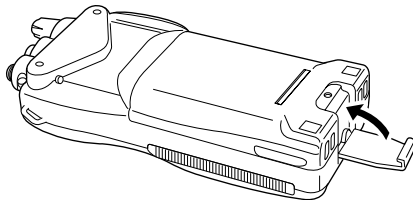


### ◆ Battery pack

- ① Attach the battery pack into the transceiver as below.



- ② Lock the battery pack with the latch.



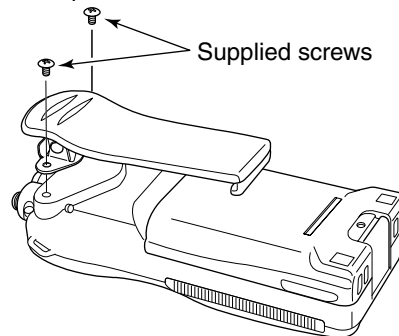
#### CAUTION:

**NEVER** attach or detach the battery pack when wet.

**Be careful** when releasing the latch. Because the latch is tightly locked, don't use a finger nail to open it— you may injure yourself. Instead, use something relatively flat, like the edge of a coin or the tip of a screwdriver, to carefully release the latch.

### ◆ Belt clip

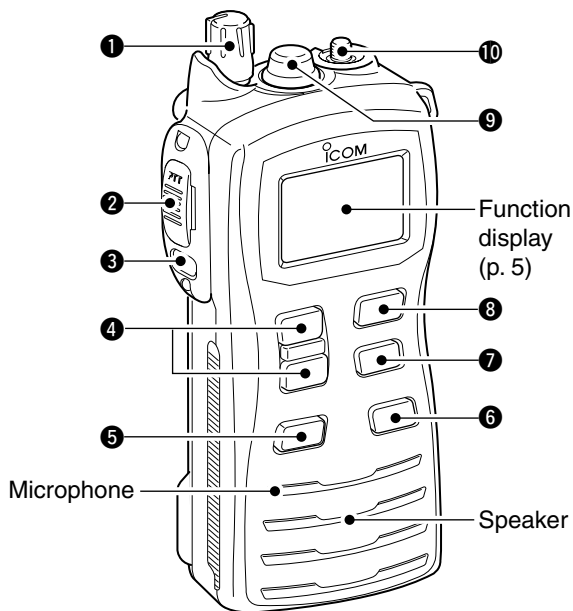
Attach the belt clip to the transceiver as illustrated below.



# 3

## PANEL DESCRIPTION

### ■ Front, top and side panels



#### ① VOLUME CONTROL [VOL]

Turns power ON and adjusts the audio level.

#### ② PTT SWITCH [PTT]

Push and hold to transmit; release to receive.

#### ③ MONITOR KEY [(M)]

- Manually opens the squelch for monitoring the channel while pushed and held. (p. 10)
- Push this switch, then adjust the squelch level with [▲]/[▼]. (p. 11)
- While pushing and holding this switch, turn power ON to enter the SET mode. (p. 17)

#### ④ CHANNEL UP/DOWN KEYS [▲]/[▼]

- Selects an operating channel. (pgs. 7–9)
- Selects the SET mode condition of the item. (p. 17)
- Selects the SET mode item when pushed with [(M)]. (p. 17)
- Checks TAG channels or changes scanning direction during scan. (p. 15)

#### ⑤ CHANNEL 16 KEY [16•C]

- Selects Channel 16 when pushed. (p. 7)
- Selects call channel when pushed for 1 sec. (p. 7)
- Enters call channel write mode when the call channel is selected and this key is pushed and held for 3 sec. (p. 10)

**Count on us!**

**<Intended Country of Use>**

- ☐ GER ☐ FRA ☐ ESP ☐ SWE  
☐ AUT ☐ NED ☐ POR ☐ DEN  
☐ GBR ☐ BEL ☐ ITA ☐ FIN  
☐ IRL ☐ LUX ☐ GRE ☐ SUI  
☐ NOR

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