



INSTRUCTION MANUAL

UHF MARINE TRANSCEIVER

IC-F61M

Icom Inc.



FOREWORD



Thank you for purchasing this Icom transceiver. The IC-F61M UHF 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.

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-F61M UHF MARINE TRANSCEIVER.

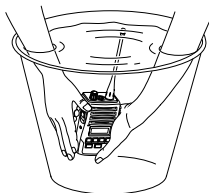
EXPLICIT DEFINITIONS

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.

RECOMMENDATION

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.

PRECAUTIONS

DANGER! NEVER short terminals (or charging 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, etc.

Simply carrying with or placing near metal objects such as a key, etc. may cause shorting. This may damage not only the battery pack, but also the transceiver.

DANGER! Use and charge only specified Icom battery packs with Icom transceivers or Icom chargers. Only Icom battery packs are tested and approved for use with Icom transceivers or charged with Icom chargers. Using third-party or counterfeit battery packs or chargers may cause smoke, fire, or cause the battery to burst.

⚠ **WARNING! NEVER** hold the transceiver so that the antenna is very close to, or touching 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.

PRECAUTIONS

⚠ **WARNING! NEVER** operate the transceiver with a headset or other audio accessories at high volume levels. The continuous high volume operation may cause a ringing in your ears. If you experience the ringing, reduce the volume level or discontinue use.

⚠ **WARNING! NEVER** operate the transceiver while driving a vehicle. Safe driving requires your full attention—anything less may result in an accident.

⚠ **CAUTION! NEVER** connect the transceiver to a power source other than the BP-226, BP-227 or BP-274. Such a connection will ruin the transceiver.

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

DO NOT push [PTT] when you do not actually intend to transmit.

DO NOT operate or place the transceiver in direct sunlight or in areas with temperatures below -20°C or above $+55^{\circ}\text{C}$.

DO NOT modify the transceiver. The specifications may change and then not comply with the requirements of a corresponded regulation. The transceiver warranty does not cover any problems caused by unauthorized modification.

DO NOT operate the transceiver near unshielded electrical blasting caps or in an explosive atmosphere.

BE CAREFUL! The IC-F61M meets IP67* requirements for dust-tight and waterproof protection. However, once the transceiver has been dropped, dust-tight and waterproof protection cannot be guaranteed because of possible damage to the transceiver's case or the waterproof seal.

*Only when the supplied battery pack, flexible antenna and jack cover are attached.

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

BE CAREFUL! The transceiver will become hot when operating it continuously for long periods of time.

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

Even when the transceiver power is OFF, a slight current still flows in the circuits. Remove the battery pack or batteries from the transceiver when not using it for a long time. Otherwise, the installed battery pack or batteries will become exhausted, and will need to be recharged or replaced.

Keep the transceiver out of children's reach.

Keep the transceiver at least 1 m away from your vessel's magnetic navigation compass.

Icom optional equipment is designed for optimal performance when used with this transceiver. We are not responsible for the transceiver being damaged or any accident caused when using non-Icom optional equipment.

OPERATING NOTES

- When transmitting with a portable transceiver, hold the transceiver in a vertical position with its microphone 5 to 10 cm away from your mouth. Keep the antenna at least 2.5 cm from your head and body.
- If you wear a portable transceiver on your body, ensure that the antenna is at least 2.5 cm from your body when transmitting.

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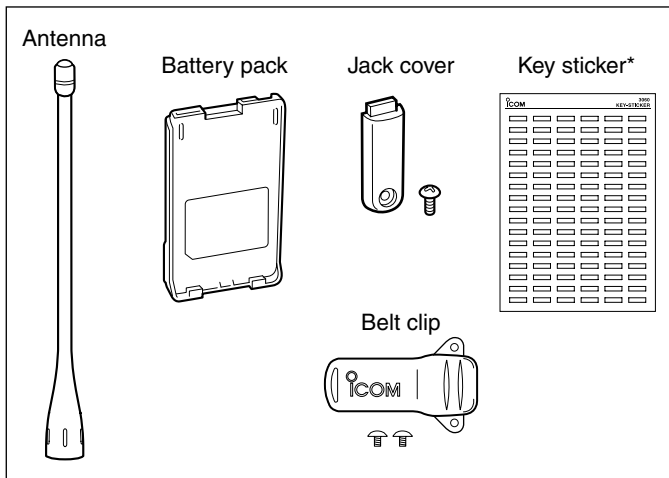
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1 ACCESSORIES

■ Supplied accessories



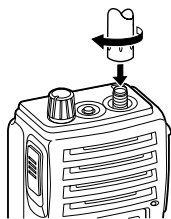
*There are no names on the programmable function keys since the functions can be freely assigned to [P0] to [P3], [Red], [▲] and [▼] keys.

Put the supplied key stickers on the appropriate keys for easy recognition of that key's assigned function.

■ Accessory attachments

◇ Flexible antenna

Connect the supplied flexible antenna to the antenna connector.



CAUTION:

- **NEVER** carry the transceiver by holding the antenna.
- **DO NOT** connect the antenna other than listed on page 41.
- Transmitting without an antenna may damage the transceiver.

◇ Battery pack

To attach the battery pack:

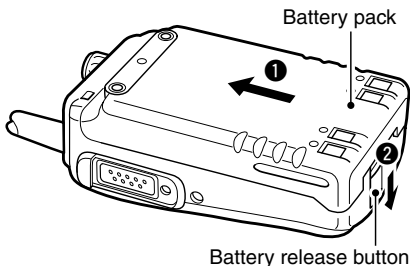
Slide the battery pack on the back of the transceiver in the direction of the arrow (①), then lock it with the battery release button.

- Slide the battery pack until the battery release button makes a 'click' sound.

To release the battery pack:

Push the battery release button in the direction of the arrow (②) as shown below. The battery pack is then released.

NEVER release or attach the battery pack when the transceiver is wet or soiled. This may cause water or dust to get into the transceiver/battery pack and may result in the transceiver being damaged.



NOTE: Keep the battery pack terminals clean. It's a good idea to occasionally clean them.

1 ACCESSORIES

◆ Jack cover

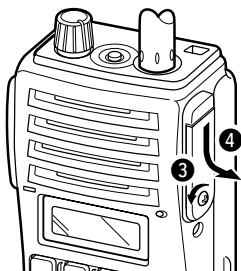
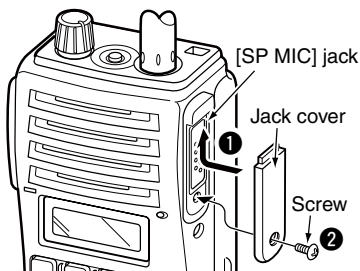
Attach the jack cover when the optional equipment is not used.

To attach the jack cover:

- 1 Insert the jack cover into the [SP MIC] jack.
- 2 Tighten the screw.

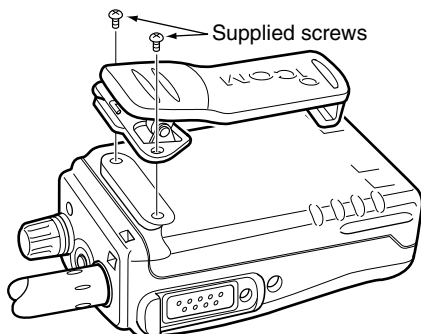
To detach the jack cover:

- 3 Unscrew the screw using a phillips screwdriver.
- 4 Detach the jack cover for the optional equipment connection.



◆ Belt clip

Attach the belt clip to the back of the transceiver with the supplied screws.



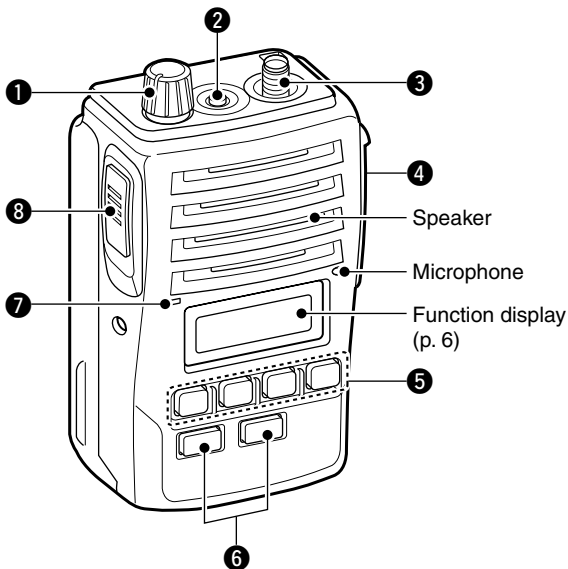
PANEL DESCRIPTION

2

■ Front, top and side panels

1

2



① VOLUME CONTROL [VOL]

Turns power ON and adjusts the audio level.

② RED BUTTON

The desired function can be assigned by your dealer. (p. 7)

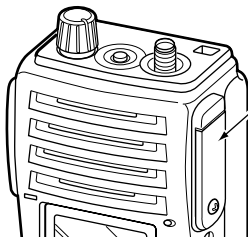
③ ANTENNA CONNECTOR

Connects the supplied antenna. (p. 2)

2 PANEL DESCRIPTION

4 EXTERNAL SPEAKER-MICROPHONE JACK [SP MIC]

Connects the optional speaker-microphone, etc.



[SP MIC] jack cover

NOTE: KEEP the [SP MIC] jack cover attached to the transceiver when the optional equipment is not used.
(See p. 3 for details)

5 DEALER-PROGRAMMABLE KEYS [P0] to [P3]

The desired functions can be assigned independently by your dealer. (p. 7)

6 CH UP AND DOWN KEYS [▲]/[▼]

Push to select an operating channel, etc.

*Desired functions can be assigned independently by your dealer.
(p. 7)

7 TRANSMIT/BUSY INDICATOR

Lights red while transmitting; lights green while receiving a signal, or when the squelch is open.

8 PTT SWITCH [PTT]

➡ Push and hold to transmit; release to receive.

➡ When the recording function is activated, TX voice message can be recorded while pushing and holding [PTT]. (p. 21)

Count on us!

< Intended Country of Use >

☐AT ☐BE ☐CY ☐CZ ☐DK ☐EE
☐FI ☐FR ☐DE ☐GR ☐HU ☐IE
☐IT ☐LV ☐LT ☐LU ☐MT ☐NL
☐PL ☐PT ☐SK ☐SI ☐ES ☐SE
☐GB ☐IS ☐LI ☐NO ☐CH ☐BG
☐RO ☐TR ☐HR

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