

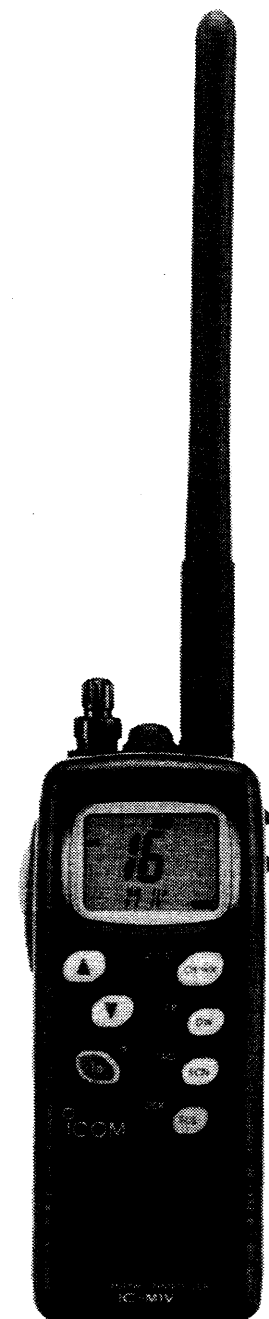
ICOM

INSTRUCTION MANUAL

VHF MARINE TRANSCEIVER **IC-M1V**

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Icom Inc.



FOREWORD

Thank you for purchasing this Icom product. The IC-M1V VHF MARINE TRANSCEIVER is designed and built with Icom's superior 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-M1V.

EXPLICIT DEFINITIONS

WORD	DEFINITION
⚠ WARNING	Personal injury, fire hazard or electric shock may occur.
CAUTION	Equipment damage may occur.
NOTE	Recommended for optimum use. No risk of personal injury, fire or electric shock.

CAUTION

⚠ 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 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 (2 to 4 in) away from the lips, and the transceiver is vertical.

NEVER connect the transceiver to a power source other than the BP-215L. Such a connection will ruin the transceiver.

NEVER charge battery packs except in the methods described in this manual.

AVOID using or placing the transceiver in areas with temperatures below -20°C (-4°F) or above $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$).

AVOID the use of chemical agents such as benzine or alcohol when cleaning, as they may damage the transceiver surfaces.

After exposure to saltwater, clean the transceiver thoroughly with fresh water to avoid corrosion.

BE CAREFUL! The transceiver rear panel will become hot when operating continuously for long periods.

BE CAREFUL! The IC-M1V employs waterproof construction, which corresponds to JIS waterproof specification, grade 7 (1 m/30 min.). However, once the transceiver has been dropped, waterproofing cannot be guaranteed due to the fact that the transceiver may be cracked, or the waterproof seal damaged, etc.

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.

KEEP the transceiver at least 1 m (3.3 ft) away from the ship's navigation compass.

KEEP the transceiver out of the reach of children.

For U.S.A. 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.

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

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◆ PRIORITIES

- ① 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.
- ② You must monitor channel 16 when you are not operating on another channel.
- ③ False or fraudulent distress signals are prohibited and punishable by law.

◆ PRIVACY

- ① Information overheard, but not intended for you, cannot lawfully be used in any way.
- ② 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

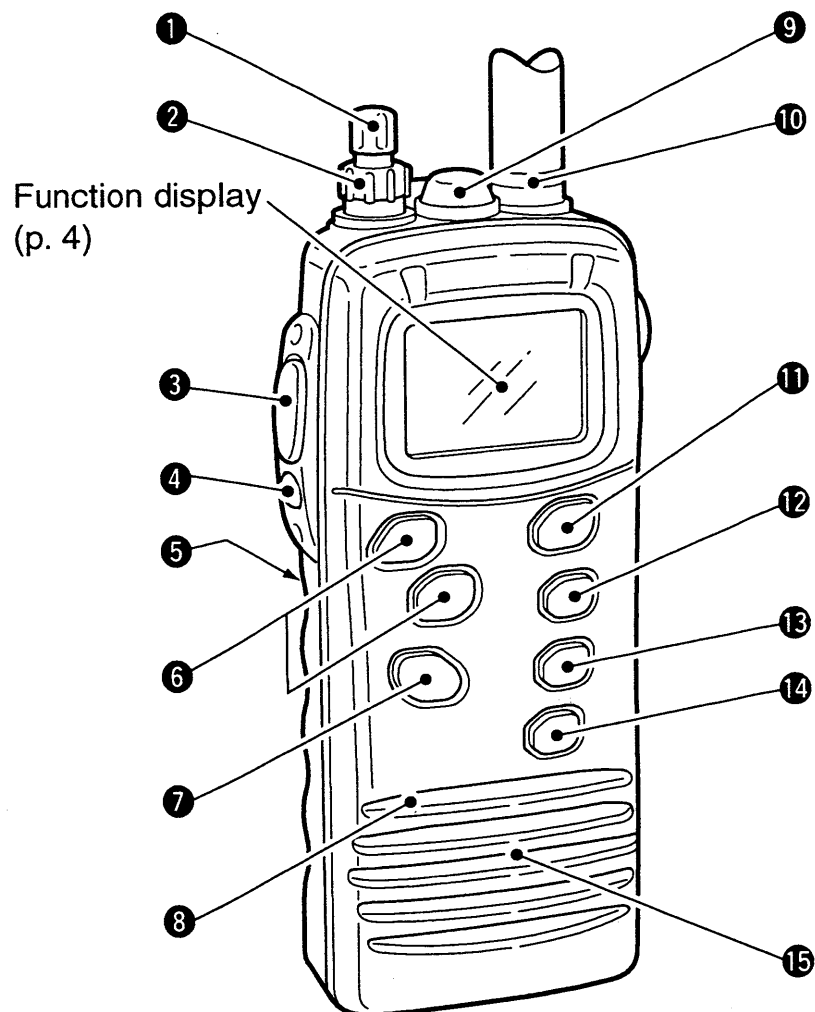
A Restricted Radiotelephone Operator Permit is the license most often held by small vessel radio operators when a radio is not required for safety purposes.

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.

Keep a copy of the current government rules and regulations handy.

■ Panel description



① VOLUME CONTROL [VOL]

Turns power ON and adjusts the audio level. (p. 9)

② SQUELCH CONTROL [SQL]

Sets the squelch threshold level. (p. 9)

③ PTT SWITCH [PTT]

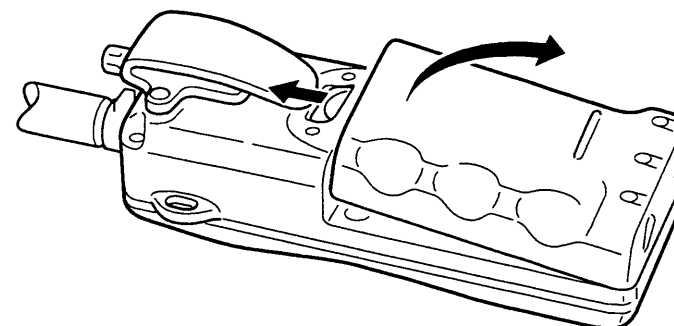
Transmits during push; receives during release. (p. 9)

④ MONITOR SWITCH [MONI]

- ➔ Opens the squelch and monitors the operating channel while being pushed.
- ➔ While turning power ON, enters the SET mode and is used to select the SET mode contents when pushed. (p. 16)

⑤ BATTERY PACK RELEASE BUTTON

- *To remove the battery pack:* Slide the battery release button upwards, then lift up the battery pack.
- *To attach the battery pack:* Mate the notched ends of the transceiver and the battery pack, and click the battery pack into place firmly. Ensure the battery that is properly attached.



⑥ CHANNEL UP/DOWN SWITCHES [▲]/[▼]

- ➔ Push either switch to change the operating channel. (pgs. 7–9)
- ➔ Checks tag channels or changes scanning direction during scan. (p. 13)
- ➔ Push either switch to change the setting during set mode. (p. 16)

⑦ CHANNEL 16 SWITCH [16•9]

- ➔ Selects channel 16 when pushed. (p. 7)
- ➔ Selects the call channel when pushed for 2 sec. (p. 7)
- ➔ Enters call channel write mode when the call channel is selected, and this switch is pushed for 5 sec. (p. 11)

⑧ INTERNAL MICROPHONE (p. 9)

⑨ SPEAKER-MICROPHONE CONNECTOR [SP MIC]

Connects the optional speaker-microphone. (p. 22)

⑩ ANTENNA CONNECTOR

Connects the supplied antenna. (p. 6)

⑪ CHANNEL/WEATHER CHANNEL SWITCH [CH/WX•U/I/C]

- ➔ Selects and changes the regular channels and weather channel when pushed momentarily. (p. 8)
- ➔ Selects one of 3 regular channels in sequence when pushed for 2 sec. (p. 8)
 - U.S.A., International and Canadian channels are available for regular channels.

⑫ DUALWATCH/TRI-WATCH SWITCH [DW•TRI]

- ➔ Starts dualwatch when pushed momentarily. (p. 14)
- ➔ Starts tri-watch when pushed for 2 sec. (p. 14)
- ➔ Stops dualwatch/tri-watch when either is activated. (p. 14)
- ➔ Enters comment writing condition when pushed while pushing and holding [MONI]. (p. 15)

⑬ SCAN SWITCH [SCAN•TAG]

- ➔ Starts and stops normal or priority scan when tag channels are programmed. (p. 13)
- ➔ Sets the displayed channel as a tag (scanned) channel when pushed for 2 sec. (p. 13)
- ➔ While turning power ON, clears all tag channels in the selected regular channel group when pushed. (p. 13)
- ➔ Activates an optional voice scrambler function while pushing [MONI]. (p. 10)

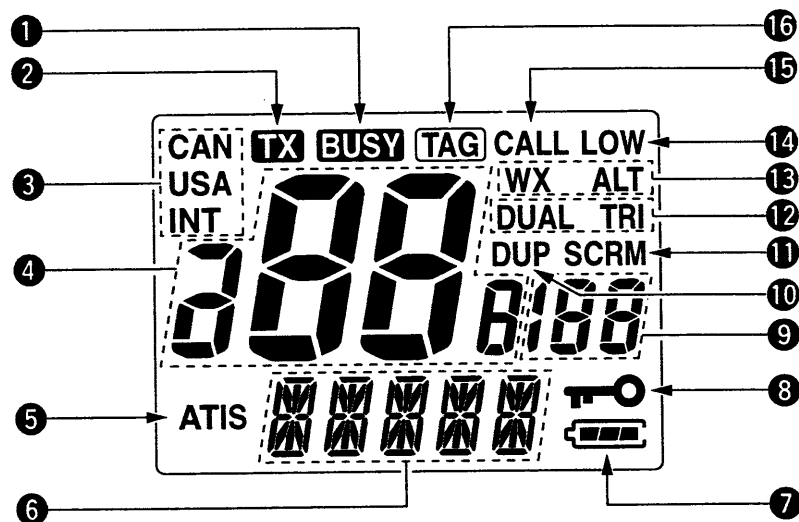
⑭ TRANSMIT POWER/LOCK SWITCH [H/L•LOCK]

- ➔ Changes high and low power (1 W) when pushed. (p. 9)
 - Some channels are set to low power only.
- ➔ While pushing [MONI], push this key to select extra low power (500 mW). (p. 9)
- ➔ Changes the lock function ON and OFF when pushed for 2 sec. (p. 10)

⑮ INTERNAL SPEAKER

2 PANEL DESCRIPTION

■ Function display



1 BUSY INDICATOR (p. 9)

Appears while receiving a signal or while the squelch is open.

2 TRANSMIT INDICATOR (p. 9)

Appears while transmitting.

3 CHANNEL GROUP INDICATORS (p. 8)

Appears "USA" when U.S.A.; "INT" when International; "CAN" when Canadian channel group is selected.

4 CHANNEL NUMBER READOUT

- Indicates the selected operating channel number. (pgs. 7, 8)
- In SET mode, indicates the selected condition. (pgs. 16–19)

5 ATIS INDICATOR





Appears while ATIS function is activated. (German version only)

6 COMMENT INDICATOR

- Indicates or scrolls operating channel comment, etc. (pgs. 7, 13, 15)
- In SET mode, indicates or scrolls the selected item. (pgs. 16–19)

7 BATTERY INDICATOR

Indicates remaining battery power.

Indication				
Battery level	Full	Middle	Charging required	No battery

8 LOCK INDICATOR (p. 10)

Appears while the lock function is activated.

9 SUB CHANNEL READOUT

- Indicates channel 16 during priority scan. (p. 13)
- Indicates channel 16 during dualwatch or tri-watch. (p. 14)

10 DUPLEX INDICATOR

Appears when a duplex channel is selected.

11 SCRAMBLER INDICATOR

Appears when the optional voice scrambler is activated. (p. 10)

12 DUALWATCH/TRI-WATCH INDICATORS (p. 14)

- “DUAL” blinks during dualwatch.
- “TRI” blinks during tri-watch.

13 WEATHER CHANNEL/WEATHER ALERT INDICATOR

(p. 8)

- “WX” appears when weather channel group is selected.
- “ALT” appears while the weather alert function is activated; blinks when alert tone is received.

14 LOW POWER INDICATOR (p. 9)

- Appears when low power is selected.
- Blinks when extra low power is selected.

15 CALL CHANNEL INDICATOR (p. 7)

Appears when a call channel is selected.

16 TAG CHANNEL INDICATOR (p. 13)

Appears when a tag channel is selected.

Count on us!

