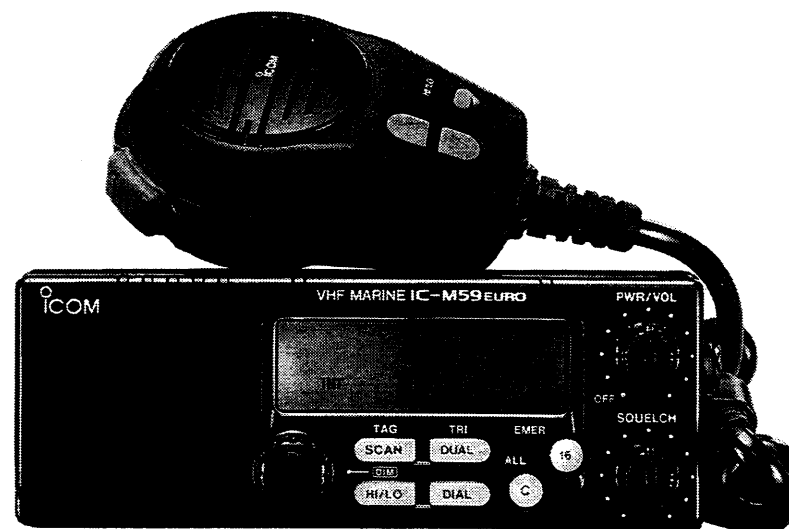# iCOM

VHF MARINE TRANSCEIVER

IC-M59 EURO

Icom Inc.

IN CASE OF EMERGENCY

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

Or, transmit your distress call using digital selective calling on channel 70 (the optional UX-120 DSC UNIT must be installed).

○ **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 (AND 9-digit DSC ID if you have one).

4. "LOCATED AT - - - - - - " (your position)

5. The nature of the distress and assistance required.

6. Any other information which might facilitate the rescue.

○ **USING DIGITAL SELECTIVE CALLING (ch 70)**
(UX-120 required)

DISTRESS CALL PROCEDURE

1. Push and hold [16•EMER] for 5 sec. until you hear 4 short beeps change to one long beep.

2. Then, push [PTT] to transmit the call.

3. Wait for an acknowledgment from a coast station.
   • When received, channel 16 is automatically selected.

4. Push and hold [PTT], then transmit the appropriate information as at left.

TABLE OF CONTENTS

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-M59EURO.

YOU MUST HAVE a DSC vessel ID in order to operate the optional DSC functions of the transceiver. See your Dealer for details.

C€ The IC-M59EURO complies with the essential requirements of the 89/336/EEC directive for Electromagnetic Compatibility.

CAUTIONS

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

⚠**WARNING HIGH VOLTAGE! NEVER** touch the antenna or an internal antenna connector during transmission. This may result in an electric shock or a burn.

NEVER connect the transceiver to a power source of more than 16 V DC. This connection will ruin the transceiver.

***WHEN INSTALLING THE DSC UNIT* NEVER** transmit a distress call when your vessel does not need immediate help. Distress calls can be used only in times of emergency.

AVOID using or placing the transceiver in direct sunlight or in areas with temperatures below –20°C or above +60°C.

DO NOT operate the transceiver without running the vessel's engine. When your vessel's engine is OFF and the transceiver is transmitting, the vessel's battery will soon become exhausted.

KEEP the transceiver out of the reach of children.

KEEP the antenna cable and DC power cable as far away as possible from electrical pumps, generators and other electronic instruments to prevent instrument malfunctions.

KEEP the transceiver and microphone at least 1 meter away from your vessel's magnetic navigation compass.

◇ 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

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.
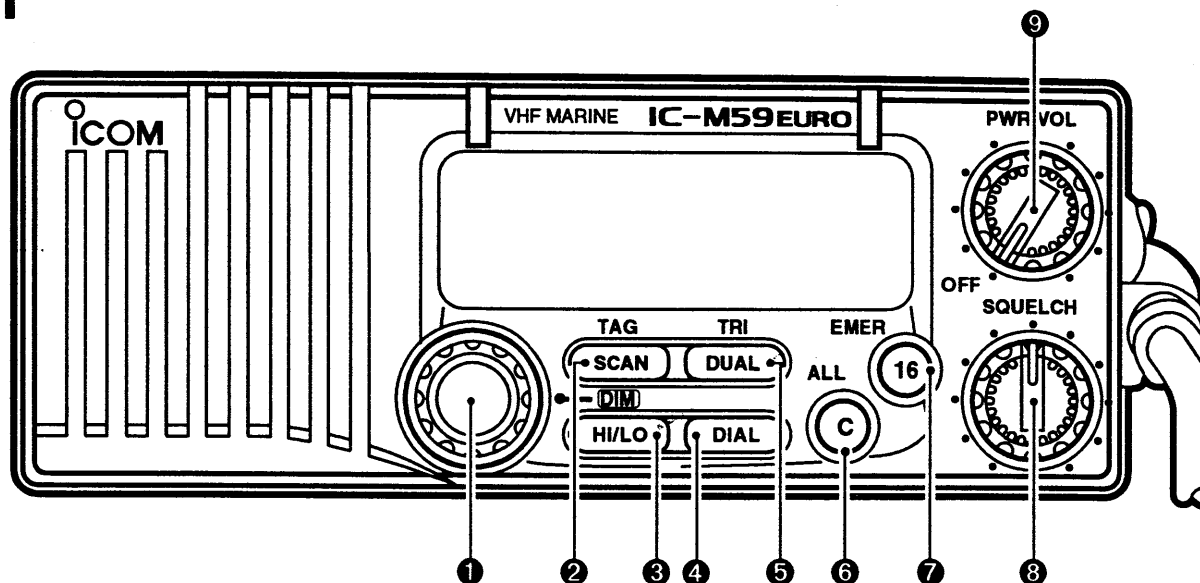
OPERATOR'S LICENSE

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.

■ Front panel

❶ CHANNEL SELECTOR

Selects an operating channel in the selected channel group.

❷ SCAN SWITCH [SCAN•TAG]

• Starts and stop priority or normal scan when tag channels are programmed. (p. 10)

• Push and hold for 1 sec. to toggle the tag setting for the displayed channel. (p. 10)

• Push and hold for 3 sec. together with the [H/L] key to clear all tag channels. (p. 10)

❸ HIGH/LOW POWER SWITCH [HI/LO•DIM]

• Toggles between high and low output powers. (p. 9)

• While pushing, rotate the channel selector to adjust the display and control/switch backlighting intensity. (p. 11)

❹ DIAL SWITCH [DIAL]

• Selects the International channel group. (p. 7)

• For U.K./Italy versions, the U.S.A. channel group is also available. To toggle between international and U.S.A. channels, push and hold this switch for 1 sec. (p. 7)

❺ DUAL/TRI-WATCH SWITCH [DUAL•TRI]
- Activates dualwatch for checking channel 16. (p. 8)
- Push and hold for 1 sec. to activate tri-watch for checking channel 16 and the call channel. (p. 8)

❻ CALL CHANNEL SWITCH [C•ALL]
- Selects the call channel—the call channel is programmable. (p. 11)
- Push and hold for 1 sec. to enter the standby condition of an all ships call. (When an optional UX-120 is installed). (pgs. 14, 15)
  ➡ Three categories (distress, safety and urgency) are selectable.

❼ CHANNEL 16 SWITCH [16•EMER]
- Selects channel 16. (p. 6)
- Push and hold to enter the standby condition for a distress call transmission using the DSC function (when an optional UX-120 is installed). (p. 13)
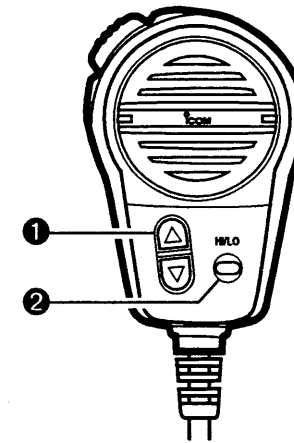
❽ SQUELCH CONTROL [SQUELCH]
Rotate clockwise to eliminate audio noise. (p. 8)

❾ POWER/VOLUME CONTROL [PWR/VOL]
Turns power ON and OFF and adjusts the audio output level. (p. 6)

■ Microphone

❶ CHANNEL UP/DOWN SWITCHES [▼]/[▲]
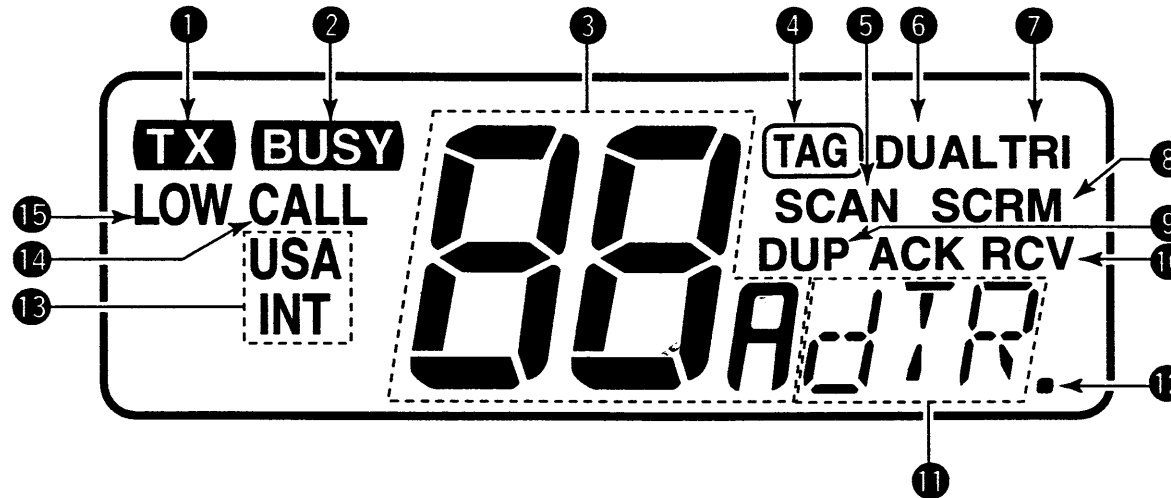- Select an operating channel.

❷ HIGH/LOW POWER SWITCH [HI/LO]
The same function as the transceiver's front panel.
- Toggles between high and low output powers. (p. 9)
- While pushing, rotate the channel selector to adjust the display and control/switch backlighting intensity. (p. 11)

■ Function display

❶ TRANSMIT INDICATOR

Appears while transmitting. (p. 9)

❷ BUSY INDICATOR

Appears when receiving a signal or when [SQUELCH] is rotated too far counterclockwise. (p. 8)

❸ CHANNEL INDICATOR

Shows the operating channel. (pgs. 6, 7)

❹ TAG CHANNEL INDICATOR

Appears when the selected channel is set as a tag channel. (p. 10)

❺ SCAN INDICATOR

Appears and flashes during scan operation. (p. 10)

❻ DUALWATCH INDICATOR

Appears and flashes during dualwatch operation. (p. 8)

❼ TRI-WATCH INDICATOR

Appears and flashes during tri-watch operation. (p. 8)

❽ VOICE SCRAMBLER INDICATOR

Appears while the optional voice scrambler is activated. This function is permitted in some countries only. (p. 11)

⑨ DUPLEX INDICATOR

Appears when the selected channel is a duplex channel
(p. 7).

⑩ ACKNOWLEDGEMENT/RECEIVE INDICATORS

Appear during optional DSC operation. (pgs. 13–17)

• "RCV" appears when a DSC call is received.

• "ACK RCV" appears when an acknowledgement is received.

• "ACK" and "█ T X █" appear when transmitting an acknowledge-
ment.

⑪ DSC INDICATORS (pgs. 13–17)

Appear during optional DSC operation and show a format
specifier, category, etc.

⑫ NMEA INDICATOR

Appears when NMEA devices (such as a GPS receiver)
are connected. (p. 12)

⑬ MODE INDICATORS (p. 7)

• "INT" shows International channels are selected.

• For U.K./Italy versions; U.S.A. channels are available.
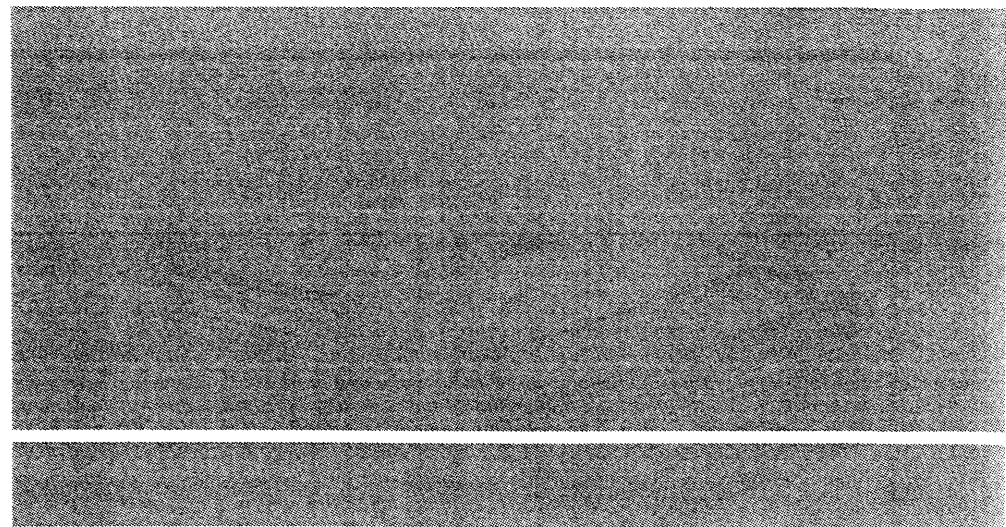"USA" appears when selected.

⑭ CALL CHANNEL INDICATOR

Appears when the call channel is selected. (p. 6)

⑮ LOW POWER INDICATOR

Shows that low output power is selected. (p. 9)

Count on us!