iCOM

VHF MARINE TRANSCEIVER

IC-M127

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-130 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-130 required)

DISTRESS CALL PROCEDURE

1. Push and hold [EMER] for 5 sec. until you hear 5 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.

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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-M127.

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

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 (–4°F) or above +60°C (+140°F).

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 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

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.

An FCC form 506 may be supplied with the IC-M127 U.S.A. version. In this case, complete the form and send it to the nearest FCC office.
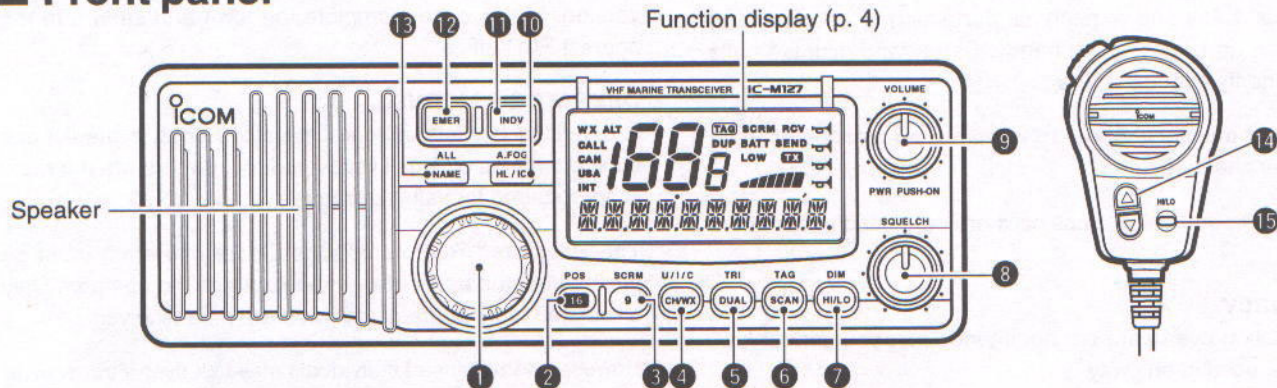
OPERATOR'S LICENSE

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

Function display (p. 4)

Speaker

① CHANNEL SELECTOR [CHANNEL]
Selects an operating channel in the selected channel group.

② CHANNEL 16 SWITCH [16 • POS]
• Selects channel 16. (p. 6)
• Push for 1 sec. to display your position (when a GPS receiver is connected). (p. 25)

③ CALL CHANNEL SWITCH [9 • SCRM]
• Selects the call channel—the call channel is programmable, channel 9 being the default. (p. 6)
• Push and hold to activate the optional voice scrambler function (optional UT-98 is required). (pgs. 38, 43)

④ CHANNEL/WEATHER CHANNEL SWITCH [CH/WX • U/I/C]
• Toggles between regular and weather channels. (p. 7)
• Selects channel groups in sequence when pushed for 1 sec. (p. 7)

⑤ DUAL/TRI-WATCH SWITCH [DUAL • TRI] (p. 8)
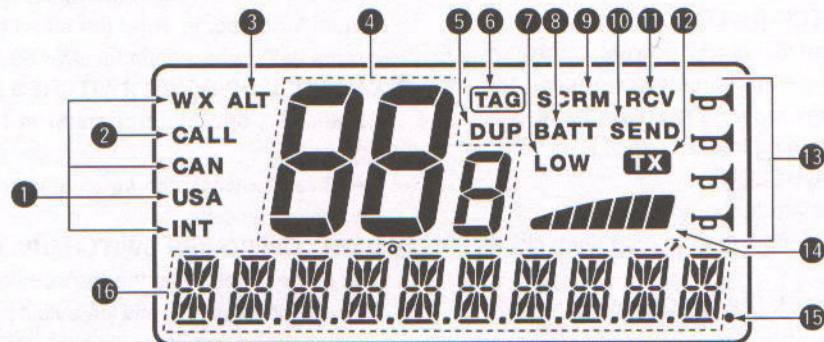• Activates dualwatch for checking channel 16.
• Push for 1 sec. to activate tri-watch for checking channel 16 and the call channel.

⑥ SCAN SWITCH [SCAN • TAG]
• Starts and stops normal or priority scan when tag channels are programmed. (p. 10)

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

⑦ HIGH/LOW POWER SWITCH [HI/LO • DIM]

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

• While pushing, rotate the channel selector or push the [▼]/[▲] switches on the microphone to adjust the display and control/switch backlighting intensity. (p. 11)

⑧ SQUELCH CONTROL [SQUELCH]

• Rotate clockwise to eliminate audio noise. (p. 8)

• Activates the built-in attenuator when rotated deep clockwise. (p.8)

⑨ POWER/VOLUME CONTROL [PWR/VOL] (p. 8)

• Push to turn power ON/OFF.

• Rotate to adjust the audio output.

⑩ HAILER/INTERCOM SWITCH [HL/IC • A.FOG]

• Selects/turns OFF the hailer and intercom functions. (pgs. 21, 22)

• Push for 5 sec. to activate the auto fog horn function. (p. 24)

⑪ INDIVIDUAL CALL SWITCH [INDV] (p. 16)

Push for 5 sec. to enter the individual call standby condition (when optional UX-130 is installed).

⑫ EMERGENCY SWITCH [EMER] (p. 14)

Push for 5 sec. to enter the distress call transmission standby condition (when optional UX-130 is installed).

⑬ CHANNEL NAME SWITCH [NAME]

• Push to enter name input mode. (p. 12)

• Push for 5 sec. to enter the stand by condition for an "all ships call" (when optional UX-130 is installed). (p. 15)

⑭ CHANNEL UP/DOWN SWITCHES [▼]/[▲]

• Select an operating channel in the selected channel group.

➡ These switches can be used instead of the transceiver's channel selector.

⑮ 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 **MODE INDICATORS** (p. 7)
➥ "USA" shows USA channels are selected.
➥ "CAN" shows Canadian channels are selected.
➥ "INT" shows International channels are selected.
➥ "WX" shows weather channels are selected.

❷ **CALL CHANNEL INDICATOR**
Appears when the call channel is selected. (p. 6)

❸ **WEATHER ALERT INDICATOR**
Indicates the weather alert function is activated. (p. 7)

❹ **CHANNEL INDICATOR**
Shows the operating channel. (p. 7)

❺ **DUPLEX INDICATOR**
Appears when the selected channel is a duplex channel.

❻ **TAG CHANNEL INDICATOR**
Appears when the selected channel is set as a tag channel. (p. 10)

❼ **LOW POWER INDICATOR**
Shows that low output power is selected. (p. 9)

Count on us!