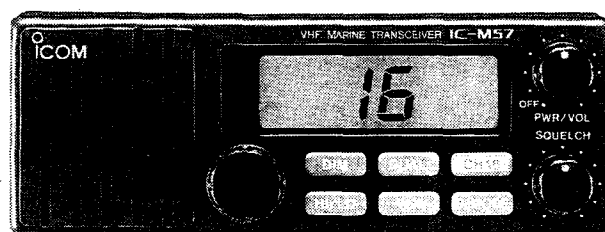


## INSTRUCTION MANUAL

VHF MARINE TRANSCEIVER

# IC-M57



Icom Inc.





## ■ Priorities

- 1) Read all rules and regulations pertaining to priority transmission and keep an up-to-date copy handy.
- 2) When not operating on another channel, Channel 16 must be monitored.
- 3) False or fraudulent distress calls are **prohibited**.

## ■ Privacy

- 1) Information overheard but not intended for you cannot be used in any way.
- 2) Indecent or profane language is **prohibited**.

## ■ Radio licenses

- 1) **Ship station license:** when your craft is equipped with a VHF FM marine transceiver, you must have a current radio station license before transmitting. It is unlawful to operate a station without a license. Ask your dealer or the appropriate government agency for a Ship-Radiotelephone License Application.
- 2) **Operators' license:** a restricted Radiotelephone Operator Permit is the license most often held by small vessel operators when a radio is not required for safety purposes. This can usually be obtained by mail.

The permit must be posted near the transceiver or kept with the operator.

Non-licensed individuals may talk over a transceiver **ONLY** if a licensed operator starts, supervises, ends the call and makes the necessary log entries.

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## IMPORTANT

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**READ ALL INSTRUCTIONS** carefully and completely for maximum performance.

**SAVE THIS INSTRUCTION MANUAL.** The contents contain important safety and operating instructions for the **IC-M57**.

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## CAUTIONS

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**NEVER** connect the transceiver to more than 16 V DC or to an AC power source.

**NEVER** allow children to touch the transceiver.

**NEVER** immerse the transceiver in water.

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

**AVOID** placing the transceiver in direct sunlight or subjecting it to temperatures below  $-20^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$ ) or above  $+60^{\circ}\text{C}$  ( $+140^{\circ}\text{F}$ ).

**BE CAREFUL!** The transceiver is only weather resistant when the 4 cover screws are securely tightened.

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## UNPACKING

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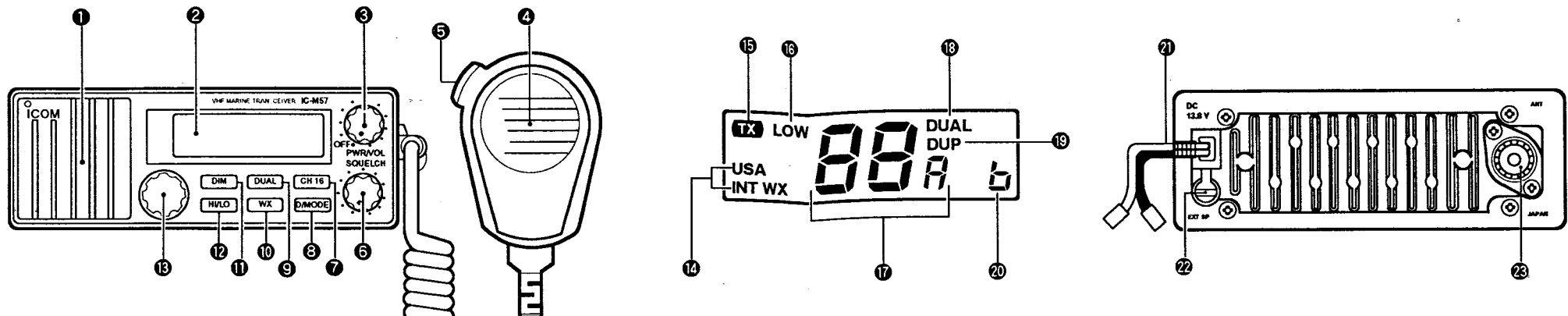
### Accessories included with the IC-M57:

|  | Qty. |                              | Qty. |
|--|------|------------------------------|------|
| ① mounting bracket.....                    | 1    | ⑧ microphone hanger.....     | 1    |
| ② mounting bracket knobs.....              | 4    | ⑨ DC power cable.....        | 1    |
| ③ flat washers (M4).....                   | 4    | ⑩ mounting screws.....       | 4    |
| ④ flat washers (M5).....                   | 8    | ⑪ star washers.....          | 4    |
| ⑤ nuts (M5).....                           | 4    | ⑫ mounting screws.....       | 4    |
| ⑥ mic hanger screws ( $3.5 \times 3.0$ ).. | 2    | ⑬ external speaker plug..... | 1    |
| ⑦ fuses (10A).....                         | 2    |                              |      |

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Thank you for purchasing the **IC-M57 VHF MARINE TRANSCEIVER**. Using the most advanced technology, Icom has produced a marine transceiver for those who want simple operation.

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## Front panel

### 1 SPEAKER

### 2 FUNCTION DISPLAY

Displays the selected channel number, etc.

### 3 POWER SWITCH/VOLUME CONTROL [PWR/VOL]

Turns power ON and OFF and adjusts the speaker volume.

### 4 MICROPHONE

### 5 PTT (Push-to-talk) SWITCH [PTT]

Push and hold to transmit; release to receive.

### 6 SQUELCH CONTROL [SQUELCH]

-Rotate clockwise to eliminate audio noise.  
-Deep rotation activates the RF attenuator to cut weak signal reception.

### 7 CHANNEL 16 SWITCH [CH 16]

Selects Channel 16. Used for emergency and distress calls and as a call channel.

### 8 DIAL/ MODE SWITCH [D/MODE]

Selects U.S.A. or international channels.

### 9 DUAL WATCH SWITCH [DUAL]

Starts and stops dual watch.

### 10 WEATHER CHANNEL SWITCH [WX]

Selects weather channels.

### 11 DIMMER SWITCH [DIM]

Turns the function display backlighting ON or OFF.

### 12 TRANSMIT POWER SWITCH [HI/LOW]

Selects high or low transmitter power.

### 13 CHANNEL SELECTOR

Selects an operating channel.

## Function display

### 14 CHANNEL SYSTEM INDICATORS

Indicate the selected channel system.

### 15 TRANSMIT INDICATOR [TX]

Appears when transmitting.

### 16 LOW POWER INDICATOR [LOW]

Appears when low power is selected for transmitting.

### 17 CHANNEL INDICATOR

Displays the operating channel.

### 18 DUAL WATCH INDICATOR

Blinks during dual watch operation.

### 19 DUPLEX INDICATOR

Indicates a duplex channel in which different frequencies are used for transmit and receive.

### 20 LOW BATTERY INDICATOR

Warns of a low battery condition.

## Rear panel

### 21 DC POWER CONNECTOR

Connects the supplied DC power cable to an external 12 V power source.

### 22 EXTERNAL SPEAKER JACK

4  $\Omega$  speaker jack.

### 23 ANTENNA CONNECTOR

Connects an antenna with a PL-259 connector to the transceiver.



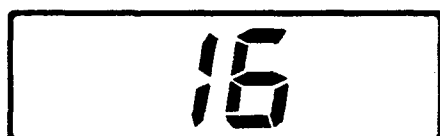
# 3

## RECEIVING

### Basic operation

- 1) Rotate [PWR/VOL] clockwise to turn the power ON, then adjust the volume.
  - Channel 16 is displayed.
- 2) Rotate [SQUELCH] completely CCW; then rotate CW until the audio noise is just muted.

### Channel 16



CH 16

Channel 16 is an emergency, distress and call channel. Access channel 16 instantly (when [PWR] is ON) in any of the following ways:

- ① Push [CH 16].
- ② Turn power OFF; then ON again.
- ③ Hang the microphone on the microphone hook.

### U.S.A. channels

To select a USA channel:



D/MODE

- 1) Set up the transceiver as in basic operation.
- 2) Push [D/MODE] once or twice until "USA" appears in the function display.
- 3) Rotate the channel selector to set your desired channel.

### International channels

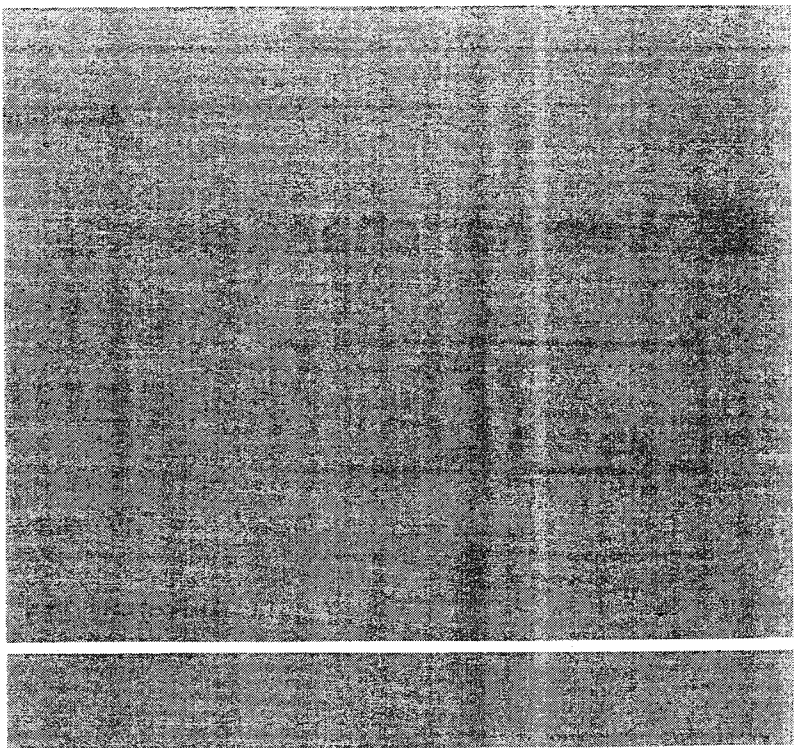
To select an international channel:



D/MODE

- 1) Set up the transceiver as in basic operation.
- 2) Push [D/MODE] once or twice until "INT" appears in the function display.
- 3) Rotate the channel selector to select your desired channel.

**Count on us!**



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