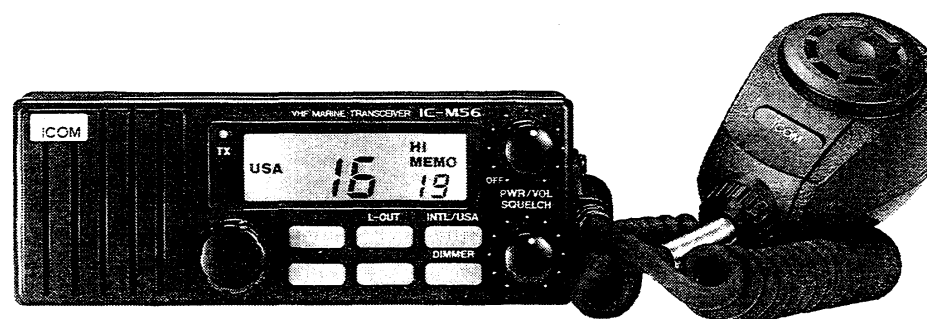


ICOM

INSTRUCTION MANUAL

VHF MARINE TRANSCEIVER
IC-M56



Icom Inc.

IMPORTANT SAFETY PRECAUTIONS

Before using the transceiver, read all instructions carefully and completely.

SAVE THESE INSTRUCTIONS — This instruction manual contains important safety and operating instructions for the IC-M56.

NEVER connect the transceiver to more than a 16 V DC power source or an AC outlet. This will ruin the transceiver.

NEVER allow children to touch the transceiver.

NEVER put the transceiver in water. **AVOID** using in rain and snow.

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

AVOID placing the transceiver in direct sunlight.

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

BE CAREFUL! If the transceiver is not securely mounted with bolts and nuts, personal injury or transceiver damage could occur due to wave shock, vibrations, etc.

BE CAREFUL! The heatsink may become hot when the transceiver transmits continuously for a long time.

BE CAREFUL! The transceiver is only weather-resistant when four screws are securely tightened to the sides of the transceiver.

TABLE OF CONTENTS

IMPORTANT SAFETY PRECAUTIONS.....	i	6 MAINTENANCE.....	14
TABLE OF CONTENTS.....	ii	6-1 TROUBLESHOOTING.....	14
FOREWORD.....	iii	6-2 FUSE REPLACEMENT.....	15
UNPACKING.....	iii	6-3 RESETTING THE CPU.....	15
1 OPERATING RULES.....	1	6-4 BACKUP BATTERY.....	16
2 INSTALLATION.....	2	6-5 CLEANING.....	16
3 PANEL DESCRIPTION.....	4	7 VHF MARINE CHANNEL CHART.....	17
3-1 FRONT PANEL.....	4	8 SPECIFICATIONS.....	18
3-2 REAR PANEL.....	5	9 IN CASE OF EMERGENCY.....	19
3-3 FUNCTION DISPLAY.....	6		
4 BASIC OPERATION.....	7		
4-1 SELECTING A CHANNEL.....	7		
4-2 INSTANT ACCESS TO CHANNEL 16....	7		
4-3 RECEIVING.....	8		
4-4 TRANSMITTING.....	8		
5 FUNCTION OPERATION.....	10		
5-1 MEMORY CHANNEL.....	10		
5-2 DUAL WATCH.....	11		
5-3 SCANNING.....	12		
5-4 DIMMER CONTROL.....	13		

FOREWORD

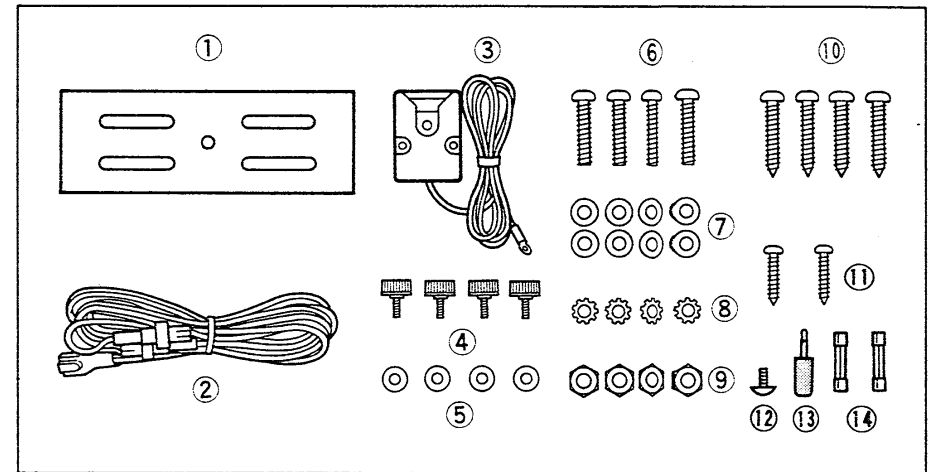
Thank you for purchasing the **IC-M56 VHF MARINE TRANSCEIVER**. Icom has produced this easy-to-operate marine transceiver using the most advanced technology.

The **IC-M56** has the following advanced features:

- Strong weather-resistant, dust-tight case
- Voltage source deviation indicator
- 25 W of high transmission output power
- Dual watch and a variety of scans
- 20 user-programmed memory channels
- Momentary high power on Channels 13 and 67
- Single-tone, double high-tone and double low-tone beeps
- High sensitivity and strong intermodulation rejection

To fully appreciate the capabilities of your new **IC-M56**, please read this instruction manual thoroughly. For further information, please feel free to contact your nearest Icom Dealer or Service Center.

UNPACKING



①	Mounting bracket	1
②	DC power cable (OPC-044A)	1
③	Microphone hanger cable (OPC-117B)	1
④	Mounting bracket knobs	4
⑤	Flat washers (M4)	4
⑥	Mounting screws (M5 x 20)	4
⑦	Flat washers (M5)	8
⑧	Star washers (M5)	4
⑨	Nuts (M5)	4
⑩	Mounting screws (A0 5 x 20)	4
⑪	Mic hanger screws (A0 3.5 x 30)	2
⑫	Ground screw for OPC-117B (M3 x 10)	1
⑬	External speaker plug	1
⑭	Fuses (10 A)	2

(1) 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 while you do not operate on another channel.
- 3) False or fraudulent distress signals are prohibited and punishable by law.

(2) PRIVACY

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

(3) RADIO LICENSES

1) 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 application. Your 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. You can usually obtain this permit by mail.

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, and ends the call, and makes the necessary log entries.

A current copy of the applicable government rules and regulations is usually required to be kept.

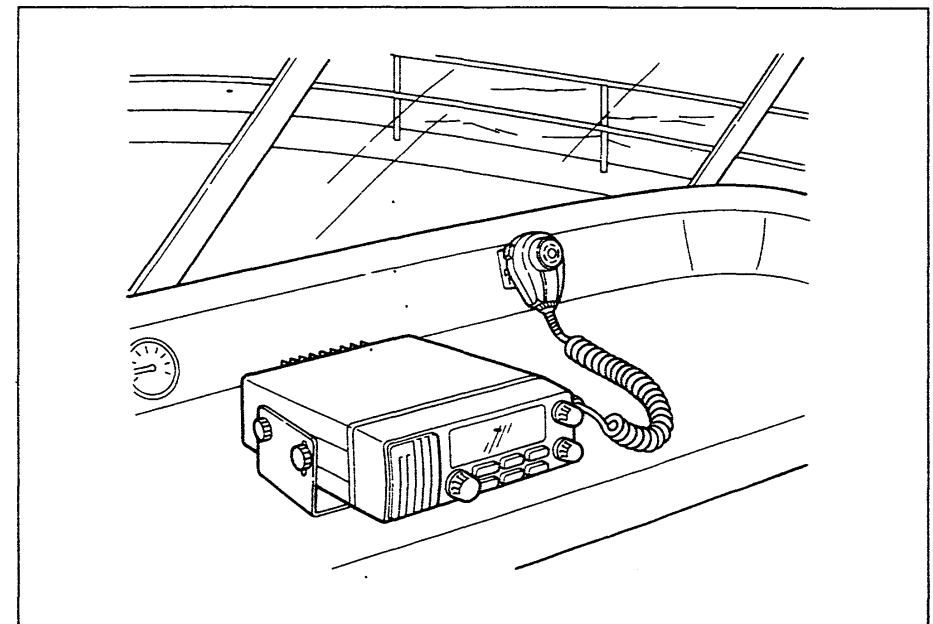
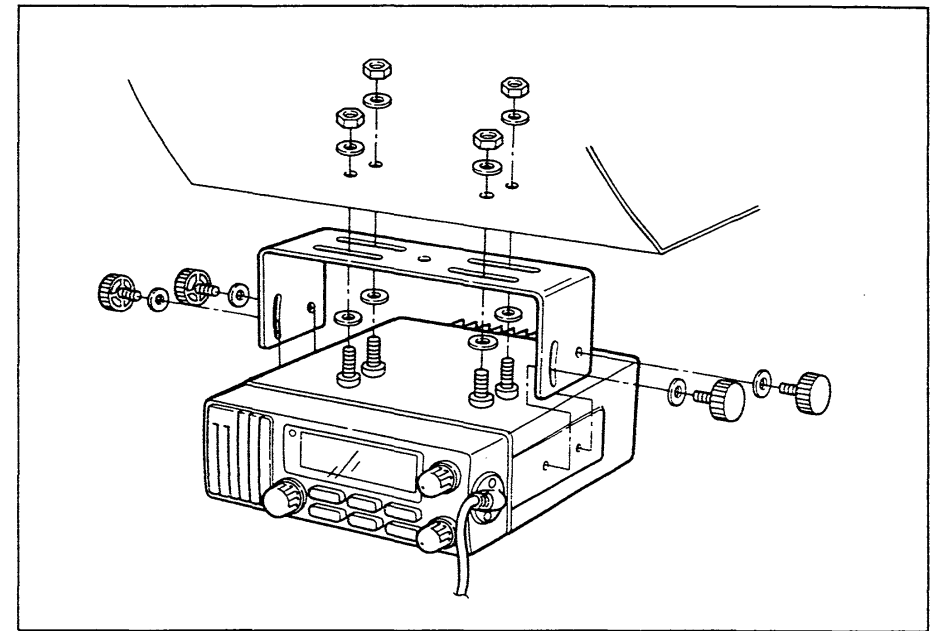
2

INSTALLATION

(1) MOUNTING THE TRANSCEIVER

The universal bracket supplied with your transceiver allows "overhead" or "dashboard" mounting. Please read the following instructions carefully.

- Install the bracket so the transceiver is adequately supported, thus protecting it from wave shock and vibrations.
- Try to avoid drilling new mounting holes in the bracket, as the balance of the transceiver may be affected.
- An optional MB-28 FLUSH MOUNT is available from Icom. If you need special hardware for installation, any good marine store may assist you.



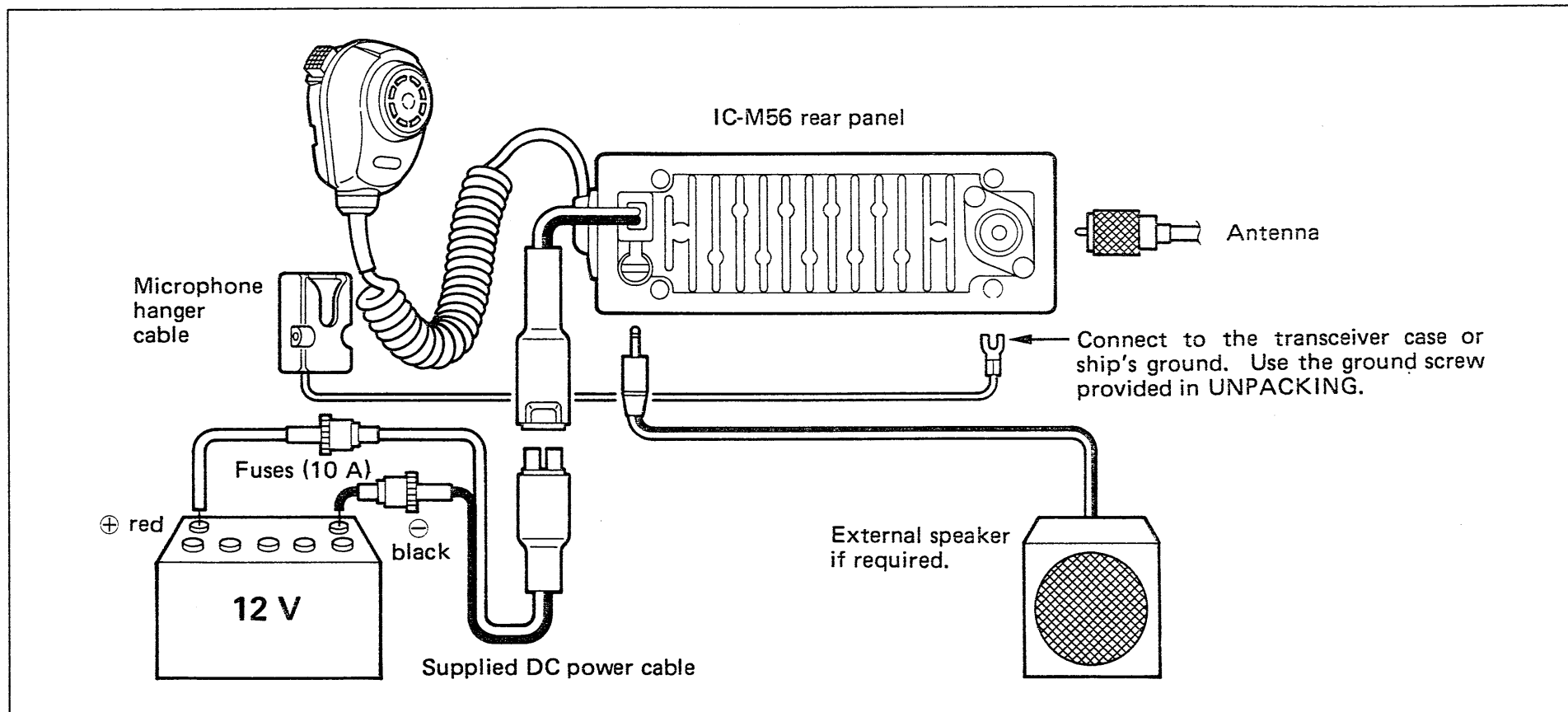
(2) CONNECTION

Use a 12 V DC power source and be sure of the following points:

- **AVOID** long cable runs to the antenna and power source.
- **KEEP** these cables as far as possible from electrical pumps, generators and other electronic instruments.

(3) ANTENNA

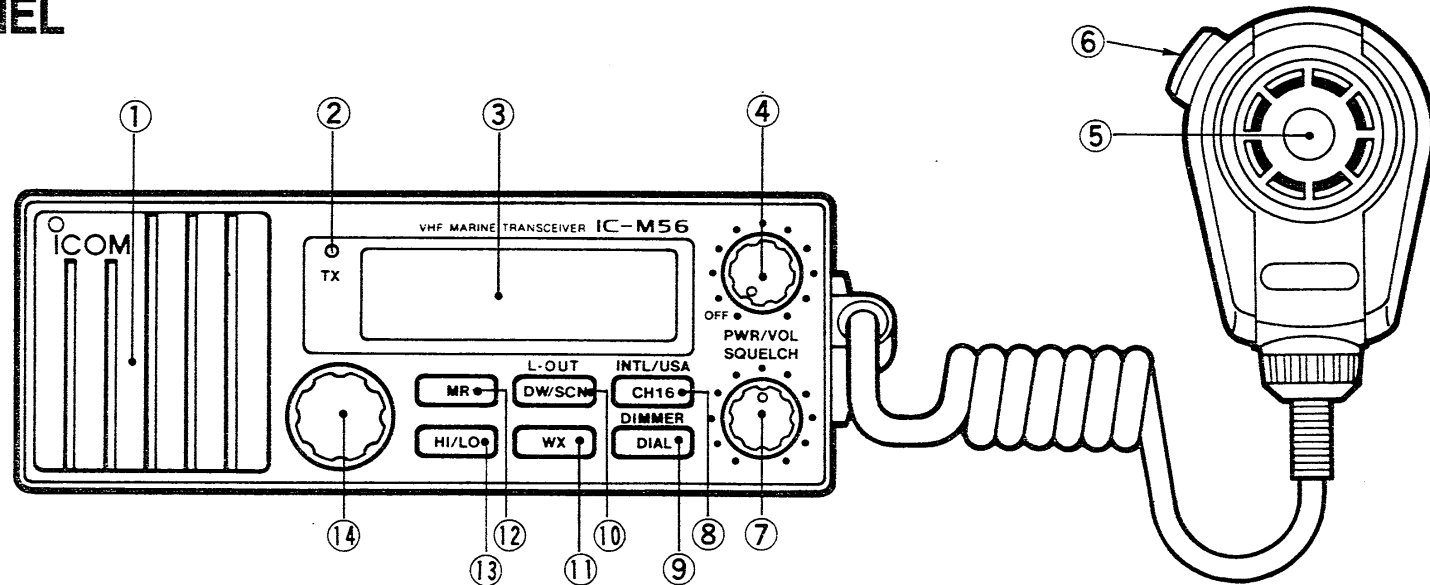
The single, most important item that influences the performance of any communication system is the antenna. Ask your dealer about antennas and the best place to mount them.



3

PANEL DESCRIPTION

3-1 FRONT PANEL



① **SPEAKER**

② **TX INDICATOR [TX]**
Lights when transmitting.

③ **FUNCTION DISPLAY**
Displays the current operating channel and additional information. Refer to Section 3 - 3 FUNCTION DISPLAY.

④ **VOLUME CONTROL/POWER SWITCH [PWR/VOL]**
Turns power ON and OFF and adjusts the speaker volume.

⑤ **MICROPHONE**

⑥ **PTT (Push-To-Talk) SWITCH**
Push and hold to transmit and release to receive.

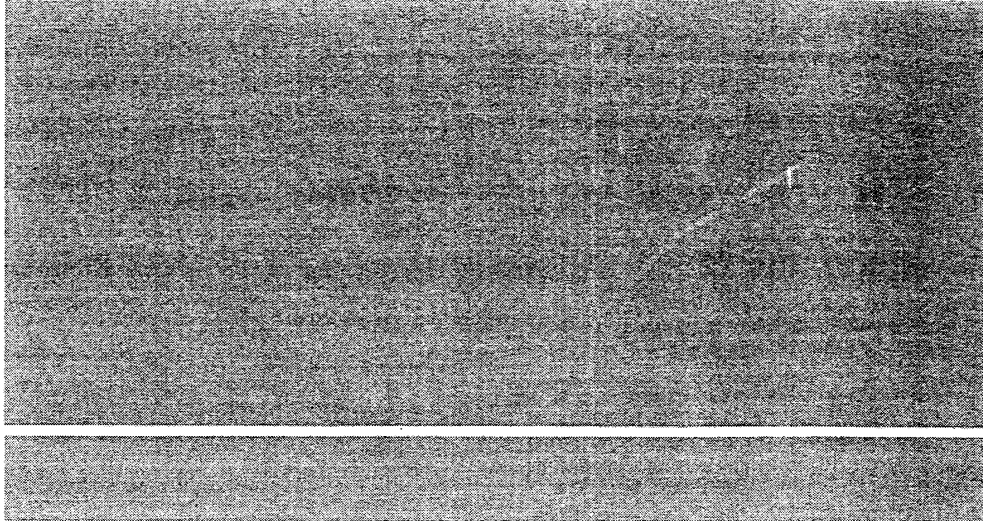
⑦ **SQUELCH CONTROL [SQUELCH]**
Rotate clockwise to eliminate audio noise.

When a signal is received, the squelch opens and audio is emitted from the speaker.

⑧ **CHANNEL 16 SWITCH [CH 16]**
Selects Channel 16. Used for emergency and distress calls and as call channel.

While pushing [HI/LO], push this switch to select the U.S.A. or International channels.

Count on us!



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