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> ICOM IC-HM-195B Command Mic IV for M424 VHF, Black User Manual

ICOM IC-HM-195B

ICOM IC-HM-195B Command Mic IV User Manual

Model: IC-HM-195B

1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your ICOM IC-HM-195B Command Mic IV. The IC-HM-195B is a waterproof remote microphone designed to provide full control of your compatible ICOM VHF marine transceiver, such as the M424 or M506, from a remote location.

It allows for remote power on/off, distress calls, Digital Selective Calling (DSC) functions, and foghorn operation, enhancing convenience and safety on board.

2. SAFETY INFORMATION

- **Waterproof Rating:** The IC-HM-195B is rated IPX7 for submersion. This means it can withstand immersion in 1 meter of water for 30 minutes. Ensure all connectors are properly sealed before exposure to water.
- **Power Source:** Connect the Command Mic IV only to compatible ICOM VHF transceivers as specified in their respective manuals. Using an incorrect power source may damage the unit.
- **Cable Management:** Route the connecting cable carefully to avoid tripping hazards or damage from sharp objects.
- **Cleaning:** Use a soft, damp cloth for cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Disassembly:** Do not attempt to disassemble or modify the unit. Unauthorized modifications can void the warranty and pose safety risks.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- ICOM IC-HM-195B Command Mic IV
- 20-foot (approx. 6.1m) connection cable
- Mounting socket
- Microphone hanger
- Owner's Manual (this document)

4. SETUP AND INSTALLATION

The IC-HM-195B is designed for plug-and-play installation with compatible ICOM VHF transceivers. Follow these steps for proper setup:

1. **Choose a Mounting Location:** Select a convenient and secure location for the Command Mic IV, ensuring the cable can reach the main transceiver without excessive tension or sharp bends. Consider accessibility for operation and visibility of the display.
2. **Install Mounting Socket:** Secure the provided mounting socket using appropriate fasteners (not included) to a flat, stable surface.
3. **Connect Cable:** Connect the 20-foot cable to the Command Mic IV and route it to the main VHF transceiver. Plug the other end of the cable into the designated Command Mic port on your ICOM M424 or M506 radio. Ensure the connection is secure and the waterproof cap (if applicable) is properly seated.
4. **Attach Hanger:** Install the microphone hanger near the mounting socket for convenient storage of the Command Mic when not in use.
5. **Power On:** Once connected, power on your main VHF transceiver. The Command Mic IV should power on automatically and display information.



Figure 1: ICOM IC-HM-195B Command Mic IV. This image shows the front view of the Command Mic IV, highlighting its display screen, keypad with various function buttons (MENU, CH, ENT, CLEAR, 16/9), and the speaker grille. The "COMMANDMIC" label is visible below the keypad.

5. OPERATING INSTRUCTIONS

The IC-HM-195B replicates most functions of your main VHF transceiver. Refer to your main transceiver's manual for detailed explanations of specific radio functions.

5.1 Keypad Functions

Button	Function
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Button	Function
MENU	Accesses the main menu for various settings and features.
CH Up/Down	Changes the operating channel.
ENT	Confirms selections or enters data.
CLEAR	Cancels an operation or clears input.
Left/Right Arrows	Navigates through menu options or adjusts settings.
16/9	Instantly switches to Channel 16 (Distress) or Channel 9 (Calling). Press and hold for distress call (refer to main radio manual for DSC distress call procedure).
PTT (Push-To-Talk)	Located on the side of the unit. Press and hold to transmit, release to receive.

5.2 Display Information

The LCD display provides critical operational information, including:

- **Channel Number:** The currently selected VHF channel.
- **GPS Information:** If connected to a GPS-enabled transceiver, it may display latitude/longitude.
- **Time/Date:** Current time and date.
- **Status Indicators:** Icons for transmit power (HI/LO), scan, dual watch (DW), weather channel (WX), etc.
- **Calling Status:** Indication when a call is being received or transmitted.

5.3 Basic Operation

1. **Power On/Off:** The Command Mic IV powers on and off with the main transceiver.
2. **Volume Adjustment:** Use the volume controls on the main transceiver or the Command Mic (if available, refer to main radio manual).
3. **Channel Selection:** Use the CH Up/Down buttons to change channels.
4. **Transmitting:** Press and hold the PTT button to transmit. Speak clearly into the microphone. Release PTT to receive.
5. **Distress Call:** In an emergency, press and hold the 16/9 button for a distress call. Ensure you understand the DSC distress call procedure from your main transceiver's manual.

6. MAINTENANCE

- **Cleaning:** Regularly wipe the unit with a soft, damp cloth to remove salt residue, dirt, or grime. For stubborn stains, use a mild detergent solution, then wipe with a clean, damp cloth. Do not use solvents or alcohol.
- **Connector Inspection:** Periodically inspect the cable and connectors for any signs of corrosion, damage, or wear. Ensure connections are clean and secure.
- **Storage:** When not in use, store the Command Mic IV in its hanger to prevent damage. If storing for extended periods, ensure it is clean and dry.
- **Water Exposure:** After exposure to saltwater, rinse the unit thoroughly with fresh water and allow it to dry completely before storage or next use.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/display	Main transceiver is off; Loose cable connection; Damaged cable/unit.	Ensure main transceiver is on. Check cable connection at both ends. Inspect cable for damage. If problem persists, contact ICOM support.
No audio from speaker	Volume too low; Mute function active; Speaker damage.	Increase volume. Check main transceiver for mute settings. Test with another Command Mic if available.
Cannot transmit	PTT button not pressed correctly; Main transceiver issue; Antenna issue.	Ensure PTT is fully pressed. Check main transceiver's transmit function. Verify antenna connection.
Garbled audio	Poor connection; Interference; Damaged microphone.	Check cable connections. Move away from sources of electrical interference.

If troubleshooting steps do not resolve the issue, please contact ICOM customer support or an authorized service center.

8. SPECIFICATIONS

- **Model:** IC-HM-195B
- **Compatibility:** ICOM M424, M506 VHF transceivers (and others as specified by ICOM)
- **Waterproof Rating:** IPX7 (1m depth for 30 minutes)
- **Cable Length:** Approximately 20 feet (6.1 meters)
- **Dimensions (approx.):** 10 x 4 x 8 inches
- **Weight (approx.):** 2 pounds
- **Connectivity:** XLR
- **Special Features:** Waterproof, Full control of communications & Class D DSC functions, Superior audio performance.

9. WARRANTY AND SUPPORT

ICOM products are manufactured with high-quality standards. For warranty information, please refer to the warranty card included with your main transceiver or visit the official ICOM website. Keep your purchase receipt as proof of purchase for warranty claims.

For technical support, service, or parts, please contact ICOM America customer service:

- **Website:** www.icomamerica.com
- **Phone:** Refer to the website for current contact numbers.

When contacting support, please have your product model number (IC-HM-195B) and serial number (if applicable) ready.

ASK A QUESTION ABOUT THIS MANUAL

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