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ICOM IC-M25 01

ICOM IC-M25 01 Handheld VHF Radio User Manual

Model: IC-M25 01

1. Introduction

The ICOM IC-M25 01 is a compact and lightweight handheld VHF marine radio designed for reliable communication on the water. This model features a sleek grey trim and is engineered to float and flash when dropped in water, enhancing retrievability. With a powerful 5/1 Watt output and an impressive 11-hour battery life, it ensures extended operation. Conveniently, it charges from any 5V USB socket, making it easy to power up on the go. Its large LCD and intuitive controls, including Dual/Tri watch and scan functions, provide clear visibility and ease of use for all marine enthusiasts.

2. Package Contents

Upon unboxing your ICOM IC-M25 01, please verify that all the following items are included:

- ICOM IC-M25 01 Handheld VHF Radio
- Belt Clip
- Charger (USB compatible)
- Lithium Ion Battery (pre-installed or separate)
- User Manual (this document)

3. Product Overview and Features

The ICOM IC-M25 01 is designed for ease of use and durability in marine environments. Below is an overview of its key components and features:



Figure 1: Front view of the ICOM IC-M25 01 Handheld VHF Radio. The large LCD displays channel "16". Key buttons include VOL/SQL, SCAN, CH/WX, FAV, and Hi/Lo. The radio is grey with blue accents.

- **Compact Body & Large LCD:** Designed for comfortable handling and clear visibility of information.
- **Float 'n Flash:** If dropped in water, the radio floats and an LED light flashes, making it easy to locate.
- **5/1 Watt Output Power:** Selectable power output for short-range or long-range communication.
- **11-Hour Battery Life:** Extended operational time for prolonged use.
- **USB Charging:** Convenient charging via a standard 5V USB socket.
- **Dual/Tri Watch:** Monitor Channel 16 and/or a call channel while operating on another channel.
- **Scan Functions:** Efficiently scan through channels to find active transmissions.

- **Waterproof Construction:** Designed to withstand submersion in water, ensuring reliability in marine conditions.

4. Setup

4.1 Charging the Battery

1. Locate the USB charging port on the radio (typically covered by a waterproof cap).
2. Connect the supplied USB charging cable to the radio and to a 5V USB power source (e.g., USB wall adapter, computer USB port, power bank).
3. The charging indicator on the radio will illuminate (refer to the radio's display or LED for specific charging status).
4. Allow the battery to fully charge before first use. A full charge typically takes several hours.
5. Once charging is complete, disconnect the cable and ensure the waterproof cap is securely closed.

4.2 Attaching the Belt Clip

Align the belt clip with the designated slots on the back of the radio and slide it into place until it clicks securely. To remove, press the release tab (if present) and slide the clip off.

5. Operating Instructions

5.1 Power On/Off

- To turn on: Press and hold the **POWER** button until the display illuminates.
- To turn off: Press and hold the **POWER** button until the display turns off.

5.2 Volume and Squelch Adjustment

- **Volume:** Use the **VOL/SQL** button and the Up/Down arrow keys to adjust the audio output level.
- **Squelch:** To set the squelch level (which filters out weak signals and noise), press the **VOL/SQL** button briefly, then use the Up/Down arrow keys to adjust the squelch threshold. Adjust until background noise disappears but strong signals are still received.

5.3 Channel Selection

- Use the Up/Down arrow keys to navigate through the available channels (e.g., Channel 16 for distress and calling).
- Press the **CH/WX** button to switch between regular channels and weather channels.

5.4 Transmitting

- Before transmitting, ensure the channel is clear.
- Press and hold the **PTT (Push-To-Talk)** button located on the side of the radio.
- Speak clearly into the microphone.
- Release the **PTT** button to listen.

5.5 Dual/Tri Watch and Scan Functions

- **Dual Watch:** Press the **DUAL** button (often combined with SCAN) to monitor Channel 16 while operating on another selected channel.
- **Tri Watch:** Some models offer Tri Watch, allowing monitoring of Channel 16, a call channel, and your working channel. Refer to the radio's display for activation.

- **Scan:** Press the **SCAN** button to initiate scanning of programmed or all channels. The radio will stop on an active channel.

5.6 Hi/Lo Power Selection

Press the **Hi/Lo** button to toggle between high (5 Watt) and low (1 Watt) transmit power. Use low power for short-range communications to conserve battery life.

6. Maintenance

6.1 Cleaning

Regularly clean the radio with a soft, damp cloth. For saltwater exposure, rinse thoroughly with fresh water and dry completely. Do not use abrasive cleaners or solvents.

6.2 Battery Care

- Avoid fully discharging the battery frequently.
- Store the radio with a partially charged battery if not used for extended periods.
- Do not expose the battery to extreme temperatures.

6.3 Storage

Store the radio in a cool, dry place away from direct sunlight and extreme temperatures. Ensure all port covers are securely closed to maintain waterproof integrity.

7. Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on.	Battery is depleted or not properly installed.	Charge the battery. Ensure the battery is correctly seated.
Poor reception or no audio.	Squelch level too high; out of range; antenna issue.	Adjust squelch. Move closer to transmitting station. Check antenna connection.
Cannot transmit.	Low battery; PTT button not pressed correctly; channel busy.	Charge battery. Ensure PTT is fully pressed. Wait for channel to clear.
Radio flashes when wet but doesn't turn on.	This is the "Float 'n Flash" feature working as intended.	Retrieve the radio from water. Dry it thoroughly before attempting to power on normally.

8. Specifications

Feature	Detail
Model Number	IC-M25 01
Product Dimensions	5.3 x 1.2 x 2.2 inches
Item Weight	7.8 ounces (0.49 Pounds)
Color	Gray

Feature	Detail
Batteries	1 Lithium Ion battery required (included)
Number of Channels	16
Frequency Range	156.000-161.450MHz (Tx), 156.000-163.425MHz (Rx)
Talking Range Maximum	6 Mile (Note: Actual range varies with conditions)
Tuner Technology	VHF
Voltage	5 Volts (for charging)
Water Resistance Level	Waterproof (Floats and Flashes)
Battery Life	Approximately 11 hours
Charging	5V USB socket

9. Warranty and Support

For warranty information and technical support, please refer to the official ICOM website or contact ICOM customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.
For further assistance, you may visit the ICOM Store on Amazon or the official ICOM America website.

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