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ICOM M330

ICOM M330 VHF Marine Radio User Manual

Model: M330 | Brand: ICOM

INTRODUCTION

The ICOM M330 series offers a compact design with robust performance and features, similar to the M324 series, but optimized for installations with limited space. This marine radio is equipped with essential functionalities for safe and efficient communication on the water.

Key features include the exclusive AquaQuake draining function, 25 watts of power, IPX7 waterproof rating, scan/select scan capabilities, and an intuitive user interface. Its dot-matrix display ensures clear readability, and the combination of a directional keypad and soft keys allows for simple and smooth operation. Most frequently used functions are assigned to soft keys for quick, one-push access.



Front view of the ICOM M330 VHF Marine Radio, showing its compact black casing, dot-matrix display, control buttons, and attached handheld microphone. The display shows '25W USA', 'STBY', '16', and GPS coordinates.

SETUP AND INSTALLATION

The ICOM M330 is designed for easy installation, even in confined spaces. The package includes the M330 VHF unit, a mounting bracket, a power cord, and this user manual.

Initial Power On:

1. Ensure the radio is securely mounted using the provided mounting bracket.
2. Connect the power cord to a suitable 12-volt DC power source, observing correct polarity.
3. Press and hold the black power/volume/squelch knob until the display illuminates and the unit powers on.
4. The built-in GPS will automatically acquire position and time data. Allow a few moments for this process to complete.

OPERATING INSTRUCTIONS

Channel Selection:

- To change channels, use the **CH up (▲)** and **CH down (▼)** buttons located on the right side of the radio.
- For quick access to Channel 16 (the international distress and calling channel), press the **blue 16/C button**. This channel is crucial for communicating with the Coast Guard and for general distress calls.
- When operating in specific areas, such as Portsmouth Harbor, it is often required to monitor Channel 11 (VTS). Use the CH up/down buttons to navigate to this channel.

Volume Adjustment:

- To adjust the volume, simply rotate the large **black knob** (VOL/SQL/PWR) clockwise to increase volume and counter-clockwise to decrease it.

Squelch Adjustment:

- To adjust the squelch level (which filters out background noise), press the **black knob** once. The display will show "SQL".
- Then, rotate the **black knob** to adjust the squelch level. Turn it clockwise to increase squelch (reduce noise) and counter-clockwise to decrease it (allow weaker signals).
- Press the knob again or wait a few seconds for the display to return to normal operation.

Additional Features:

- **AquaQuake Draining Function:** This feature emits a vibrating sound to clear water from the speaker grille, ensuring clear audio even after exposure to water.
- **Built-in Class D DSC:** Includes a dedicated CH70 receiver for Digital Selective Calling, enhancing safety by allowing direct digital calls to other vessels or shore stations.
- **Common NMEA Interface:** Allows for external GPS/NAV connection, integrating navigation data with your radio.
- **Tag Scan and Favorite Channel Functions:** Customize your scanning preferences and quickly access frequently used channels.
- **Dual/Tri-watch Function:** Monitor Channel 16 and/or a call channel simultaneously for enhanced situational awareness.

MAINTENANCE

To ensure the longevity and optimal performance of your ICOM M330 VHF Marine Radio, regular maintenance is recommended:

- Cleaning:** Wipe the radio and microphone with a soft, damp cloth. Avoid using abrasive cleaners or solvents. For the speaker, utilize the AquaQuake draining function after exposure to water.
- Connections:** Periodically check all cable connections for corrosion or damage. Ensure they are securely fastened.
- Waterproofing:** Although IPX7 waterproof, avoid prolonged submersion or high-pressure water jets directly on the unit. Ensure all caps and covers are properly sealed.
- Storage:** When not in use for extended periods, store the radio in a dry, cool environment away from direct sunlight.

TROUBLESHOOTING

If you encounter issues with your ICOM M330, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Radio does not power on.	No power, loose connection, blown fuse.	Check power cable connection, inspect fuse in power line, ensure battery is charged.
No audio or low volume.	Volume too low, squelch too high, speaker blocked by water.	Increase volume, decrease squelch, use AquaQuake function to clear speaker.
Cannot transmit or receive.	Antenna issue, incorrect channel, power output setting.	Check antenna connection, ensure you are on the correct channel, verify power setting (HI/LO).
GPS position not displayed.	No GPS signal, external GPS not connected or faulty.	Ensure clear view of the sky for GPS signal acquisition. If using external GPS, check connections and functionality.

If these steps do not resolve the issue, please contact ICOM customer support or a qualified marine electronics technician.

SPECIFICATIONS

Feature	Detail
Item Package Dimensions L x W x H	9.65 x 9.02 x 3.66 inches
Package Weight	1.27 Kilograms
Item Weight	2.8 Pounds
Brand Name	ICOM
Model Name	M330
Color	Black
Material	Plastic
Suggested Users	unisex-adult

Feature	Detail
Number of Items	1
Manufacturer	ICOM
Part Number	M330 51
Included Components	M330 VHF, Mounting bracket, Power Cord, User Manual
Size	Standard
Fishing Technique	Any
Number of Channels	16
Special Feature	Waterproof
Frequency Range	156-174 MHz
Talking Range Maximum	50 Mile
Tuner Technology	VHF
Voltage	12 Volts (DC)
Water Resistance Level	Waterproof
Date First Available	April 14, 2021

WARRANTY AND SUPPORT

The ICOM M330 VHF Marine Radio comes with a **Manufacturer Limited Warranty**. For specific details regarding warranty coverage, duration, and terms, please refer to the warranty card included with your product or visit the official ICOM website.

For technical assistance, troubleshooting beyond the scope of this manual, or warranty claims, please contact ICOM customer support directly. Contact information can typically be found on the ICOM website or in the product packaging.

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Related Documents - M330

	<p>Icom IC-M330 Series VHF Marine Transceiver Instruction Manual</p> <p>This instruction manual provides comprehensive operating instructions, features, safety precautions, and technical specifications for the Icom IC-M330, IC-M330E, IC-M330G, and IC-M330GE VHF marine transceivers.</p>
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	<p>ICOM ID-50A/ID-50E VHF/UHF Transceiver Basic Manual</p> <p>This basic manual provides essential operating instructions and precautions for the ICOM ID-50A and ID-50E VHF/UHF transceivers, covering features like D-STAR, Dualwatch, and GPS.</p>
	<p>Icom IC-9700 Grundhandbuch: VHF/UHF-Allbereichs-Transceiver Bedienung</p> <p>Das Grundhandbuch für den Icom IC-9700 VHF/UHF-Allbereichs-Transceiver. Entdecken Sie die fortschrittliche Technologie, das HF-Direktabtastsystem, das Echtzeit-Spektrumskop und weitere Funktionen dieses Amateurfunkgeräts von Icom.</p>
	<p>Icom IC-7100 HF/VHF/UHF All Mode Transceiver Basic Manual</p> <p>This basic manual provides essential operating instructions for the Icom IC-7100, an HF/VHF/UHF all-mode transceiver. Learn about its features, controls, and basic operations for amateur radio communication.</p>
	<p>Icom IC-705 HF/VHF/UHF All Mode Transceiver Basic Manual</p> <p>This basic manual provides essential operating instructions for the Icom IC-705 HF/VHF/UHF All Mode Transceiver, covering setup, operation, features, and precautions for this advanced amateur radio equipment.</p>
	<p>Icom IC-A16/IC-A16E VHF Air Band Transceiver Basic Manual</p> <p>This manual provides essential operating instructions for the Icom IC-A16 and IC-A16E VHF Air Band Transceivers. Learn about features, setup, basic operation, and safety precautions for these durable and compact devices.</p>