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> Clarion CMM-30BB Hideaway Marine Source Unit User Manual

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Model: CMM-30BB



1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the Clarion CMM-30BB Hideaway Marine Source Unit. The CMM-30BB is designed for concealed installations, offering high-performance audio capabilities for marine environments while integrating seamlessly with NMEA 2000® MFDs or optional wired remote controllers.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the unit and vessel:

- Ensure all power is disconnected before installation or maintenance.
- Properly insulate all wiring connections to prevent short circuits.
- Mount the unit in a location that is protected from direct water exposure, excessive heat, and vibration, unless specified otherwise for marine-grade components.
- Use only specified fuses and wiring gauges.
- Consult a qualified marine electronics technician for complex installations.

3. PACKAGE CONTENTS

Verify that all items are present before beginning installation:

- Clarion CMM-30BB Hideaway Marine Source Unit
- Wiring Harnesses (Power, Speaker, RCA, NMEA 2000, Remote)
- Mounting Hardware (Screws, Washers)
- Owner's Manual (This document)



Figure 4.1: Top view of the CMM-30BB, highlighting mounting points.

4.2 Wiring Connections

Carefully connect all wiring harnesses as described below. Refer to the wiring diagrams for detailed pinouts (not provided in this manual, refer to full product manual for diagrams).

- **Power Connection:** Connect the main power and ground wires to the vessel's electrical system, ensuring proper fusing.
- **Speaker Outputs:** Connect your marine speakers to the designated speaker output wires. The unit provides 100 watts (25W RMS x 4 @ 4 ohms) to two main zones.
- **RCA Outputs:** Utilize the 8-channel RCA outputs for connecting external amplifiers or additional audio zones.
- **NMEA 2000® Connection:** For integration with compatible Multi-Function Displays (MFDs), connect the NMEA 2000® cable to your vessel's NMEA 2000® network. This allows control of the CMM-30BB directly from your MFD.
- **Remote Connection:** Connect optional wired remote controllers (CMR-10, CMR-20, CMR-30) for flexible control up to 75 ft away.
- **USB Input:** Connect USB devices for audio playback and charging.
- **Auxiliary Input:** Connect external audio sources via the analog auxiliary input.



Figure 4.2: Rear view of the CMM-30BB with connected wiring harnesses.



Figure 4.3: Side view of the CMM-30BB showing cable management.

5. OPERATING INSTRUCTIONS

The CMM-30BB can be controlled via a compatible NMEA 2000® MFD or an optional Clarion wired remote controller.

5.1 Source Selection

Access various audio sources including:

- **AM/FM Radio:** Digital tuning with NOAA weather radio (US only).
- **SiriusXM-Ready:** Requires a SiriusXM Connect Vehicle Tuner and subscription (sold separately).
- **Bluetooth Audio Streaming:** Pair your Bluetooth-enabled device for wireless audio playback.
- **USB Playback:** Connect USB drives containing audio files.
- **Auxiliary Input:** For connecting external audio devices via a 3.5mm cable.

5.2 Audio Adjustments

Fine-tune your audio experience:

- **Volume Control:** Adjust the overall output level.
- **5-Band Equalizer:** Customize the frequency response for optimal sound.
- **Tone Controls:** Independent adjustments for Bass, Mid, and Treble.

5.3 Remote Control Options

The CMM-30BB supports various wired remote controllers for convenient operation:



Figure 5.1: CMM-30BB with compatible wired remote controllers.

- **CMR-10 Wired Remote Controller:** A compact, basic remote for source and volume control.



Figure 5.2: CMR-10 Wired Remote Controller.

- **CMR-20 Full-Function, Wired Remote Controller with LCD Display:** Offers more comprehensive control and visual feedback.



Figure 5.3: CMR-20 Wired Remote Controller.

- **CMR-30 Full-Function, Wired Remote Controller with Full-Color LCD Display:** Provides advanced control and a full-color display for enhanced user experience.



Figure 5.4: CMR-30 Wired Remote Controller.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your CMM-30BB unit.

- **Cleaning:** Use a soft, damp cloth to wipe down the unit. Avoid abrasive cleaners or solvents.

- **Connections:** Periodically check all wiring connections for corrosion or looseness, especially in marine environments.
- **Ventilation:** Ensure the unit's heat sink fins are clear of obstructions to allow for proper cooling.

7. TROUBLESHOOTING

If you experience issues with your CMM-30BB, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Blown fuse; Loose power connection; Vehicle battery low.	Check and replace fuse; Secure power and ground connections; Charge or replace battery.
No Sound	Muted; Volume too low; Loose speaker connections; Incorrect source selected.	Unmute unit; Increase volume; Check speaker wiring; Select correct audio source.
Bluetooth Not Connecting	Device not in pairing mode; Unit not in Bluetooth mode; Interference.	Ensure device is discoverable; Switch unit to Bluetooth source; Move device closer to unit.
Remote Control Not Responding	Loose remote cable connection; Incompatible remote.	Check remote cable connection; Ensure remote is a compatible Clarion CMR series.

If the problem persists after attempting these solutions, contact Clarion customer support or a qualified service technician.

8. SPECIFICATIONS

Feature	Detail
Model	CMM-30BB
Output Power	100 Watts (25W RMS x 4 @ 4 ohms)
RCA Outputs	8-Channel
Connectivity	NMEA 2000®, Bluetooth, USB, Auxiliary Input
Radio Tuner	Digital AM/FM, NOAA Weather Radio (US only)
Satellite Radio	SiriusXM-Ready
Equalizer	5-Band EQ, Bass/Mid/Treble Tone Controls
Durability	Salt Fog, UV Exposure, Vibration Resistant
Item Weight	3.14 pounds
Package Dimensions	11.34 x 9.69 x 3.66 inches

9. WARRANTY AND SUPPORT

Clarion products are manufactured to the highest quality standards. For warranty information, please refer to the warranty card included with your product or visit the official Clarion website. For technical support or service

inquiries, please contact Clarion customer service:

- **Website:** www.clarion.com
- **Customer Service:** Refer to the website for regional contact information.

Please have your product model number (CMM-30BB) and purchase date available when contacting support.

