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Cadence CWD60

Cadence CWD60 Pro Audio Compression Driver User Manual

Model: CWD60 | Brand: Cadence

1. Introduction

This manual provides comprehensive instructions for the proper installation, operation, and maintenance of your Cadence CWD60 Pro Audio Compression Driver. Please read this manual thoroughly before use to ensure optimal performance, safety, and longevity of the product.

2. Product Features

- High-performance 1.5-inch Titanium Voice Coil for clear, crisp high-frequency reproduction.
- Designed for professional audio applications, delivering powerful sound.
- Robust construction for durability and reliable performance.

3. Safety Information

Please observe the following safety precautions to prevent injury or damage to the product:

- Always disconnect power from the audio system before attempting any installation, wiring, or maintenance.
- Ensure proper wiring polarity to avoid damage to the compression driver or connected amplifier. Incorrect wiring can lead to poor sound quality or component failure.
- Avoid exposing the driver to moisture, water, or extreme temperatures. This product is not waterproof.
- Do not operate the driver at excessive volumes for prolonged periods, as this can cause permanent hearing damage.
- Mount the driver securely to prevent it from becoming dislodged during vehicle operation.

4. Package Contents

Verify that all items are present in the package:

- 1 x Cadence CWD60 Pro Audio Compression Driver

5. Setup and Installation

Proper installation is crucial for optimal performance. If you are unsure about any steps, consult a professional audio installer.

5.1 Mounting

The CWD60 compression driver is designed for integration into custom speaker enclosures or horn flares. Ensure the mounting surface is sturdy and provides adequate clearance for the driver's dimensions.



Figure 1: Top view of the Cadence CWD60 compression driver, illustrating the threaded throat for horn attachment.

5.2 Wiring

Connect the driver to your amplifier or crossover network. Pay close attention to polarity. The positive (+) terminal is typically marked red, and the negative (-) terminal is marked black.



Figure 2: Bottom view of the Cadence CWD60 compression driver, highlighting the gold-plated positive (red dot) and negative (black dot) terminals for wiring connections.

- Use high-quality speaker wire of appropriate gauge for your system.
- Ensure all connections are secure and free from shorts.
- It is highly recommended to use a passive or active crossover to protect the compression driver from low frequencies, which can cause damage. Refer to your amplifier or crossover manual for recommended settings.

6. Operating Instructions

Once installed and wired correctly, follow these steps for operation:

1. Ensure your amplifier's volume is set to its minimum level before powering on your audio system.
2. Power on your audio source unit and amplifier.
3. Gradually increase the volume to a comfortable listening level.
4. Listen for clear, undistorted high-frequency sound. If distortion is heard, reduce the volume immediately.

7. Maintenance

The Cadence CWD60 compression driver requires minimal maintenance:

- Keep the driver clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Periodically inspect wiring connections to ensure they remain tight and free from corrosion.
- Avoid applying excessive force or pressure to the diaphragm or voice coil area.

8. Troubleshooting

If you encounter issues with your compression driver, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from driver	Loose or incorrect wiring Amplifier not powered on Crossover setting too high or low Damaged driver	Check all wiring connections and polarity. Ensure amplifier is receiving power and is turned on. Verify crossover settings are appropriate for a tweeter. Inspect driver for visible damage; replace if necessary.
Distorted sound	Volume too high Incorrect crossover settings Amplifier clipping Damaged voice coil	Reduce volume to a safe level. Adjust crossover settings to protect the driver from low frequencies. Check amplifier gain settings; reduce if necessary. Inspect driver for damage; replace if necessary.
Intermittent sound	Loose wiring connection Faulty speaker wire	Secure all wiring connections. Test with new speaker wire.

9. Specifications

Detailed technical specifications for the Cadence CWD60 Pro Audio Compression Driver:

Specification	Value
Brand	Cadence
Model Name	CWD60
Speaker Type	Tweeter
Voice Coil Size	1.5 Inch
Voice Coil Material	Titanium
Max Power Handling	160 Watts
Product Dimensions (D x W x H)	3.86"D x 3.86"W x 3.35"H
Included Components	1 Compression Driver
Mounting Type	Tabletop Mount (referring to general installation, not specific to a table)
Power Source	Corded Electric (via amplifier)
Is Waterproof	FALSE

10. Warranty Information

For detailed warranty information regarding your Cadence CWD60 Pro Audio Compression Driver, please refer to the warranty card included with your purchase or visit the official Cadence website. Keep your proof of purchase for any warranty claims.

11. Support

If you require technical assistance, have questions about installation, or need further support for your Cadence CWD60, please contact Cadence customer service through their official website or the contact information provided with your product documentation.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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