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### Dayton Audio DC160-8

# Dayton Audio DC160-8 6-1/2" Classic Woofer Instruction Manual

Model: DC160-8

## 1. Introduction

The Dayton Audio DC160-8 6-1/2" Classic Woofer is a versatile audio component designed for various applications, including replacement bookshelf speakers, midbass drivers in 3-way systems, or small subwoofers. This driver features a smooth frequency response up to 2 kHz and robust bass capabilities, supported by a rubber surround, aluminum voice coil, and an extended bump plate. Its low 34 Hz free-air resonance contributes to its performance.




Image 1.1: Front and side view of the Dayton Audio DC160-8 Classic Woofer, showcasing its cone, surround, and terminal connections.

## 2. Safety Information

Please read and understand all safety instructions before installing or operating this product. Failure to do so may result in damage to the product or personal injury.

- **Power Handling:** Do not exceed the maximum power handling capacity of 100 Watts RMS to prevent damage to the woofer.
- **Impedance Matching:** Ensure your amplifier's output impedance matches the woofer's 8-ohm impedance.
- **Proper Enclosure:** Install the woofer in an appropriate enclosure designed for its specifications to ensure optimal performance and longevity.
- **Wiring:** Always disconnect power from audio equipment before making any wiring connections. Ensure correct polarity (+ to + and - to -) to avoid phase issues.

## 3. Package Contents

Your Dayton Audio DC160-8 Classic Woofer package should contain the following item:

- One (1) Dayton Audio DC160-8 6-1/2" Classic Woofer

Inspect the woofer for any signs of damage during shipping. If any damage is found, contact your retailer immediately.

## 4. Setup and Installation

### 4.1. Mounting

The DC160-8 woofer is designed for flush mounting in a speaker enclosure. Ensure the mounting hole in your enclosure is appropriately sized for a 6.5-inch driver. Use suitable screws to secure the woofer to the baffle, ensuring an airtight seal to prevent air leaks that can degrade sound quality.



Image 4.1: Front view of the Dayton Audio DC160-8 woofer, showing the cone and the perimeter mounting holes for installation.

## 4.2. Wiring Connections

Connect the woofer to your amplifier or crossover network using appropriate speaker wire. Observe correct polarity:

- Connect the positive (+) terminal of the woofer to the positive (+) output of your amplifier/crossover.
- Connect the negative (-) terminal of the woofer to the negative (-) output of your amplifier/crossover.

Incorrect polarity can lead to phase cancellation, resulting in reduced bass response and an altered soundstage.




Image 4.2: Rear view of the Dayton Audio DC160-8 woofer, highlighting the positive and negative speaker terminals for wiring connections.

## 5. Operation

Once installed and wired correctly, the Dayton Audio DC160-8 woofer will operate as part of your audio system. Ensure your amplifier is powered on and set to a low volume before playing audio. Gradually increase the volume to your desired listening level. This woofer is a passive component and requires an external amplifier and, typically, a crossover network to function correctly within a multi-driver speaker system.

## 6. Maintenance

The Dayton Audio DC160-8 woofer requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Gently wipe the cone and surround with a soft, dry cloth to remove dust. Avoid using harsh chemicals or excessive moisture.
- **Inspection:** Periodically inspect the woofer for any signs of damage to the cone, surround, or dust cap. Ensure all mounting screws remain tight.
- **Environment:** Avoid exposing the woofer to extreme temperatures, direct sunlight, or high humidity, as these conditions can degrade materials over time.

## 7. Troubleshooting

If you encounter issues with your Dayton Audio DC160-8 woofer, refer to the following common problems and solutions:

- **No Sound:**
  - Check all wiring connections from the amplifier to the woofer for secure contact and correct polarity.
  - Verify that the amplifier is powered on and functioning correctly.
  - Ensure the audio source is active and sending a signal.
- **Distorted Sound:**
  - Reduce the amplifier's volume or gain settings to prevent overdriving the woofer.
  - Check for any physical damage to the woofer cone or surround.
  - Ensure the enclosure is airtight and free of rattles.
- **Weak Bass:**
  - Confirm correct wiring polarity.
  - Verify the woofer is installed in an appropriate enclosure for its specifications.
  - Check crossover settings if applicable.

If problems persist, consult a qualified audio technician.

## 8. Technical Specifications

| Specification | Value |
|---|---|
| Model Name | DC160-8 |
| Speaker Type | Woofer |
| Woofer Diameter | 6.5 Inches |
| Material | Aluminum (Voice Coil) |
| Speaker Maximum Output Power | 100 Watts |
| Connectivity Technology | Wired |
| Audio Driver Type | Dynamic Driver |
| Product Dimensions | 3.23"D x 8.2"W x 8.2"H |
| Item Weight | 3.25 pounds |
| Manufacturer | Dayton Audio |
| UPC | 844632000232 |

## 9. Warranty Information

The Dayton Audio DC160-8 Classic Woofer comes with a Full Warranty. For specific details regarding the terms, conditions, and duration of your warranty, please refer to the warranty card included with your purchase or visit the official Dayton Audio website. Keep your proof of purchase for warranty claims.

## 10. Customer Support

For further assistance, technical support, or inquiries regarding your Dayton Audio DC160-8 Classic Woofer, please visit the official Dayton Audio store or contact their customer service department.

**Dayton Audio Store:** Visit the Dayton Audio Store on Amazon


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