

Lowell DSL-805-72

Lowell DSL-805-72 8-Inch Dual Cone Speaker Instruction Manual

Model: DSL-805-72

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Lowell DSL-805-72 8-Inch Dual Cone Speaker. This speaker package includes an 8-inch dual cone speaker, a wall-mount enclosure, and a 25V/70V dual voltage transformer. Designed for commercial and professional audio applications, this unit delivers clear sound reproduction. Please read this manual thoroughly before installation and retain it for future reference.

Important Safety Information

- Always disconnect power before installing or servicing the speaker.
- Installation should be performed by qualified personnel in accordance with all local and national electrical codes.
- Do not expose the speaker to moisture or extreme temperatures. This product is not waterproof.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Use appropriate wiring gauges for the power and signal connections.

2. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package.

- One (1) Lowell 8-Inch Dual Cone Speaker
- One (1) Steel Wall-Mount Enclosure with Grille
- One (1) 25V/70V Dual Voltage Transformer (pre-installed or separate)
- Mounting Hardware (screws, anchors - specific types may vary)



Figure 2.1: Front view of the Lowell DSL-805-72 speaker in its enclosure.

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is highly recommended that installation be performed by a qualified audio technician or electrician.

3.1 Site Selection

- Choose a mounting location that is structurally sound and can support the weight of the speaker and enclosure.
- Consider acoustic properties of the room and desired sound coverage.
- Ensure adequate clearance for wiring and maintenance.

3.2 Mounting the Enclosure

1. Carefully mark the drilling points on the wall using the enclosure as a template.
2. Drill pilot holes appropriate for your mounting hardware (screws, anchors).
3. Secure the enclosure firmly to the wall using suitable screws and anchors. Ensure it is level and stable.

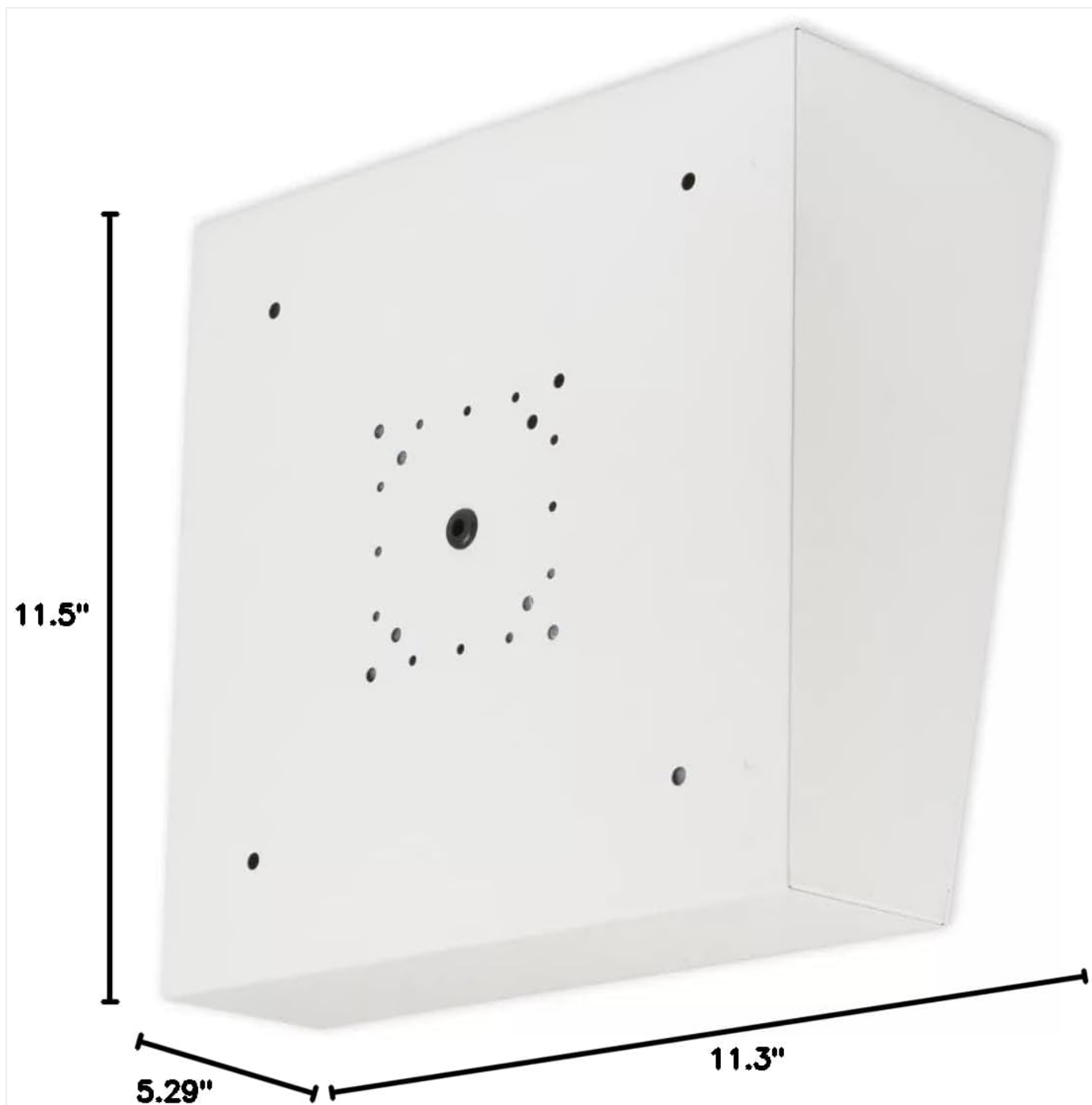


Figure 3.1: Dimensions of the DSL-805-72 enclosure for mounting reference.

3.3 Wiring the Transformer and Speaker

The DSL-805-72 features a 25V/70V dual voltage transformer with multiple power taps. This allows for flexible power distribution in constant voltage audio systems.

1. **Determine Power Tap:** Select the desired wattage tap (0.25W, 0.5W, 1W, 2W, 5W) on the transformer based on your system's design and desired sound level. Higher wattage taps will result in louder output.
2. **Connect to Amplifier:** Connect the appropriate 25V or 70V output from your amplifier to the corresponding input terminals on the speaker's transformer. Ensure correct polarity (+ to + and - to -).
3. **Secure Connections:** Use appropriate wire connectors (e.g., wire nuts, terminal blocks) to ensure secure and insulated connections.
4. **Test System:** Before fully securing the grille, perform a low-volume test to ensure proper operation.

WARNING: Incorrect wiring or connection to a standard low-impedance amplifier (e.g., 8-ohm) can damage the speaker and/or amplifier. Always use with 25V or 70V constant voltage audio systems.

4. OPERATING INSTRUCTIONS

Once properly installed and wired, the Lowell DSL-805-72 speaker operates as part of your constant voltage audio system.

- **Power On:** Turn on your amplifier or audio source.
- **Volume Control:** Adjust the overall system volume from your amplifier. The individual speaker's volume is determined by the selected transformer tap during installation.
- **Sound Quality:** Ensure the audio source is clean and free of distortion for optimal sound reproduction.

5. MAINTENANCE

The DSL-805-72 speaker requires minimal maintenance.

- **Cleaning:** Periodically wipe the enclosure and grille with a soft, dry cloth to remove dust. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually inspect all wiring connections for tightness and signs of wear or corrosion.
- **Damage:** If the speaker or enclosure appears damaged, disconnect power immediately and contact a qualified technician for repair or replacement.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound	◦ No power to amplifier. ◦ Incorrect wiring or loose connections. ◦ Incorrect transformer tap selection. ◦ Amplifier fault.	◦ Check amplifier power supply. ◦ Verify all wiring connections are secure and correct. ◦ Ensure transformer tap is selected and connected properly. ◦ Test amplifier with another speaker or source.
Distorted Sound	◦ Overdriving the speaker (too high volume). ◦ Incorrect transformer tap for amplifier output. ◦ Damaged speaker or wiring. ◦ Poor audio source quality.	◦ Reduce amplifier volume. ◦ Verify transformer tap matches system requirements. ◦ Inspect speaker cone and wiring for damage. ◦ Check audio source and cables.
Intermittent Sound	◦ Loose wiring connections. ◦ Faulty cable.	◦ Check and re-secure all connections. ◦ Replace audio cables if suspected faulty.

7. SPECIFICATIONS

Feature	Detail
Model	DSL-805-72
Speaker Type	8-Inch Dual Cone Speaker
Enclosure Material	Steel
Transformer Type	25V/70V Dual Voltage
Transformer Taps	0.25W, 0.5W, 1W, 2W, 5W
Product Dimensions (D x W x H)	5.29" x 11.3" x 11.5" (13.44 cm x 28.7 cm x 29.21 cm)

Feature	Detail
Manufacturer	Lowell
UPC	811859033626
Waterproof	No

8. WARRANTY AND SUPPORT

For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Lowell Manufacturing website.

If you require technical assistance or have questions not covered in this manual, please contact Lowell Manufacturing customer support through their official website or designated contact channels.

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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.

Name

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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.

Submit question