JBL COL600

JBL Professional COL600 Slim Column Speaker Instruction Manual

Model: COL600 | Brand: JBL Professional

1. INTRODUCTION

The JBL COL600 is a 24-inch (600 mm) slim column loudspeaker designed for professional audio applications. It features wide horizontal and narrow vertical coverage, with a built-in 10° down-tilt for optimized sound projection. Its compact and elegant design integrates seamlessly into various architectural settings, making it suitable for conference rooms, lecture halls, retail spaces, and other environments requiring high-performance audio with a discreet aesthetic.

This manual provides essential information for the safe and effective installation, operation, and maintenance of your JBL COL600 speaker.

2. PACKAGE CONTENTS

Verify that all components are present in the package:

- JBL COL600 Slim Column Speaker (1 pc)
- Low-profile Swivel (Pan) / Tilt Wall Bracket
- L-Brackets (2 pcs)

3. SETUP AND INSTALLATION

The JBL COL600 offers versatile mounting options to suit various installation requirements. Always ensure the mounting surface can safely support the weight of the speaker and its brackets.

3.1 Mounting Options

Two types of brackets are included for installation:

- **L-Brackets:** These can be installed on either the top and bottom panels for horizontal pan aiming, or on

the left and right side panels for vertical mounting. Both configurations allow for close-to-the-wall installation.

- **Low-profile Swivel (Pan) / Tilt Wall Bracket:** This bracket provides additional flexibility, allowing for up to 10° of down-tilt adjustment in addition to the speaker's built-in 10° down-tilt.

Figure 1: Side view of the JBL COL600 speaker showing an L-bracket installed for wall mounting.

Figure 2: Side view of the JBL COL600 speaker with the low-profile swivel/tilt wall bracket, allowing for adjustable aiming.

3.2 Wiring Connections

The COL600 speaker supports both distributed speaker lines and direct 8-ohm operation:

- **70V or 100V Distributed Systems:** Utilize the built-in 20-watt multi-tap transformer for connection to 70V or 100V constant voltage audio systems. Ensure the correct tap setting is selected based on your system's requirements.
- **8-ohm Direct Operation:** For direct connection to a low-impedance amplifier, switch the speaker to its 8-ohm setting. This mode supports a power handling of 80W continuous (320W peak, 2 hours).

Always ensure power is off before making any connections to prevent damage to the speaker or amplifier.

4. OPERATING INSTRUCTIONS

Once properly installed and connected, the JBL COL600 speaker is ready for operation.

4.1 Powering On

Ensure your audio source and amplifier are connected and powered on according to their respective manuals. The COL600 speaker itself is a passive device and does not require separate power. It draws power from the connected amplifier.

4.2 Audio Playback

Begin playing audio through your connected source. Adjust the volume levels on your amplifier to achieve the desired sound output. The COL600 delivers a frequency range of 70 Hz to 20 kHz, providing clear sound for both music and speech applications.

Figure 3: Front view of the JBL COL600 speaker, ready for audio playback.

5. MAINTENANCE

The JBL COL600 is designed for durability and features an IP54 rating, offering protection against dust and water ingress. Regular maintenance will help ensure its longevity and optimal performance.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the speaker. For stubborn dirt, a slightly damp cloth can be used, but avoid excessive moisture. Do not use harsh chemicals or abrasive cleaners.
- **Environmental Protection:** The drivers are water-treated, and the grille has a water-backing. A cover is included to protect the input terminals. While rated IP54, avoid direct exposure to heavy rain or prolonged submersion.
- **Connection Check:** Periodically inspect all cable connections to ensure they are secure and free from corrosion or damage.

6. TROUBLESHOOTING

If you encounter issues with your JBL COL600 speaker, refer to the following common troubleshooting steps:

- **No Sound:**
  - Verify that the amplifier is powered on and functioning correctly.
  - Check all audio cable connections between the source, amplifier, and speaker. Ensure they are securely plugged in.
  - Confirm the correct input is selected on your amplifier.
  - If using 70V/100V, ensure the correct tap setting is selected on the speaker and the amplifier output matches. If using 8-ohm, ensure the speaker is set to 8-ohm and the amplifier is compatible.
  - Test with a different audio source or cable if possible.

- **Distorted Sound:**
  - Reduce the volume level on your amplifier and audio source. Overdriving the speaker can cause distortion.
  - Check for damaged cables or loose connections.
  - Ensure the speaker's impedance setting (70V/100V tap or 8-ohm) matches the amplifier's output.

- **Intermittent Sound:**
  - Inspect all connections for looseness or intermittent contact.
  - Check for any physical damage to the speaker cable.

If the issue persists after performing these steps, contact JBL Professional customer support for further assistance.

7. SPECIFICATIONS

Feature	Specification
Model Name	JBL-COL600-BK
Speaker Type	Slim Column Speaker
Mounting Type	Wall Mount
Material	Plastic
Product Dimensions (D x W x H)	3.7" x 4" x 23.5" (93mm x 102mm x 597mm)
Item Weight	10 Pounds (4.5 kg)
Woofer Diameter	Two 5-inch x 2.25 inch racetrack woofers
Tweeter Diameter	1 Inch
Frequency Response	70 Hz – 20 kHz
Power Handling (Continuous Pink Noise)	80W (320W Peak, 2 hrs)
Speaker Maximum Output Power	20 Watts (via multi-tap transformer)
Impedance	8-ohm direct, or 70V/100V multi-tap transformer
Connectivity Technology	Auxiliary (wired)
Audio Output Mode	Mono
Water Resistance Level	IP54 (Water Resistant)
Color	Black
Included Components	Low-profile Swivel (Pan) / Tilt WALL BRACKET, 2 x L-BRACKETS

8. WARRANTY AND SUPPORT

8.1 Limited Warranty

The JBL COL600 Slim Column Speaker is covered by a Limited Warranty. Please refer to the warranty card included with your product or visit the official JBL Professional website for detailed terms and conditions regarding warranty coverage, duration, and claims procedures.

8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact JBL Professional customer support. You can find contact information and additional resources on the official JBL Professional website: pro.harman.com