

Manuals.plus /

> JBL /

> JBL Professional Control 30 Three-Way High Output Indoor/Outdoor Monitor Speaker User Manual

JBL CONTROL 30

JBL Professional Control 30 Three-Way High Output Indoor/Outdoor Monitor Speaker User Manual

Model: CONTROL 30

INTRODUCTION

The JBL Professional Control 30 is a high-output, three-way monitor speaker designed for both indoor and outdoor applications. It incorporates advanced components, computer-optimized horn and coaxial designs, and patented cabinet manufacturing techniques to deliver smooth, high-fidelity audio performance with extended bandwidth and controlled coverage.

This speaker features a 250 mm (10 inch) fiberglass/Kevlar cone low-frequency (LF) woofer with a neodymium magnet, a coaxial 125 mm (5 inch) anodized aluminum cone, and a 25 mm (1 inch) titanium diaphragm compression driver. It provides 120° x 110° high-frequency (HF) coverage and includes Sonic Guard overload protection. The Control 30 is equipped with a 150W transformer for compatibility with 70V or 100V lines, and also supports 8 Ohm Thru operation.

SETUP

Unpacking

Carefully remove the speaker from its packaging. Verify that all components listed in the 'What's in the Box' section are present. Inspect the speaker for any signs of damage that may have occurred during shipping. If any damage is found, contact your dealer immediately.

Mounting Options

The Control 30 speaker is designed for versatile installation and can be mounted on walls or ceilings. Ensure that the mounting surface is structurally sound and capable of supporting the speaker's weight (approximately 51.9 pounds or 23.5 kg).

- **Wall Mounting:** Use appropriate wall brackets (e.g., MTC-30UB, sold separately) designed for the Control 30. Follow the bracket manufacturer's instructions for secure installation.
- **Ceiling Mounting:** For ceiling installations, optional accessories such as the MTC-30CM (sold

separately) are available to suspend the speaker. Consult a professional installer for complex ceiling mounts.

Always use approved mounting hardware and ensure all connections are secure to prevent accidental detachment.

Connections

The Control 30 is a passive speaker and requires an external amplifier. It supports both low-impedance (8 Ohm Thru) and high-impedance (70V/100V line) systems.

- **Low Impedance (8 Ohm Thru):** Connect the speaker to a suitable amplifier output using high-quality speaker wire. Ensure the amplifier can safely drive a 4 Ohm load (as per specifications, though 8 Ohm Thru is also mentioned, 4 Ohm is the primary impedance).
- **High Impedance (70V/100V Line):** Utilize the built-in 150W transformer for constant voltage systems. Select the appropriate tap setting on the speaker for your system's voltage (70V or 100V) and desired power level.

Ensure all wiring is correctly polarized (+ to + and - to -) to maintain proper audio phase. For coaxial connectivity, follow standard wiring practices for professional audio equipment.



Figure 1: Front view of the JBL Professional Control 30 speaker.



Figure 2: Side view of the JBL Professional Control 30 speaker illustrating its dimensions (27.5"H x 18.5"D x 19"W).

OPERATING

Powering On

Once the speaker is securely mounted and correctly wired to an appropriate amplifier, power on the amplifier. The Control 30 is a passive speaker and does not have its own power switch.

Audio Playback

Begin audio playback from your source device. Adjust the volume level on your amplifier or audio mixer. The Control 30 is designed for a maximum output power of 150 Watts (RMS) and can handle peak wattage up to 500 watts. Avoid exceeding these limits to prevent damage to the speaker.

System Integration

This speaker is suitable for stereo or surround sound channel configurations (up to 3.0). While the speaker itself is passive, some specifications mention 'Bluetooth' and 'App, Remote' control methods. These features typically refer to the overall audio system or amplifier to which the speaker is connected, allowing for wireless control of the audio source or amplifier settings.

Recommended Usage

The Control 30 is ideal for applications requiring high-quality sound reproduction in both indoor and outdoor environments. Its robust design and waterproof rating make it suitable for challenging conditions. It is recommended for professional audio installations where consistent sound coverage and high output are required.

MAINTENANCE

The JBL Control 30 is designed for durability and minimal maintenance. As it is waterproof, it can withstand exposure to outdoor elements.

- **Cleaning:** For general cleaning, wipe the speaker cabinet with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners, as these can damage the finish or grille.
- **Grille Maintenance:** Periodically check the speaker grille for any accumulation of dust or debris. A soft brush or vacuum cleaner with a brush attachment can be used to gently clean the grille.
- **Connection Check:** Regularly inspect all wiring connections to ensure they remain secure and free from corrosion, especially in outdoor installations.
- **Environmental Considerations:** While waterproof, prolonged exposure to extreme weather conditions (e.g., direct heavy rain, extreme temperatures) should be minimized where possible to extend the product's lifespan.

TROUBLESHOOTING

If you encounter issues with your JBL Control 30 speaker, consider the following general troubleshooting steps:

- **No Sound:**
 - Verify that the amplifier is powered on and functioning correctly.
 - Check all speaker wire connections at both the amplifier and the speaker for proper seating and polarity.
 - Ensure the audio source is active and sending a signal to the amplifier.
 - If using a 70V/100V system, confirm the correct tap setting is selected on the speaker.
- **Distorted Sound:**
 - Reduce the volume level on the amplifier to see if distortion decreases. Overdriving the speaker or amplifier can cause distortion.

- Check speaker wire for any damage or short circuits.
- Ensure the amplifier's impedance matches the speaker's requirements (4 Ohm or appropriate 70V/100V tap).

- **Intermittent Sound:**

- Inspect all connections for looseness or corrosion.
- Test with a different audio cable or source if possible.

For persistent issues or complex technical problems, it is recommended to consult a qualified audio technician or contact JBL Professional customer support.

SPECIFICATIONS

Feature	Detail
Model Name	Control 30
Speaker Type	Indoor, Outdoor
Special Feature	Bluetooth (for system control, not direct speaker control)
Recommended Uses	Compression (suitable for professional audio applications)
Compatible Devices	Personal Computer (via audio system)
Unit Count	1.0 Count
Surround Sound Channel Configuration	3.0
Color	Black
Included Components	1 Speaker
Product Dimensions (D x W x H)	13.5"D x 14.6"W x 23.3"H
Item Weight	51.9 Pounds (23.5 kg)
Impedance	4 Ohm
Is Waterproof	True
Number of Items	1
Control Method	App, Remote (via connected audio system)
Wireless Communication Technology	Bluetooth (via connected audio system)
Speaker Size	10 Inches
Power Source	Corded Electric (for amplifier, speaker is passive)
Woofers Diameter	250 mm (10 inches)
Audio Driver Type	Dynamic Driver
Subwoofer Connectivity Technology	Wired

Feature	Detail
Includes MP3 player?	No
Number Of Circuits	3
Number of Power Levels	7
UPC	050036903400
Style	150-Watt
Manufacturer	JBL Professional
Date First Available	May 25, 2010
Speaker Amplification Type	Passive
Wattage	500 watts (Peak)
Speaker Maximum Output Power	150 Watts (RMS/Continuous)
Connectivity Technology	Coaxial
Audio Output Mode	Stereo, Surround Sound
Mounting Type	Wall, Ceiling

WARRANTY

The JBL Professional Control 30 speaker comes with a full warranty. For specific details regarding the terms, duration, and coverage of your warranty, please refer to the warranty documentation included with your purchase or visit the official JBL Professional website.

SUPPORT

For further assistance, technical support, or inquiries regarding your JBL Professional Control 30 speaker, please visit the official JBL Store or contact their customer service department.

Visit the JBL Professional Store