

JBL Control 18C/T-BK

JBL Professional Control 18C/T-BK 8-Inch Coaxial Ceiling Loudspeaker Instruction Manual

Model: Control 18C/T-BK

1. INTRODUCTION

The JBL Professional Control 18C/T-BK is a high-performance, two-way 8-inch coaxial ceiling loudspeaker designed for a wide range of commercial audio applications. This full-range speaker features a 200 mm (8.0 inch) high-tech cone driver and a 25 mm (1.0 inch) soft-dome liquid-cooled tweeter, ensuring clear and consistent sound reproduction. Its robust construction includes a UV-resistant baffle and a pre-attached blind-mount back can for simplified installation.

This manual provides essential information for the proper installation, operation, and maintenance of your Control 18C/T-BK loudspeakers.

2. KEY FEATURES

- 200 mm (8.0 in) high output driver with polypropylene cone and butyl rubber surround.
- 25 mm (1.0 in) soft-dome liquid-cooled tweeter for extended high-frequency response.
- Blind-mount back can design for quick and easy installation in various ceiling types.
- Dual conduit/cable clamps for secure wiring connections.
- Combined 70V/100V and low impedance (8Ω) direct operation, offering versatility for different audio systems.
- 90 Watts power handling at 8Ω nominal setting; 60W multi-tap at 70V/100V.

3. PACKAGE CONTENTS

Verify that all components are present before proceeding with installation:

- 2 x JBL Professional Control 18C/T-BK Ceiling Loudspeakers
- Installation Template (if included)
- User Manual (this document)

4. SETUP AND INSTALLATION

Safety First: Always disconnect power to the installation area before beginning any electrical work. Consult with a qualified electrician or installer if you are unsure about any steps.



Image: JBL Professional Control 18C/T-BK Ceiling Loudspeakers

4.1 Planning the Installation

- Determine the optimal placement for sound coverage.
- Ensure there is sufficient clearance behind the ceiling surface for the speaker's back can.
- Verify that the ceiling material can support the weight of the speaker.

4.2 Cutting the Ceiling Opening

- Use the provided template (if applicable) or refer to the specifications for the correct cutout diameter.
- Carefully cut the opening in the ceiling using an appropriate tool.

4.3 Wiring the Loudspeaker

- Route the speaker wire from your amplifier to the ceiling opening.
- Connect the speaker wires to the appropriate terminals on the loudspeaker. The Control 18C/T-BK supports both low impedance (8Ω) and 70V/100V constant voltage systems.
- For 70V/100V systems, select the desired wattage tap setting using the rotary switch on the speaker. Ensure the amplifier output matches the selected voltage.
- Utilize the dual conduit/cable clamps to secure the wiring and maintain proper strain relief.

4.4 Mounting the Loudspeaker

- Insert the loudspeaker into the ceiling opening.
- Engage the blind-mount tabs by tightening the screws on the front baffle. These tabs will pivot outwards and clamp onto the ceiling material, securing the speaker in place.
- Ensure the speaker is flush with the ceiling surface and securely fastened.

5. OPERATING INSTRUCTIONS

Once installed and wired correctly, the Control 18C/T-BK loudspeakers operate passively, receiving audio signals from an external amplifier.

- **Power On:** Turn on your audio amplifier.
- **Volume Control:** Adjust the volume level using your amplifier's controls.
- **Audio Source:** Ensure your audio source is properly connected to the amplifier and playing content.
- **Impedance/Voltage Matching:** Always ensure your amplifier's output impedance or voltage setting matches the speaker's configuration (8Ω or selected 70V/100V tap). Incorrect matching can lead to poor performance or damage.

6. MAINTENANCE

The JBL Control 18C/T-BK loudspeakers require minimal maintenance.

- **Cleaning:** Gently wipe the grille and baffle with a soft, dry cloth to remove dust. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check the mounting screws to ensure they remain tight and secure.
- **Environment:** Ensure the speakers are not exposed to excessive moisture or extreme temperatures, as they are designed for indoor use and are not waterproof.

7. TROUBLESHOOTING

If you experience issues with your loudspeakers, refer to the following common troubleshooting steps:

- **No Sound:**
 - Check if the amplifier is powered on and functioning correctly.
 - Verify all speaker wire connections at both the amplifier and the speaker terminals.
 - Ensure the audio source is active and properly connected.
 - Confirm the correct impedance or voltage tap setting is selected on the speaker and matched by the amplifier.
- **Distorted Sound:**
 - Reduce the volume level on the amplifier.
 - Check for loose wiring connections.
 - Ensure the amplifier is not overdriven or clipping.
 - Verify the speaker's power handling capacity is not exceeded by the amplifier.
- **Intermittent Sound:**
 - Inspect all wiring for breaks or loose connections.
 - Check for any short circuits in the speaker wiring.

If problems persist, contact JBL Professional customer support or a qualified audio technician.

8. SPECIFICATIONS

Feature	Specification
Model Name	Control 18C/T-BK
Speaker Type	In-Ceiling, Two-Way Coaxial
Woofer Diameter	200 mm (8 Inches)
Tweeter Diameter	25 mm (1 Inch)
Frequency Response	16 KHz (Upper Limit)
Impedance	8 Ohm (nominal)
Input Voltage (70V/100V)	70 Volts (AC) / 100 Volts (AC)
Wattage (8 Ohm)	90 Watts


Feature	Specification
Speaker Maximum Output Power (70V/100V)	60 Watts (multi-tap)
Mounting Type	Ceiling Mount
Material	Plastic
Color	Black
Product Dimensions (D x W x H)	29.8"D x 16"W x 15.7"H (Note: These dimensions seem unusually large for a single ceiling speaker and might refer to packaging or a pair. Refer to product diagrams for exact speaker dimensions.)
Item Weight	19.5 Pounds (for the pair)
Indoor/Outdoor Usage	Indoor
Water Resistance Level	Not Water Resistant
Speaker Amplification Type	Passive
Connectivity Technology	RCA (Note: Typically refers to input type, actual connection is via speaker wire terminals)
UPC	691991004735

9. WARRANTY AND SUPPORT

The JBL Professional Control 18C/T-BK loudspeakers come with a Limited Warranty. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official JBL Professional website.


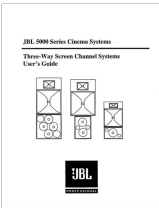
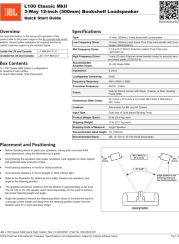

For technical support, service, or further inquiries, please contact JBL Professional customer service through their official channels.

Related Documents - Control 18C/T-BK



[JBL Control 416C/T Standard Coverage Series Ceiling Loudspeaker - Technical Specifications](#)

Detailed technical specifications, features, and performance data for the JBL Control 416C/T, a 6.5-inch two-way coaxial ceiling loudspeaker designed for commercial and professional audio installations.

	<p>JBL AWC82 All-Weather Compact 2-Way Coaxial Loudspeaker - Technical Specifications and Features</p> <p>Detailed specifications, key features, applications, performance data, and warranty information for the JBL AWC82 all-weather compact coaxial loudspeaker with an 8-inch LF driver.</p>
	<p>JBL 4367 Owner's Manual: 15-inch 2-Way Floorstanding Loudspeaker</p> <p>This owner's manual provides detailed information on the JBL 4367, a 15-inch 2-way floorstanding loudspeaker. Learn about setup, placement, connections, controls, and care for optimal audio performance.</p>
	<p>JBL 5000 Series Cinema Systems: User's Guide and Specifications</p> <p>Comprehensive user's guide for JBL 5000 Series Cinema Systems, detailing system configurations, digital control, connections, power requirements, speaker placement, and technical specifications for models 5671, 5672, and 5674.</p>
	<p>JBL L100 Classic MkII Bookshelf Loudspeaker Quick Start Guide</p> <p>Get started with your JBL L100 Classic MkII 3-Way Bookshelf Loudspeakers. This guide covers setup, placement, wiring, and controls for optimal audio performance.</p>
	<p>JBL Control 10 Series Ceiling Loudspeakers: Owner's Manual & Installation Guide</p> <p>Comprehensive owner's manual and installation guide for JBL Control 10 Series ceiling loudspeakers, including models Control 12C/T, Control 14C/T, and Control 16C/T. Learn about features, installation, wiring, and specifications.</p>