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JBL CONTROL 52

JBL Professional Control 52 Surface-Mount Satellite Speaker

MODEL: CONTROL 52

Instruction Manual

Introduction

The JBL Professional Control 52 is a stylish surface-mount satellite loudspeaker designed for subwoofer-satellite loudspeaker systems. It delivers superb high-fidelity sound through a low-distortion 60 mm (2.5 inch) driver. Key features include a secondary bucking magnet for high efficiency, a rubber half-roll surround for enhanced bass performance, a 19 mm (0.75 inch) copper-clad aluminum wire voice coil on a vented Nomex former for high fidelity and reliability, and a copper-capped pole piece for consistent impedance and extended high-frequency response. The included wall bracket allows for angling the speaker up to 45 degrees off-axis, providing flexible placement options.

Key Features

- Wall-mount brackets included for flexible installation.
- 16 Ohms impedance and a frequency range of 140 Hz – 20 kHz.
- Stylish, unobtrusive design suitable for various decors.
- Compatible with JBL Control 42C in-ceiling and JBL Control 62P pendant satellite speakers for integrated systems.
- Designed to complement the JBL Control 50S/T Surface-Mount Subwoofer for a complete audio system.

What's in the Box

- JBL Professional Control 52 Surface-Mount Satellite Speaker (Pair)
- Wall-mount brackets
- User Manual (this document)

Setup and Installation

The Control 52 satellite speakers are designed for surface mounting and come with all necessary brackets for installation. Ensure you have appropriate tools and follow local building codes for secure mounting.



Figure 1: Front view of the JBL Control 52 Satellite Speaker.

Mounting the Speakers

- 1. Identify Mounting Location:** Choose a location on a wall or other suitable surface that provides optimal sound dispersion and is structurally sound. The speakers can be angled up to 45 degrees.
- 2. Attach Brackets:** Use the included wall-mount brackets. Securely attach the brackets to the chosen surface using appropriate screws and anchors (not included, depending on wall material).
- 3. Connect Wiring:** Connect speaker wires from your amplifier to the binding posts on the back of each Control 52 speaker. Ensure correct polarity (red to positive, black to negative).
- 4. Mount Speakers:** Attach the Control 52 speakers to the installed brackets. The design allows for various orientations (vertical or horizontal) and angles.



Figure 2: A pair of JBL Control 52 Satellite Speakers, showing the integrated wall mounts.

Wiring Connections

The Control 52 speakers are passive and require an external amplifier. Connect the speaker wires to the spring-loaded terminals on the rear of each speaker. Match the positive (+) terminal on the speaker to the positive (+) terminal on your amplifier, and the negative (-) terminal on the speaker to the negative (-) terminal on your amplifier.



Figure 3: Side view of the JBL Control 52 Satellite Speaker, highlighting the adjustable mounting bracket.

Video Guide: Speaker Wiring and Mounting

Your browser does not support the video tag.

Video 1: This video demonstrates general speaker wiring and mounting techniques, which can be applied to the JBL Control 52 speakers. It shows how to connect speaker cables and secure speakers using brackets.

Operating Instructions

Once properly installed and connected to a compatible amplifier, the JBL Control 52 speakers are ready for use. These speakers are designed to work as part of a subwoofer-satellite system, meaning they handle mid-range and high frequencies, while a separate subwoofer handles the bass.

Powering On/Off

The Control 52 speakers are passive and do not have their own power switch. They are powered by the connected amplifier. Turn your amplifier on or off to control the speakers.

Volume Control

Adjust the volume using your amplifier or audio source. Avoid setting the volume too high, which can cause distortion and potentially damage the speakers.

Optimal Placement

For the best audio experience, position the speakers to create a balanced sound field. Experiment with the angling feature of the wall brackets to direct sound towards the primary listening area. When used with a subwoofer, ensure the subwoofer is placed in a location that provides even bass distribution throughout the room.

Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your JBL Control 52 speakers.

- **Cleaning:** Use a soft, dry cloth to wipe the speaker cabinets. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **Dust Removal:** Gently brush any dust from the speaker grilles using a soft brush or a vacuum cleaner with a brush attachment on a low setting.
- **Environmental Conditions:** These speakers are designed for indoor use. Avoid exposing them to extreme temperatures, direct sunlight, high humidity, or moisture, as they are not waterproof.
- **Cable Inspection:** Periodically check speaker cables for any signs of wear, fraying, or damage. Replace damaged cables immediately to prevent electrical hazards and maintain sound quality.

Troubleshooting

If you experience issues with your JBL Control 52 speakers, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound from speakers	Amplifier is off or muted. Incorrect speaker wiring. Audio source not playing or improperly connected.	Ensure amplifier is on and volume is up, not muted. Check all speaker wire connections for correct polarity (+ to + and - to -). Verify audio source is active and connected correctly to the amplifier.
Distorted or unclear sound	Volume too high on amplifier or source. Damaged speaker wire. Improper amplifier settings.	Reduce volume on amplifier or audio source. Inspect speaker wires for damage and replace if necessary. Check amplifier settings (e.g., tone controls, crossover settings) to ensure they are appropriate for satellite speakers.
One speaker not working	Loose or incorrect wiring for that speaker. Faulty speaker.	Check wiring connections for the non-working speaker. Swap the non-working speaker with a working one to determine if the speaker itself is faulty.

Specifications

Model Name	CONTROL 52
Brand	JBL
Speaker Type	Satellite Speaker (for Subwoofer-Satellite Loudspeaker System)
Mounting Type	Surface Mount
Speaker Amplification Type	Passive
Impedance	16 Ohms
Frequency Response	140 Hz – 20 kHz
Speaker Maximum Output Power	600 Watts (Peak)
Woofer Diameter	60 mm (2.5 inches)
Tweeter Diameter	19 mm (0.75 inches)
Product Dimensions	2"D x 5"W x 3"H (approximate, per speaker)
Item Weight	3.7 Pounds (per speaker)
Color	Black
Material	Aluminum
Indoor/Outdoor Usage	Indoor
Connectivity Technology	Wired
Recommended Uses	For Surround Sound Systems
UPC	050036905190

Warranty and Support

The JBL Professional Control 52 Surface-Mount Satellite Speaker comes with a Limited Warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the warranty card included in your product packaging or visit the official JBL website.

For technical support, service, or additional product information, please contact JBL customer service or visit the [JBL Store on Amazon](#).
