

## JBL JBL104-BT

# JBL 1 Series 104-BT Compact Desktop Reference Monitors User Manual

Model: JBL104-BT

## INTRODUCTION

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The JBL 1 Series 104-BT Compact Desktop Reference Monitors are designed to provide accurate and clear sound reproduction for various applications, including music production, podcasting, vlogging, and general audio listening. These monitors combine JBL Professional's audio engineering expertise with the convenience of Bluetooth streaming, offering a versatile and reliable audio solution for both wired and wireless setups.

## IMPORTANT SAFETY INFORMATION

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Before using your JBL 1 Series 104-BT monitors, please read and understand all safety instructions. Keep these instructions for future reference. Always follow warnings and instructions marked on the product.

- **Power Source:** Only connect the product to a power supply of the type described in the operating instructions or as marked on the product.
- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Water and Moisture:** Do not use this apparatus near water. Do not expose to dripping or splashing.
- **Cleaning:** Clean only with a dry cloth.
- **Servicing:** Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## PACKAGE CONTENTS

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Verify that all components listed below are included in your package:

- JBL 104-BT Reference Monitors (Pair)
- 1x Extension Monitor Speaker Wire (2-Conductor, 2 meters)
- 1x 3.5 mm to RCA Audio Cable
- 1x Power Cord
- 1x Quick Setup Guide

## PRODUCT OVERVIEW

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The JBL 1 Series 104-BT monitors feature a compact design with advanced acoustic engineering for optimal sound. The primary (master) monitor houses the controls and inputs, while the secondary (extension) monitor connects via speaker wire.

### Key Features:

- Optimized acoustic design with a 4.5-inch coaxial driver for accurate sound.
- Integrated 60-watt Class D power amplifier (30 watts per speaker).
- Multiple connectivity options: Bluetooth 5.0, 3.5mm Aux, RCA, and 1/4-inch TRS inputs.
- Front-panel volume control and headphone jack with speaker mute function.
- Sleek, compact design suitable for desktop environments.



Figure 1: Front view of the JBL 1 Series 104-BT master monitor, showing the speaker grille, volume knob, input select knob, headphone jack, and Aux In port.



Figure 2: Rear view of both the master and extension monitors. The master monitor shows power input, TRS inputs, RCA inputs, and speaker output to the extension monitor. The extension monitor shows only the speaker input.

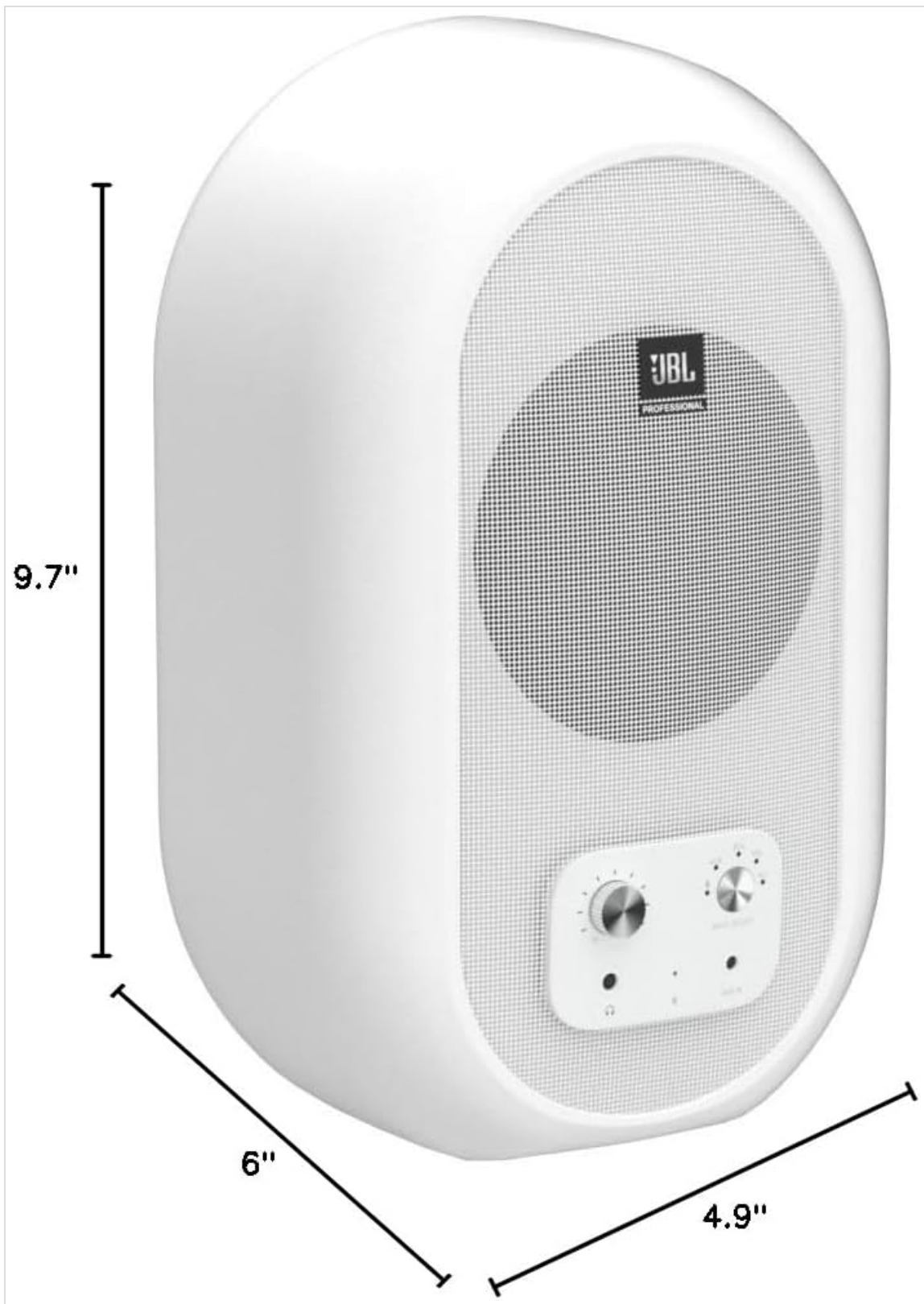


Figure 3: Dimensions of a single JBL 1 Series 104-BT monitor, showing height of 9.7 inches, width of 6 inches, and depth of 4.9 inches.

### Official Product Video: JBL 104-BT Bluetooth Reference Monitors

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This video provides an overview of the JBL 104-BT Bluetooth Reference Monitors, showcasing their features and design. Duration: 1 minute 13 seconds.

## SETUP

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### 1. Unpacking and Placement

1. Carefully remove the monitors and all accessories from the packaging.
2. Place the master monitor (with controls) and the extension monitor on a stable, flat surface, such as a desktop. For optimal stereo imaging, position them equidistant from your listening position, forming an equilateral triangle.
3. Ensure adequate ventilation around both monitors.

### 2. Connecting the Monitors

1. Connect the included speaker wire from the "TO EXTENSION MONITOR" output on the rear of the master monitor to the input terminals on the rear of the extension monitor. Ensure correct polarity (red to red, black to black).
2. Connect the power cord to the master monitor's power input and then to a suitable AC power outlet.

### 3. Audio Input Connections

The JBL 104-BT monitors offer several input options:

- **Bluetooth:** For wireless audio streaming from compatible devices.
- **Auxiliary (3.5mm):** Connect devices like smartphones or media players using a 3.5mm audio cable to the front-panel AUX IN jack.
- **RCA Inputs:** Use the included 3.5mm to RCA cable or other RCA cables to connect to audio interfaces, mixers, or consumer audio equipment.
- **TRS (1/4-inch) Inputs:** For professional audio equipment with balanced or unbalanced 1/4-inch outputs.

Connect your desired audio source to the appropriate input on the master monitor. You can connect multiple sources simultaneously and select between them using the front-panel INPUT SELECT knob, or combine all inputs.

## OPERATING INSTRUCTIONS

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### 1. Powering On/Off

Press the power button located on the front panel of the master monitor to turn the speakers on or off. A blue LED indicator will illuminate when the speakers are powered on.

### 2. Volume Control

Adjust the overall output volume using the large VOLUME knob on the front panel of the master monitor. Rotate clockwise to increase volume, counter-clockwise to decrease.

### 3. Input Selection

The INPUT SELECT knob allows you to choose your audio source:

- Rotate the knob to select between Bluetooth, Aux, RCA, or TRS inputs.
- An "ALL" setting is available to combine and play audio from all connected inputs simultaneously.

## 4. Bluetooth Pairing

1. Turn the INPUT SELECT knob to the Bluetooth position. The Bluetooth indicator LED will flash.
2. On your audio device (smartphone, tablet, computer), enable Bluetooth and search for "JBL 104-BT".
3. Select "JBL 104-BT" to pair. Once paired, the Bluetooth LED will glow solid blue.
4. If pairing fails, ensure no other device is connected and try again.

## 5. Headphone Output

Connect headphones to the 3.5mm headphone jack on the front panel. Plugging in headphones will automatically mute the main speakers, allowing for private listening.

## MAINTENANCE

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To ensure the longevity and optimal performance of your JBL 1 Series 104-BT monitors, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the exterior surfaces with a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents.
- **Dust:** Regularly dust the speaker grilles and ventilation openings to prevent accumulation.
- **Environment:** Avoid exposing the monitors to extreme temperatures, high humidity, or direct sunlight.
- **Cables:** Periodically check all cable connections for secure fit and signs of wear.

## TROUBLESHOOTING

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If you encounter issues with your JBL 1 Series 104-BT monitors, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speakers	Power not connected; Volume too low; Incorrect input selected; Audio source issue; Speaker wire disconnected.	Ensure power cord is securely connected and unit is powered on. Increase volume. Select correct input source. Check audio source output. Verify speaker wire connection between master and extension monitors.
Bluetooth not connecting or dropping out	Not in pairing mode; Device too far; Interference; Previously paired device connected.	Ensure INPUT SELECT is on Bluetooth and LED is flashing. Move device closer to speakers. Reduce interference from other wireless devices. Disconnect from other devices or forget "JBL 104-BT" on your device and re-pair.
Distorted or poor sound quality	Input level too high; Poor cable connection; Low quality audio source.	Reduce volume on audio source or speakers. Check all cable connections for secure fit. Try a different audio source or cable.

Problem	Possible Cause	Solution
Loud startup chime	Normal operation, no user control.	This is a built-in feature. Some users report the chime is less noticeable or absent when "ALL MODE" is selected for input.

## SPECIFICATIONS

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Detailed technical specifications for the JBL 1 Series 104-BT monitors:

- **Brand:** JBL
- **Model Number:** JBL1O4-BT-WH
- **Speaker Type:** Multimedia, Desktop Reference Monitor
- **Woofers Diameter:** 4.5 Inches (118 mm)
- **Tweeter Diameter:** 0.75 Inches (19 mm) soft-dome
- **Amplifier:** Integrated 60-watt Class D (30 watts per speaker)
- **Frequency Response:** 60 Hz - 20 kHz
- **Signal-to-Noise Ratio:** 75 dB
- **Connectivity Technology:** Auxiliary (3.5mm), Bluetooth 5.0, RCA, TRS (1/4-inch)
- **Bluetooth Range:** 10 Meters
- **Audio Output Mode:** Stereo
- **Enclosure Material:** Stainless Steel
- **Item Dimensions (H x W x D):** 9.7" x 6" x 4.9" (per speaker)
- **Item Weight:** 0.45 Kilograms (per speaker)
- **Power Source:** Corded Electric

## WARRANTY INFORMATION

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This product is sold by an AUTHORIZED JBL Professional NORTH AMERICAN DEALER and includes the official JBL Professional manufacturer's warranty. The warranty is valid only for products purchased from authorized sellers within the United States. Full details are available on the JBL Professional website.

For specific warranty terms and conditions, please visit the official JBL Professional website or contact your authorized dealer.

## SUPPORT

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For further assistance, technical support, or service inquiries regarding your JBL 1 Series 104-BT monitors, please contact JBL Professional customer support or visit their official website. You may also refer to the quick setup guide included in your package for additional information.

**JBL Professional Website:** [jblpro.com](http://jblpro.com)

