JBL C2PS

JBL Professional Control 2P Compact Powered Monitor User Manual

MODEL: C2PS

Brand: JBL

INTRODUCTION

Discover the exceptional audio quality of the JBL Professional Control 2P Studio Monitors, perfect for both near-field studio monitoring and high-output PC speakers. Designed with studio-quality transducers, this pair of speakers deliver unmatched accuracy and a rich bass response ranging from 80 Hz to 20 kHz. Featuring a 5.25-inch low-frequency woofer and a .75-inch polycarbonate dome tweeter, these studio monitors ensure every detail of your music production is captured with precision. With a powerful 35-watt per-channel amplifier and high-sensitivity drivers, the JBL Professional Studio Monitors produce exceptional output, making them ideal for any audio setup. They come equipped with balanced XLR, ¼", and unbalanced RCA inputs, allowing you to connect to a wide range of signal sources effortlessly. Plus, the stereo headphone jack lets you monitor your audio using headphones for a more personal listening experience. The ergonomic, side-mounted volume control simultaneously adjusts both left and right speakers, providing you with convenient and precise control over your audio levels. These studio monitors are magnetically shielded, making them safe to use near CRT monitors and other magnetically sensitive equipment. Additionally, the internal peak limiter and overload protection circuit ensure that your system is protected from potential damage caused by continuous over-driving. For added versatility, the JBL Professional Studio Monitors include snap-on pedestals to optimize the listening angle for desktop applications and are wall-mount capable with the optional MTC-2P mounting kit. Whether you're a professional music producer or a music lover looking for high-quality powered speakers, these studio monitors are the perfect addition to your setup.

PRODUCT OVERVIEW

The JBL Control 2P Compact Powered Monitor system offers a range of features designed for precise audio monitoring and versatile use:

- **Speaker Configuration:** One pair of speakers, each featuring a 5.25-inch low-frequency woofer and a .75-inch polycarbonate dome tweeter.
- **Powerful Amplification:** 35-watt per-channel power amplifier with high-sensitivity drivers for exceptional output (115 dB max SPL per pair).
- **Versatile Inputs:** Equipped with balanced XLR, ¼" TRS, and unbalanced RCA inputs for connecting to a wide range of signal

sources.

- **Headphone Monitoring:** Includes a stereo headphone jack for private audio monitoring, which mutes the speaker output.
- **System Protection:** Internal peak limiter and overload protection circuit safeguard the equipment from damage due to continuous over-driving.
- **Optimized Placement:** Supplied with snap-on pedestals to optimize the listening angle for desktop applications.
- **Ergonomic Control:** Features an ergonomic, side-mounted volume control for convenient and precise audio level adjustments.
- **Magnetic Shielding:** Transducers are magnetically shielded for safe use near CRT monitors and other sensitive electronic equipment.
- **Wall-Mount Capability:** Can be wall-mounted using the optional JBL MTC-2P mounting kit (sold separately).
- **Dimensions:** H 9.3" x W 6.3" x D 5.6" (per speaker).

SETUP

Follow these steps to set up your JBL Control 2P Compact Powered Monitors:

1. **Unpacking:** Carefully remove all components from the packaging. Ensure you have both the master speaker and the extension speaker, along with the power supply and any included cables.
2. **Placement:** Position the speakers on a stable, flat surface. For desktop use, attach the included snap-on pedestals to angle the speakers towards your listening position. Ensure adequate space around the speakers for optimal sound dispersion.
3. **Connecting Speakers:** Connect the master speaker to the extension speaker using the provided speaker wire. The master speaker (which contains the amplifier and controls) will have dedicated output terminals for the extension speaker.
4. **Power Connection:** Connect the power supply to the master speaker's power input, then plug the power supply into a suitable electrical outlet.
5. **Audio Input:** Connect your audio source (e.g., computer, mixer, audio interface) to the master speaker using one of the available input types:
   - Balanced XLR input for professional audio equipment.
   - Balanced ¼" TRS input for various audio devices.
   - Unbalanced RCA inputs for consumer audio devices.
6. **Initial Power On:** Ensure the volume control on the master speaker is set to a minimum level before powering on. Flip the power switch on the master speaker to the 'ON' position.

Figure 1: Rear panel of the JBL Control 2P Master Speaker, illustrating the balanced XLR, 1/4" TRS, and unbalanced RCA input options, along with the power connection and speaker output to the extension unit.

OPERATING INSTRUCTIONS

Once your JBL Control 2P monitors are set up, follow these guidelines for operation:

- **Volume Control:** Use the ergonomic, side-mounted volume control knob on the master speaker to adjust the overall audio output level. This control simultaneously affects both the master and extension speakers.

- **Headphone Use:** For private listening, plug your headphones into the stereo headphone jack located on the master speaker. Inserting headphones will automatically mute the speaker output. Remove headphones to resume audio playback through the speakers.

- **Input Selection:** The Control 2P monitors are designed to accept signals from multiple sources simultaneously. Ensure your active audio source is connected to the appropriate input on the master speaker.

- **Magnetic Shielding:** The speakers feature magnetic shielding, allowing them to be placed near CRT monitors or other magnetically sensitive equipment without causing interference.

- **Overload Protection:** An internal peak limiter and overload protection circuit are integrated to prevent damage to the speakers from continuous over-driving. While this protects the system, it is recommended to avoid operating at excessively high volumes for extended periods.

Figure 2: Side view of the JBL Control 2P Master Speaker, highlighting the accessible volume control and headphone jack for convenient operation.

MAINTENANCE

To ensure the longevity and optimal performance of your JBL Control 2P monitors, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the speaker cabinets with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **Dust Removal:** Use a soft brush or a vacuum cleaner with a brush attachment to gently remove dust from the speaker grilles and drivers. Be careful not to press on the speaker cones.

- **Environmental Conditions:** Operate and store the speakers in a dry environment, away from extreme temperatures, direct sunlight, and high humidity.

- **Cable Inspection:** Periodically check all cables (power, speaker, and audio input) for any signs of wear, fraying, or damage. Replace damaged cables immediately to prevent electrical hazards or signal loss.

TROUBLESHOOTING

If you encounter issues with your JBL Control 2P monitors, refer to the following common troubleshooting steps:

- **No Sound:**
  - Ensure the speakers are powered on and the power indicator light is illuminated.
  - Check that the volume control on the master speaker is turned up.
  - Verify that the audio source is playing and its volume is adequate.
  - Confirm all audio cables are securely connected to both the source and the master speaker.
  - If headphones are plugged in, remove them as they mute the speaker output.

- **Distorted Sound:**
  - Lower the volume on both the speakers and the audio source. Excessive volume can cause distortion.
  - Check audio cables for damage or loose connections.
  - Ensure the audio source output level is not too high, causing clipping.

- **Humming or Buzzing Noise:**
  - Ensure all audio cables are properly shielded and connected.
  - Try connecting the speakers to a different electrical outlet to rule out ground loop issues.
  - Move the speakers away from other electronic devices that might be causing interference.

- **One Speaker Not Working:**
  - Check the speaker wire connecting the master and extension speakers for secure connections and any damage.
  - If possible, swap the speaker wires to determine if the issue lies with the cable or the speaker unit.
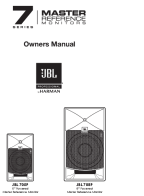
SPECIFICATIONS

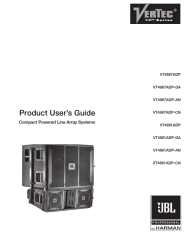| Feature	Detail
Model Name	C2PS
Speaker Type	Monitor
Speaker Amplification Type	Active
Woofer Diameter	5.25 Inches
Tweeter Diameter	0.75 Inches
Speaker Maximum Output Power	35 Watts per channel
Frequency Range	80 Hz - 20 kHz (from description)
Maximum SPL Per Pair	115 dB
Input Sensitivity	+4 dBu XLR 1/4"; 0 dBu RCA
Signal Input Connectors	Balanced Neutrik® Combo XLR 1/4" TRS; Unbalanced RCA

Headphone Jack	3.5 mm (1/8")
Product Dimensions (H x W x D)	9.3" x 6.3" x 5.6"
Item Weight	12.5 Pounds (for the pair)
Material Type	Polycarbonate
Color	Black
Special Feature	Magnetic Shielding, Desktop Pedestals, Wall-Mount Capable (with optional kit)

WARRANTY & SUPPORT

The JBL Professional Control 2P Compact Powered Monitors come with a Limited Warranty. For detailed warranty information, product support, or service inquiries, please refer to the official JBL Professional website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

Related Documents - C2PS

Connecting JBL Speakers Together: A Comprehensive Guide
Learn how to connect multiple JBL speakers wirelessly via Bluetooth for an enhanced audio experience. This guide covers connecting JBL speakers using the JBL Connect and Connect+ features, as well as troubleshooting common connection issues.

JBL 7 Series 705P and 708P Powered Master Reference Monitors Owner's Manual
Comprehensive owner's manual for JBL 7 Series 705P and 708P Powered Master Reference Monitors, covering safety, setup, connections, features, software controls, troubleshooting, specifications, dimensions, and warranty information.

JBL SRX800 Series User's Guide: High-Performance Professional Loudspeakers
Comprehensive user's guide for the JBL SRX800 Series of professional powered loudspeakers. This guide covers setup, specifications, features, and troubleshooting for models SRX812P, SRX815P, SRX835P, SRX818SP, and SRX828SP, designed for professional audio applications by JBL Professional.

JBL PRX600 Series Professional PA Loudspeaker User Guide
Comprehensive user guide for the JBL PRX600 Series professional powered PA loudspeakers, detailing safety, specifications, system setup, application examples, troubleshooting, and warranty information.

[JBL EON 600 Pairing Guide: Connect App Setup](#)

Comprehensive technical support guide for pairing JBL EON 600 series speakers, including the EON 612 model, with the JBL Connect App. Learn master reset procedures, Bluetooth connection steps for Android and iOS, and app control features.

[JBL VERTEC DP Series Compact Powered Line Array Systems User's Guide](#)

Comprehensive user's guide for JBL VERTEC DP Series compact powered line array loudspeaker systems, covering safety, setup, DrivePack technology, network configuration with HiQnet System Architect, and specifications for models like VT4881ADP and VT4887ADP.