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## JBL PRX ONE

# JBL Professional PRX ONE Powered Loudspeaker Line Array User Manual

Model: PRX ONE | Brand: JBL

## 1. INTRODUCTION

The JBL Professional PRX ONE is an all-in-one powered column PA system, meticulously engineered to deliver exceptional audio performance for a wide range of applications, including live music, DJ sets, corporate presentations, and events. This system integrates a powerful 12-inch subwoofer with a 12-tweeter column array, a 7-channel digital mixer, and advanced Digital Signal Processing (DSP) capabilities, all controllable via an intuitive LCD screen or the JBL Pro Connect universal app. Its robust design ensures reliability and portability, making it an ideal solution for professionals seeking high-quality sound and versatile control.





Figure 1: The JBL PRX ONE Powered Loudspeaker Line Array System, showcasing its complete assembled form.

## 2. SETUP AND ASSEMBLY

### 2.1 What's in the Box

- JBL PRX ONE Powered Loudspeaker (Subwoofer Base)
- Column Array (two sections)

- IEC Power Cable
- Quick Start Guide

## 2.2 Assembly Instructions

1. **Unpack Components:** Carefully remove all components from the packaging. Ensure all items listed in 'What's in the Box' are present.
2. **Connect Column Array:** Align the bottom section of the column array with the connector on the top of the subwoofer base. Gently push down until it clicks securely into place. Then, align the top section of the column array with the connector on the bottom section and push down until it locks.





Figure 2: Inserting the column array into the subwoofer base.



Figure 3: Close-up of the secure connection point for the column array.

- 3. Power Connection:** Connect the supplied IEC power cable to the power inlet on the rear of the subwoofer. Plug the other end into a suitable AC power outlet.
- 4. Initial Power On:** Press the power button on the control panel to turn on the PRX ONE. The LCD screen will illuminate, indicating the system is ready for operation.

### 3. OPERATION

### **3.1 7-Channel Digital Mixer**

The PRX ONE features an integrated 7-channel digital mixer, providing comprehensive control over your audio inputs. Each channel offers dedicated gain control, and the mixer includes professional Lexicon and dbx effects such as reverb, delay, compression, and dbx DriveRack technology with AFS Pro Automatic Feedback Suppression. The intuitive Soundcraft-designed dual-mode digital mixer allows for general mix functions or detailed channel-strip control.



Figure 4: The control panel with the 7-channel digital mixer.

## 3.2 Connectivity

- **Inputs:** Connect microphones, instruments, and line-level devices using the versatile inputs, which include dedicated phantom power for condenser microphones and Hi-Z inputs for instruments. Professional-grade Neutrik connectors ensure reliable connections.
- **Bluetooth 5.0:** Pair your mobile devices wirelessly via Bluetooth for audio streaming. The system supports Bluetooth 5.0 for stable and high-quality wireless audio.
- **USB Charging:** Two USB charging ports are available for conveniently powering your mobile devices during use.

## 3.3 JBL Pro Connect App Control

For enhanced control, download the JBL Pro Connect universal app. This app allows you to remotely manage all PRX ONE functions, including mixer settings, DSP effects, and user presets, directly from your smartphone or tablet. The built-in full-color LCD on the unit also provides direct access to these controls.

## 3.4 Key Features Overview

- **Acoustic Performance:** The 12 custom-engineered tweeters combined with JBL A.I.M. (Array Inumbration Mechanics) technology provide a wide 130° (H) x 30° (V) dispersion pattern for consistent coverage.
- **DSP and Effects:** Access a full suite of professional Lexicon and dbx effects. One-touch ducking by Soundcraft ensures speech clarity over background music.
- **User Presets:** Utilize 8 user presets to instantly recall your preferred sound configurations.

## 3.5 Official Product Videos

Video 1: JBL Professional PRX ONE Powered Loudspeaker Walkthrough. This video provides a comprehensive overview of the PRX ONE system, detailing its features and functionalities.

Video 2: JBL Professional PRX ONE Powered Loudspeaker Features. This video highlights the key features and benefits of the PRX ONE, demonstrating its capabilities in various scenarios.

# 4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your JBL PRX ONE system.

- **Cleaning:** Use a soft, dry cloth to clean the exterior surfaces. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Avoid using abrasive cleaners or solvents.
- **Storage:** When not in use, store the PRX ONE in a cool, dry place, away from direct sunlight and extreme temperatures. Utilize the included nylon carrying bag for the array components to protect them during transport and storage.
- **Cable Management:** Regularly check all cables for signs of wear or damage. Replace any damaged cables immediately to prevent electrical hazards or signal loss.



Figure 5: The included nylon carrying bag for the column array components, simplifying transport and storage.

## 5. TROUBLESHOOTING

If you encounter issues with your JBL PRX ONE, refer to the following common troubleshooting steps:

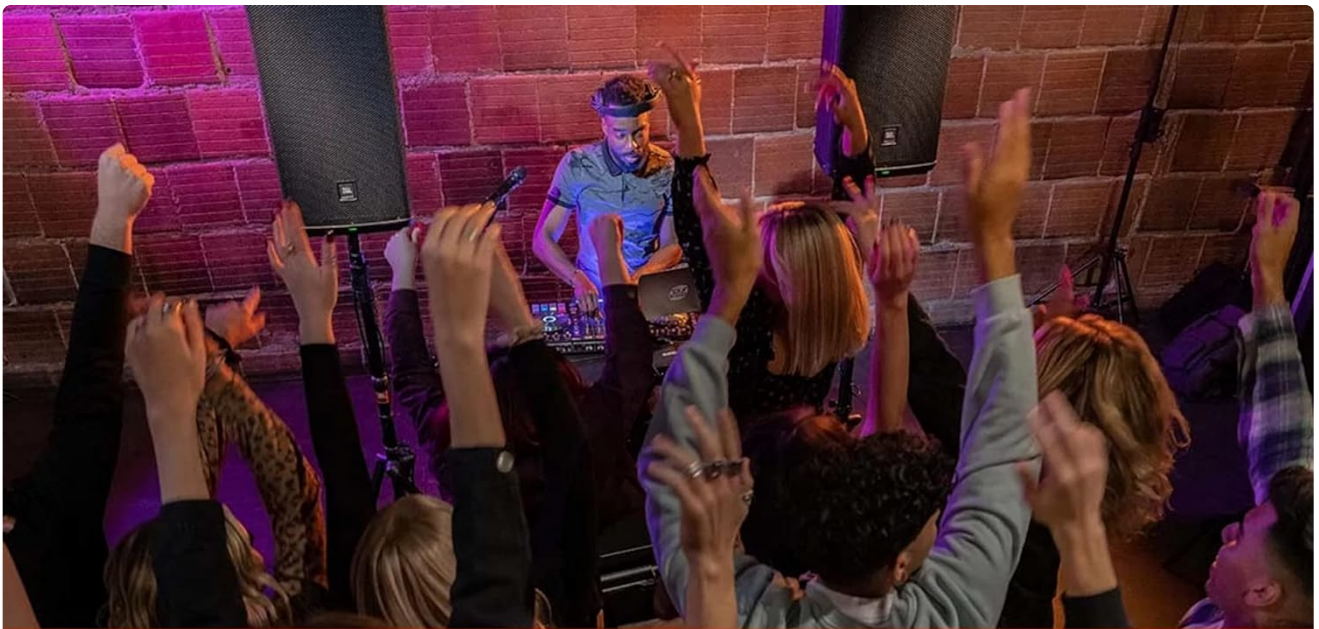
Problem	Possible Cause	Solution
No Sound Output	Power not connected; Input level too low; Muted channel; Incorrect input selection.	Ensure power cable is securely connected and unit is on. Increase input gain. Check if channels are muted. Verify correct input source is selected.
Bluetooth Disconnection	Device out of range; Interference; App sleep mode.	Move device closer to PRX ONE. Minimize other wireless devices. Reconnect via JBL Pro Connect app or device's Bluetooth settings.
Feedback (High-pitched squeal)	Microphone too close to speaker; Gain too high; Room acoustics.	Engage AFS Pro (Automatic Feedback Suppression) via the mixer or app. Reposition microphone. Reduce input gain. Adjust EQ settings.
Distorted Audio	Input signal too high (clipping); Damaged cable; Speaker overload.	Reduce input gain to prevent clipping (monitor input indicators). Check and replace faulty cables. Ensure system is not pushed beyond its limits.

If the issue persists after attempting these solutions, please refer to the full user guide or contact JBL Professional support.

## 6. SPECIFICATIONS

Detailed technical specifications for the JBL PRX ONE Powered Loudspeaker Line Array System:

Feature	Detail
Model Name	PRX ONE
Speaker Type	Column Array
Special Feature	Bluetooth
Recommended Uses For Product	Public Address, For Music Players
Compatible Devices	Microphone, Musical Instrument, Smartphone
Subwoofer Diameter	12 Inches
Unit Count	1.0 Count
Controller Type	App Control
Color	Black
Product Dimensions	18.9"D x 25.4"W x 33.4"H
Item Weight	75 Pounds
Is Waterproof	FALSE
Number of Items	1
Control Method	Touch
Wireless Communication Technology	Bluetooth
Speaker Size	33.4 Inches
Power Source	Corded Electric
Connectivity Protocol	Bluetooth
Number of USB 2 Ports	1
UPC	691991034800
Manufacturer	JBL Professional
Speaker Maximum Output Power	2000 Watts
Connectivity Technology	Bluetooth, Wired
Input Voltage	48 Volts
Mounting Type	Floor Standing



**Unrivaled  
Sound  
Meets  
Unmatched  
Warranty**



Figure 6: The 12-inch subwoofer of the JBL PRX ONE, providing powerful bass response.

## 7. WARRANTY INFORMATION

The JBL PRX ONE Powered Loudspeaker Line Array System comes with a **7-Year Limited Warranty**. This warranty covers defects in materials and workmanship under normal use. JBL Professional conducts rigorous testing, including 100 hours of stress testing, to ensure the highest quality and reliability of the PRX ONE in real-world conditions.

For detailed terms and conditions of the warranty, please refer to the official JBL Professional website or the full user guide.



Figure 7: JBL PRX ONE highlighting its 7-year limited warranty.

## 8. SUPPORT AND RESOURCES

For further assistance, detailed information, or to download the complete user manual, please use the following resources:

- **Official User Guide (PDF):** [Download User Guide](#)
- **JBL Professional Store:** [Visit JBL Store on Amazon](#)
- **Customer Support:** Refer to the contact information provided in your product packaging or on the official JBL Professional website for direct support.