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JBL IRX108BT

JBL Professional IRX108BT Powered PA Speaker User Manual

Model: IRX108BT

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your JBL Professional IRX108BT Powered PA Speaker. Designed for portability and powerful sound, the IRX108BT is suitable for various applications including live performances, presentations, and events. Please read this manual thoroughly before using your speaker to ensure optimal performance and longevity.

KEY FEATURES

- **Powered 2-way Design:** Features an 8-inch JBL woofer for clear audio.
- **dbx DriveRack Technology:** Includes automatic feedback suppression (AFS) to prevent unwanted noise at high volumes.
- **Bluetooth Audio Streaming:** Built-in Bluetooth 5.0 for wireless music playback and linking two speakers for stereo sound.
- **EQ Presets:** Four real-world EQ presets (Music, Vocal, Speech, Flat) for quick sound optimization.
- **One-Touch Ducking:** Automatically lowers music volume when speech input is detected, enhancing vocal clarity.
- **Connectivity:** Two XLR/TRS combo inputs and an XLR loop-out for connecting additional speakers.
- **Portability and Durability:** Ultra-lightweight, rugged polypropylene cabinet with ergonomic handles for easy transport.
- **High Power Output:** 1300 watts peak power.
- **Wide Frequency Response:** 54 Hz – 20 kHz.
- **Mounting Options:** 35 mm pole socket for versatile placement.

SETUP

1. **Unpacking:** Carefully remove the speaker from its packaging. Ensure all components, including the speaker system and user guide, are present.

2. **Placement:** Position the speaker on a stable surface, a floor stand, pole mount, or tripod mount using the 35 mm pole socket. Consider the acoustics of your environment for optimal sound projection.
3. **Power Connection:** Connect the power cable to the power input port located at the rear of the speaker. Plug the other end into a standard 120V AC power outlet.
4. **Initial Power On:** Press the power button on the rear panel to turn on the speaker. Allow a few seconds for the system to boot up.
5. **Input Connections:**
 - For microphones or line-level devices, use the XLR/TRS combo inputs (IN1, IN2). Adjust the corresponding CH1 Gain or CH2 Gain knobs.
 - To link additional speakers, use the XLR loop-out.



Figure 1: Rear panel of the JBL IRX108BT speaker, illustrating the input and control layout.



Video 1: An overview of the JBL IRX series product features, including connectivity and controls.

OPERATING INSTRUCTIONS

Bluetooth Pairing:

1. Ensure the speaker is powered on.
2. Press the Bluetooth button on the rear panel. The Bluetooth indicator light will flash, indicating it's in pairing mode.
3. On your device (smartphone, tablet, laptop), enable Bluetooth and search for available devices.
4. Select "JBL IRX108BT" from the list. The indicator light will turn solid blue once paired.
5. To link two IRX series speakers for stereo sound, pair the first speaker to your device, then press the Bluetooth button on the second speaker. The speakers will automatically link.

EQ Presets:

The IRX108BT features four EQ presets to optimize sound for different applications:

- **Music:** Enhanced for general music playback.
- **Vocal:** Optimized for spoken word and singing.
- **Speech:** Clearer reproduction of speech.
- **Flat:** A neutral frequency response for custom adjustments or monitoring.

Press the EQ PRESETS button repeatedly to cycle through the available options. The corresponding LED will illuminate.

Automatic Feedback Suppression (AFS):

The built-in dbx DriveRack AFS feature automatically detects and suppresses audio feedback. Press the AFS button to activate or deactivate this function. The LED will indicate its status.

Music Ducking:

Activate the Music Ducking feature by pressing its dedicated button. When enabled, background music volume will automatically lower when a microphone input is detected, ensuring vocals are prominent.



Video 2: A short preview demonstrating the Bluetooth 5.0, EQ presets, AFS, and Music Ducking features of the JBL IRX series.

MAINTENANCE

- **Cleaning:** Regularly wipe the exterior of the speaker with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the finish.
- **Port Care:** Keep input and output ports free from dust and debris. Use compressed air if necessary to clear any blockages.
- **Storage:** When not in use, store the speaker in a cool, dry place, ideally in its protective case, to prevent damage from dust, moisture, and physical impact.
- **Cable Management:** Ensure all cables are properly coiled and stored to prevent kinks or damage.

TROUBLESHOOTING

No Sound Output:

- Check if the speaker is powered on and the power LED is illuminated.
- Verify that the input source (microphone, line device, Bluetooth) is properly connected and active.
- Ensure the CH1 Gain, CH2 Gain, and Master Volume knobs are turned up.
- If using Bluetooth, confirm the device is successfully paired and playing audio.

Feedback Issues:

- Activate the Automatic Feedback Suppression (AFS) feature.
- Reposition microphones further away from the speaker or adjust their direction.
- Reduce the gain of the input channel or the master volume.

Bluetooth Pairing Problems:

- Ensure the speaker's Bluetooth is in pairing mode (flashing LED).
- Check that your device's Bluetooth is enabled and visible.
- Move your device closer to the speaker to ensure it's within range.
- Try unpairing and re-pairing the device.

SPECIFICATIONS

Feature	Detail
Brand	JBL
Model Number	IRX108BT
Speaker Type	Powered Portable Speaker
Woofer Diameter	8 Inches (20.32 Centimeters)
Speaker Maximum Output Power	1300 Watts Peak
Frequency Response	54 Hz – 20 kHz
MAX SPL	124 dB peak
Connectivity Technology	Wired, Wireless (Bluetooth)
Bluetooth Version	5.0
Audio Output Mode	Stereo (when linked)
Mounting Type	Floor Standing, Pole Mount, or Tripod Mount (35 mm pole socket)
Enclosure Material	Polypropylene
Additional Features	Bluetooth, Built-in Microphone (for ducking), Lightweight, dbx DriveRack AFS, EQ Presets, Music Ducking

Color	Black
Item Dimensions (D x W x H)	10.15 x 12.32 x 19.15 inches
Net Weight	17.4 lb
Power Source	Corded Electric (120 Volts)

The JBL Professional IRX108BT Powered PA Speaker comes with a limited warranty. For detailed information regarding warranty terms and conditions, please refer to the manufacturer's official website.

For technical support, troubleshooting assistance, or service inquiries, please visit the [JBL Professional Support Page](#) or contact their customer service directly.

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This manual is for informational purposes only. Specifications are subject to change without notice.