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> JBL Quantum 100 Wired Gaming Headphones User Manual

JBL JBLQUANTUM100BLK

JBL Quantum 100 Wired Gaming Headphones User Manual

Model: JBLQUANTUM100BLK

1. PRODUCT OVERVIEW

The JBL Quantum 100 is a wired over-ear gaming headset designed to provide an immersive audio experience across multiple platforms. It features 40mm dynamic drivers for clear sound, a detachable boom microphone for voice clarity, and a lightweight design for extended comfort during gaming sessions.



Figure 1.1: Front view of the JBL Quantum 100 headset with the detachable boom microphone attached.



Figure 1.2: Rear view of the JBL Quantum 100 headset, showcasing the headband and earcups.



Figure 1.3: View of the earcups with clear 'L' and 'R' indicators for proper wearing orientation.



Figure 1.4: The JBL Quantum 100 headset displayed within its retail packaging.



Figure 1.5: The headset positioned alongside a Nintendo Switch, demonstrating its multi-platform compatibility.



Figure 1.6: A detailed side profile of the JBL Quantum 100 headset, highlighting its design.

2. SETUP GUIDE

Follow these steps to set up your JBL Quantum 100 headset for optimal performance.

2.1 Connecting the Headset

1. Locate the 3.5mm audio jack on your gaming device (PC, Xbox, PlayStation, Nintendo Switch, Mobile, Mac, or VR headset).
2. Insert the 3.5mm connector from the JBL Quantum 100 headset firmly into the audio jack of your device.
3. **Note for PC Users:** Some PCs have separate audio input (microphone) and output (headphone) jacks. If your PC has two separate 3.5mm jacks, you may require a Y-splitter (not included) to use both the headphone audio and the microphone simultaneously. Ensure the splitter is correctly connected to the respective ports.

2.2 Attaching the Detachable Boom Microphone

1. Identify the microphone port on the left earcup of the headset.
2. Align the connector of the detachable boom microphone with the port and gently push it in until it clicks into place.
3. Adjust the flexible microphone arm to position the microphone near your mouth for clear voice capture.

3. OPERATING INSTRUCTIONS

Learn how to use the key features of your JBL Quantum 100 headset.

3.1 Volume Control

The headset features an integrated volume control dial located on the left earcup. Rotate the dial upwards to increase the volume and downwards to decrease it. You may also need to adjust the volume settings on your connected device.

3.2 Microphone Mute Function

A microphone mute button is located on the left earcup, adjacent to the volume dial. Press the button once to mute the microphone. Press it again to unmute. Ensure the microphone is unmuted for in-game communication or voice calls.

3.3 Wearing the Headset

Place the headset on your head with the 'L' earcup on your left ear and the 'R' earcup on your right ear. Adjust the headband to ensure a comfortable and secure fit. The memory foam cushioning is designed for long-lasting comfort.

4. MAINTENANCE AND CARE

Proper care will extend the lifespan of your JBL Quantum 100 headset.

4.1 Cleaning

- Use a soft, dry cloth to wipe down the earcups and headband.
- For stubborn dirt, slightly dampen the cloth with water. Avoid using harsh chemicals or abrasive cleaners.
- Do not immerse the headset in water or any other liquid.

4.2 Storage

- When not in use, store the headset in a clean, dry place away from extreme temperatures and direct sunlight.
- Avoid wrapping the cable tightly around the headset to prevent damage.

4.3 Cable Care

The headset features a durable braided cable. Avoid sharp bends, kinks, or excessive pulling on the cable to prevent internal wire damage.

5. TROUBLESHOOTING

If you encounter issues with your JBL Quantum 100 headset, refer to the following common problems and solutions.

5.1 No Sound or Low Volume

- **Check Connections:** Ensure the 3.5mm jack is fully inserted into your device's audio port.
- **Adjust Volume:** Verify that the volume dial on the headset is turned up and that your device's volume is not muted or

set too low.

- **Device Settings:** On your PC or console, check the audio output settings to ensure the JBL Quantum 100 is selected as the default audio device.
- **PC Specific:** If using a PC with separate audio jacks, ensure you are using a Y-splitter if necessary, and that it is correctly connected.

5.2 Microphone Not Working

- **Check Connection:** Ensure the detachable boom microphone is securely attached to the headset.
- **Unmute Microphone:** Press the mute button on the earcup to ensure the microphone is not muted.
- **Device Settings:** On your PC or console, check the audio input settings to ensure the JBL Quantum 100 microphone is selected as the default input device.
- **PC Specific:** If using a PC with separate audio jacks, confirm that the microphone input from the Y-splitter (if used) is correctly connected to the microphone jack on your PC.

5.3 Sound Quality Issues (e.g., Static, Distortion)

- **Check Connection:** Re-insert the 3.5mm jack to ensure a stable connection.
- **Test on Another Device:** Try the headset with a different device to determine if the issue is with the headset or the original device.
- **Reduce Volume:** If distortion occurs at high volumes, reduce the volume on both the headset and the connected device.

6. SPECIFICATIONS

Detailed technical specifications for the JBL Quantum 100 headset.

Feature	Specification
Model Name	QUANTUM
Connectivity Technology	Wired (3.5 mm Jack)
Driver Size	40mm Dynamic Drivers
Frequency Response	20Hz - 20kHz
Sensitivity	96 dB
Impedance	32 Ohm
Microphone	Detachable Boom Mic
Control Type	Volume Control, Mute Button
Cable Length	120 cm
Item Weight	220 Grams
Product Dimensions (LxWxH)	23 x 25 x 10 cm
Compatible Devices	PC, Xbox, PlayStation, Nintendo Switch, Mobile, Mac, VR

Feature	Specification
Material	Foam (ear cushioning)

7. WARRANTY AND SUPPORT

Information regarding the product warranty and how to obtain support.

7.1 Manufacturer's Warranty

The JBL Quantum 100 headset is backed by a **1-year manufacturer's warranty** from the date of purchase. This warranty covers manufacturing defects and ensures peace of mind. Please retain your proof of purchase for warranty claims.

7.2 Included Components

Your package includes the JBL Quantum 100 headset, a removable microphone, windshield foam for the microphone, a quick start guide, a warranty card, and a safety sheet. Please refer to the warranty card for specific terms and conditions.

7.3 Customer Support

For technical assistance, warranty claims, or further inquiries, please visit the official JBL support website or contact their customer service. Refer to the contact information provided on the warranty card or the quick start guide for the most up-to-date support channels.