

JBL JBLQUANTUM300BLKAM

# JBL Quantum 300 Wired Over-Ear Gaming Headphones User Manual

Model: JBLQUANTUM300BLKAM | Brand: JBL

## 1. INTRODUCTION

The JBL Quantum 300 is a wired over-ear gaming headset designed for immersive audio experiences across multiple platforms. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your headset to ensure optimal performance.

## 2. PACKAGE CONTENTS

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

- JBL Quantum 300 Wired Over-Ear Gaming Headphones
- Detachable Boom Microphone
- USB Audio Adapter
- 3.5mm Audio Cable
- Windscreen Foam for Microphone
- Quick Start Guide (this document)
- Warranty Card
- Safety Sheet



Image: The JBL Quantum 300 headset components, including the main headset, USB adapter, and microphone foam cover.

The package includes the JBL Quantum 300 headset, a USB audio adapter for enhanced PC connectivity, and a 3.5mm audio cable for broad compatibility. A foam windscreen for the microphone is also provided to reduce plosive sounds.

### 3. PRODUCT OVERVIEW

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The JBL Quantum 300 headset features a durable design with comfortable memory foam ear cushions, ensuring extended gaming sessions without discomfort. It integrates a flip-up boom microphone for clear communication.



Image: Front view of the JBL Quantum 300 headset, showcasing the over-ear design and attached boom microphone.



Image: Side view of the JBL Quantum 300 headset, highlighting the ear cup and headband design.



Image: View of the inside of the earcups, clearly marked with 'L' for left and 'R' for right to ensure correct wearing orientation.

## 4. SETUP

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### 4.1 Connecting to Devices

The JBL Quantum 300 offers versatile connectivity options:

- **Using the 3.5mm Audio Cable:** Connect the 3.5mm jack directly to your gaming console controller (e.g., Xbox, PS4, Nintendo Switch), mobile device, or PC with a combined audio jack.
- **Using the USB Audio Adapter (PC/Mac Recommended):** For enhanced audio features like JBL Quantum Surround Sound and JBL Quantum Engine software customization, connect the 3.5mm cable from the headset into the USB audio adapter, then plug the USB adapter into a USB port on your PC or Mac.

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Video: An overview of the JBL Quantum 300 headset, demonstrating its features and connectivity options. This video highlights the design and the various ways to connect the headset to different gaming platforms.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Volume Control

Adjust the audio volume using the volume wheel located on the left earcup of the headset. Rotate the wheel up to increase volume and down to decrease it.

### 5.2 Microphone Usage

The JBL Quantum 300 features a flip-up boom microphone. To activate the microphone, lower it into position. To mute the microphone, flip it up until you hear a click. This action physically mutes the microphone, indicated by the upward position.

### 5.3 JBL Quantum Engine Software (PC Only)

For PC users, the JBL Quantum Engine software provides advanced customization options. This software allows you to:

- Adjust equalizer (EQ) settings.
- Configure sound effects.
- Select microphone modes.
- Enable JBL Quantum Surround Sound for immersive audio.

Download the JBL Quantum Engine software from the official JBL website.

## 6. COMPATIBILITY

The JBL Quantum 300 headset is compatible with a wide range of gaming platforms:

- PC (via 3.5mm or USB adapter)
- Mac (via 3.5mm or USB adapter)
- Xbox (via 3.5mm to controller)
- PlayStation (via 3.5mm to controller)
- Nintendo Switch (via 3.5mm)
- Mobile Devices (via 3.5mm)
- VR (via 3.5mm)

## 7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	JBL Quantum 300 - Black
Connectivity Technology	Wired (3.5 mm Jack, USB)
Ear Placement	Over Ear
Audio Driver Type	Dynamic Driver
Frequency Response	20 Hz - 20 kHz
Impedance	32 Ohm
Noise Control	Sound Isolation, Echo Cancellation (Microphone)
Special Feature	Lightweight, Microphone Included
Item Weight	245 Grams (8.6 ounces)
Product Dimensions	9.65 x 3.94 x 9.06 inches

## 8. MAINTENANCE

To ensure the longevity and optimal performance of your JBL Quantum 300 headset, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the earcups and headband. For stubborn dirt, a slightly damp cloth can be used, but avoid excessive moisture. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the headset in a cool, dry place away from direct sunlight and extreme temperatures. Avoid

placing heavy objects on the headset.

- **Cable Care:** Handle the audio cables and USB adapter gently. Avoid sharp bends or excessive pulling to prevent damage.

## 9. TROUBLESHOOTING

If you encounter issues with your JBL Quantum 300 headset, refer to the following common problems and solutions:



- **No Sound:**
  - Ensure the volume wheel on the headset is turned up.
  - Check that the 3.5mm audio cable or USB adapter is securely connected to both the headset and the device.
  - Verify audio output settings on your device (PC, console, mobile) are configured to use the JBL Quantum 300.
- **Microphone Not Working:**
  - Ensure the boom microphone is flipped down into the active position (not muted).
  - Check microphone input settings on your device.
  - If using the USB adapter, ensure it is properly connected and recognized by your PC/Mac.
- **Distorted Audio:**
  - Reduce the volume on both the headset and the connected device.
  - Test the headset with a different device or audio source to isolate the problem.
  - If using JBL Quantum Engine software, reset EQ settings to default.





## 10. WARRANTY AND SUPPORT

Your JBL Quantum 300 headset is covered by a limited warranty. Please refer to the included warranty card for detailed terms and conditions, including coverage period and how to make a claim.

For further assistance, technical support, or to download the latest JBL Quantum Engine software, please visit the official JBL website or contact JBL customer service. You can also visit the [JBL Store on Amazon](#) for product information and accessories.

### Related Documents - JBLQUANTUM300BLKAM

	<a href="#">JBL Quantum 100M2 Quick Start Guide</a> This guide provides a quick start for setting up and using the JBL Quantum 100M2 gaming headset, including what's in the box, overview of features, setup instructions, microphone details, and technical specifications.
	<a href="#">JBL Quantum 200 Wired Gaming Headset - Quick Start Guide &amp; Specifications</a> Comprehensive guide for the JBL Quantum 200 wired over-ear gaming headset, covering setup, features, technical specifications, warranty information, and safety guidelines.

	<p><a href="#">JBL Quantum 100N Quick Start Guide</a></p> <p>This guide provides instructions for setting up and using the JBL Quantum 100N headset, including what's in the box, overview of features, setup instructions, microphone details, and technical specifications.</p>
	<p><a href="#">JBL Quantum 360X Wireless Gaming Headset Quick Start Guide</a></p> <p>Get started quickly with the JBL Quantum 360X Wireless gaming headset. This guide covers setup, features, connectivity options for Xbox, PC, PlayStation, and Nintendo Switch, troubleshooting, and technical specifications.</p>
	<p><a href="#">JBL Quantum 800 Headphones Quick Start Guide</a></p> <p>A comprehensive quick start guide for the JBL Quantum 800 gaming headset, covering setup, features, connectivity, and technical specifications.</p>
	<p><a href="#">JBL Quantum 910P Console Wireless Gaming Headset Owner's Manual</a></p> <p>This owner's manual provides comprehensive setup, usage, and troubleshooting information for the JBL Quantum 910P Console Wireless gaming headset, ensuring an optimal gaming experience.</p>