



# QUANTUM ONE

USB wired PC over-ear professional gaming headset with head-tracking enhanced JBL QuantumSPHERE 360



## Sound is Survival.

Make your game epic. The JBL Quantum ONE wired headset gives you pro-level audio with head-tracking enhanced JBL QuantumSPHERE 360™ spatial surround sound and Active Noise Cancelling tuned for gaming. Designed for precise audio positioning, JBL QuantumSOUND Signature delivers an immersive sound curve through Hi-Res certified 50mm drivers. The voice focus detachable microphone delivers clear multiplayer interactions with noise suppression, mute features and a DISCORD-certified Game-Chat Balance Dial. A lightweight, ergonomic design keeps you comfortable while the PC software, JBL QuantumENGINE allows for powerful customization options and user profiles. The JBL Quantum ONE headset represents the absolute cutting edge in audio for the deepest level of virtual realism on your PC.

## Features

- ▶ Get the professional edge with head-tracking enhanced JBL QuantumSPHERE 360™
- ▶ Be at the center of the game with Hi-Res certified JBL QuantumSOUND Signature
- ▶ Next-gen ergonomic design
- ▶ Active Noise Cancelling tuned for gaming
- ▶ Seamless compatibility with all gaming platforms
- ▶ Be heard with the voice focus detachable boom mic
- ▶ DISCORD Certified game audio-chat balance dial
- ▶ Powerful JBL QuantumENGINE PC software suite customization
  - Spatial sound
  - Audio equalizer for custom sound
  - RGB effects tuner
  - Microphone setting
  - Manage user profiles & settings



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## Features and Benefits

### Get the professional edge with head-tracking enhanced JBL QuantumSPHERE 360™

JBL QuantumSPHERE 360™ gives you professional-level 3D-audio positioning on your PC. Custom calibration of JBL's algorithm with the integrated head-tracking sensor and by-pack mic is built exclusively for the JBL Quantum ONE giving PC gamers next-gen accuracy audio positioning and a fixed, independent soundscape, improving your natural instincts. JBL Quantum ONE is also equipped with DTS Headphone X: v2.0.

### Be at the center of the game with Hi-Res certified JBL QuantumSOUND Signature

From the tiniest footsteps to the loudest explosion, JBL QuantumSOUND Signature makes every scene epic and every gamer more competitive. The Hi-Res certified 50mm neodymium drivers deliver an immersive sound curve tuned by JBL audiologists and specifically designed for gaming. Our signature audio creates the most realistic soundscape for a competitive advantage in any battle.

### Next-gen ergonomic design

The lightweight headband and ventilating, premium leather-wrapped, memory foam ear cushions are designed for even the longest gaming sessions.

### Active Noise Cancelling tuned for gaming

Designed for gaming environments, the Active Noise Cancelling system eliminates unwanted background sounds so you can stay fully engaged in combat without distractions.

### Seamless compatibility with all gaming platforms

The JBL Quantum ONE headset is designed for PC use via USB but is also compatible via 3.5mm audio jack with PC, PlayStation™, Xbox™, Nintendo Switch™, Mobile, Mac and VR. The JBL QuantumSPHERE 360 is only available on PC. Check the connectivity guide for compatibility.

### Be heard with the voice focus detachable boom mic

Echo-cancelling technology makes sure you're heard loud and clear when rallying the troops or opponents. The voice focus boom mic is adjustable and detachable for gaming on the go or when using a peripheral microphone. Press the mute button built into the ear cup to automatically go dark.

### DISCORD Certified game audio-chat balance dial

DISCORD-certified Game-Chat balance dial lets you adjust audio levels on the fly. Separate sound cards handle game and chat audio, allowing you to set the proper balance on the headset without having to leave the game. Also compatible with TeamSpeak, Skype, and other services.

### Powerful JBL QuantumENGINE PC software suite customization

The powerful PC software, the JBL QuantumENGINE, allows you to manage and personalize your JBL Quantum ONE gaming headset from a user-friendly dashboard and included calibration mic. Create separate user profiles, modify microphone settings, and activate RGB effects or create your own. You can also adjust the equalizer or choose from 6 presets. The JBL QuantumENGINE powers the JBL QuantumSPHERE 360 immersive surround only on your PC.

#### – Spatial sound

Choose your sound setting and provide your head diameter and height to adjust the surround sound profile to fit for your ears. Using the calibration mic, the JBL QuantumSPHERE 360™ allows for the most accurate and immersive spatial sound experience.

#### – Audio equalizer for custom sound

Create profiles that enhance the soundscape of specific games or choose from a variety of expertly crafted presets.

#### – RGB effects tuner

Create your own lighting effects with the built-in RGB effects tuner or choose from several preset modes that highlight the headset's capabilities.

#### – Microphone setting

Not too loud, not too quiet. Adjust the microphone volume level and sensitivity. And the sidetone allows you to control how much of your own voice you can hear when talking.

#### – Manage user profiles & settings

Create and manage different user profiles each with their own unique settings



## What's in the box:

JBL Quantum ONE headset  
3.5mm audio cable  
Calibration microphone  
Detachable boom microphone  
Windshield foam for microphone  
Type-C to A cable with Game / Chat Balance Dial  
QSG / Warranty card / Safety sheet

## Technical specifications:

- ▶ Driver size: 50mm Dynamic drivers
- ▶ Frequency response: 20Hz – 40kHz
- ▶ Microphone frequency response: 100Hz – 10kHz
- ▶ Max input power: 20mW
- ▶ Sensitivity: 95dB @ 1kHz, 1mW
- ▶ Maximum SPL: 97dB
- ▶ Microphone sensitivity: -41dBV @1kHz/Pa
- ▶ Impedance: 32 ohm
- ▶ Microphone pickup pattern: Unidirectional
- ▶ Microphone size: 6mm x 2.7mm
- ▶ Weight: 369g



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