



QUANTUM 950X

Wireless gaming headset with adaptive Noise Cancelling



Sound is survival.

Hardcore gaming requires quick reflexes, total concentration—and best-in-class gear for the ultimate sound experience during even the longest gaming sessions. The JBL Quantum 950X wireless headset features carbon dynamic 50mm drivers that deliver immersive and realistic JBL Quantum Spatial Sound, Hi-Res Certified Audio, and full spatial awareness with head tracking and noise cancellation. You'll hear every sound your opponents make and know immediately where they are in your immersive 3D sound sphere. With the 6mm Cardioid boom mic, your squad will always hear your instructions loud and clear. Connect seamlessly to any gaming platform via the low-latency 2.4 GHz dongle in the wireless base station, via Bluetooth® 5.3, or wired via the cables provided. The JBL Quantum 950X is compatible with all platforms, PC, Xbox, PlayStation, Nintendo Switch and mobile. The JBL QuantumENGINE delivers gamer-centered audio that you can customize to your own gaming style. Plus, the cables, microphone, ultra-light mesh hammock, and the breathable memory ear cushions are all easily replaceable—by you. Thanks to its replaceable batteries, with up to 25 hours playtime each, you can really play until you drop. Best of all, it's our most comfortable, ergonomic headset yet.

Features

- ▶ 50mm carbon dynamic drivers for the ultimate JBL Quantum Sound
- ▶ JBL QuantumENGINE
- ▶ Adaptive Noise Cancelling
- ▶ JBL Quantum Spatial Sound with head tracking
- ▶ Cardioid Noise Cancelling boom mic
- ▶ Multi-purpose base station
- ▶ Dual Wireless Connection
- ▶ Low-latency wired USB audio
- ▶ Premium comfort design
- ▶ Replaceable components
- ▶ 50 hours of playtime
- ▶ Compatible with all platforms
- ▶ Zoom certification
- ▶ Sustainability





QUANTUM 950X

Wireless gaming headset with adaptive Noise Cancelling

Features and Benefits

50mm carbon dynamic drivers for the ultimate JBL Quantum Sound

Our 50mm dynamic drivers are engineered with a unique carbon damping material for superior performance and low distortion. That means you get the immersive, realistic audio experience you need for your most intense gaming sessions.

JBL QuantumENGINE

Use your device-specific JBL QuantumENGINE dashboard to customize your preferred sound profile, spot where in-game sounds are coming from with a real-time sound visualizer, activate head tracking, reduce keyboard noise, add voice effects and dynamic lighting animations, optimize the mic's performance and noise reduction and even update your headset's firmware. It works on all platforms and connects all your JBL Quantum products simultaneously.

Adaptive Noise Cancelling

Stay focused and keep your competitive edge. Adaptive Noise Cancelling tunes out distractions, keeping you immersed in your game's unique soundworld.

JBL Quantum Spatial Sound with head tracking

Next-generation JBL Quantum Spatial Sound is a more natural, accurate, and immersive audio experience than ever before. It processes more sound details from your gaming content to generate reflections and reverberation signals. By applying diverse parameters at different frequency ranges, it creates an altogether more realistic gaming experience. And integrated head tracking means that sounds stay fixed in space, even when you turn your head, adding a new layer of realism to your immersive listening.

Cardioid Noise Cancelling boom mic

The new 6mm unidirectional mic with Cardioid pattern makes sure your team can always hear you loud and clear but doesn't hear your keyboard thanks to the noise reduction technology through QuantumENGINE. And the mic is also detachable for extra convenience.

Multi-purpose base station

It's a low-latency 2.4 GHz wireless dongle, a charging station for the extra battery and allows you to switch on and off Spatial Sound and Head tracking or activate ANC and TalkThrough. Also, you can control the RGB ambient lighting of the multi-purpose base station, EQ presets, the volume, the Game-chat balance and mute easily when needed. Plus it looks cool.

Dual Wireless Connection

Connect seamlessly and simultaneously with the low-latency 2.4 GHz dongle and via Bluetooth® 5.3 : while the dongle keeps you connected to the game, the Bluetooth® allows you to talk to your friends or listen to music.

Low-latency wired USB audio

Or use the included USB-C to 3.5mm and USB-C to C cables to get Hi-Res certified audio and the most stable and reliable connection with latency under 30ms.

Premium comfort design

The high-quality ultra-light mesh hammock under the soft silicone headband smartly distributes the headset's weight, so it'll stay comfortable all night long. The durable metal sliding arm means you'll be able to find and keep your perfect ergonomic fit. Our memory foam ear cushions are designed for maximum comfort for long sessions.

Replaceable components

Quickly and easily replace not just the microphone and the cable, but the leatherette ear cushions and mesh hammock too so that your headset will always look as good as new. Not only do replaceable parts* keep your JBL Quantum 950X headset working, they also make your headset more sustainable.

(*spare parts sold separately)

50 hours of playtime

Two rechargeable batteries delivers 50 hours of playtime. You can do a quick hot swap using the included spare battery and keep playing without missing a beat.

*25 hours of playtime per each rechargeable battery

Compatible with all platforms

Windows, Mac, iPhone, iPad, Android, Xbox, PlayStation, Nintendo Switch—no problem. The JBL Quantum 950 headset works with them all.

Zoom certification

Your JBL Quantum 950X headset meets all the technical and sound qualifications for Zoom certification. So you can even use it for work calls.

Sustainability

JBL is committed to making more sustainable products. So the JBL Quantum 950X headset is packaged in FSC-certified paper packaging printed with soy ink. The plastic we use is partly recycled, and the headset's ear cushions, microphone, hammock, and cable can be replaced by the user, which reduces waste.

Technical Specifications

General Specifications

- ▶ Maximum operation temperature: 45°C

Audio Specifications

- ▶ Frequency response (Passive): 20 Hz - 40 kHz
- ▶ Microphone frequency response: 100 Hz - 8 kHz
- ▶ Max input power: 30 mW
- ▶ Sensitivity: 101 dB SPL @1 kHz / 1 mW
- ▶ Maximum SPL: 96 dB
- ▶ Microphone sensitivity: -44 dBV/Pa@1 kHz
- ▶ Impedance: 32 ohm
- ▶ Microphone pickup pattern: Cardioid

Control and Connection Specifications

- ▶ 2.4GHz wireless transmitter power (Headset): < 13 dBm (EIRP)
- ▶ 2.4GHz wireless transmitter power (Dongle): < 13 dBm (EIRP)
- ▶ 2.4GHz wireless modulation: GFSK
- ▶ 2.4GHz wireless carrier frequency: 2.4 GHz - 2.4835 GHz
- ▶ Bluetooth transmitted power: < 13 dBm (EIRP)
- ▶ Bluetooth transmitted modulation: GFSK, $\pi/4$, 8 DQPSK
- ▶ Bluetooth frequency: 2.4 GHz - 2.4835 GHz
- ▶ Bluetooth profile version: A2DP V1.4, HFP V1.8, AVRCP V1.6.2
- ▶ Bluetooth version: V5.3

Dimension Specifications

- ▶ Driver size: 50 mm Dynamic Driver
- ▶ Weight: 398 g
- ▶ Weight (Base Station): 173 g

Battery Specifications

- ▶ Battery type: Lithium-ion battery (3.7 V / 700 mAh)
- ▶ Power supply: 5V = 1A
- ▶ Charging time: < 3 hrs from empty
- ▶ Music play time with only 2.4GHz on: Up to 25 hrs
- ▶ Talk time with only 2.4GHz on and ANC: Up to 18 hrs
- ▶ Music play time with only BT on: Up to 30 hrs
- ▶ Talk time with only BT on and ANC: Up to 20 hrs
- ▶ Music play time with BT+2.4GHz on: Up to 22 hrs
- ▶ Talk time with BT+2.4GHz on and ANC: Up to 17 hrs

What's in the Box

- 1 x Quantum 950X
- 1 x Detachable microphone
- 1 x Calibration microphone
- 1 x Windshield foam for boom microphone
- 1 x Base station
- 2 x Replaceable batteries
- 1 x USB-C cable
- 1 x USB-C to AUX cable
- 1 x USB-C To USB-A converter
- 1 x Carrying pouch
- 1 x QSG | Warranty card | Warning card



HARMAN International Industries, Incorporated
8500 Balboa Boulevard, Northridge, CA 91329 USA
www.jbl.com

© 2026 HARMAN International Industries, Incorporated. All rights reserved. JBL is a trademark of HARMAN International Industries, Incorporated, registered in the United States and/or other countries. Features, specifications and appearance are subject to change without notice.