



# QUANTUM TWS

True wireless Noise Cancelling gaming earbuds



## Sound is Survival.

Play anywhere and hear everything with JBL Quantum TWS. True Adaptive Noise Cancelling limits distractions as you immerse yourself in accurate surround sound. Or, if you need to jump back into the real world, JBL Dual Source lets you switch from game audio to incoming calls quickly and easily, while Ambient Aware keeps you alert to your surroundings. Compatible with all Bluetooth sources, transitioning between devices is seamless wherever your adventures lead. Easily Fast Pair with Bluetooth smartphones and establish low latency 2.4GHz connections to compatible devices with the included USB-C dongle in a charging case that adds 16 hours of power to the 8 in your earbuds.

## Features

- ▶ JBL QuantumSURROUND
- ▶ Low latency wireless connection
- ▶ Fast Pair and JBL Dual Source
- ▶ True Adaptive Noise Cancelling & Ambient Aware
- ▶ Be heard with beamforming microphones
- ▶ Designed for effortless gaming on the go
- ▶ Multi AI Support
- ▶ JBL QuantumENGINE & JBL Headphones Compatible





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## Features and Benefits

### JBL QuantumSURROUND

Feel like you're stepping inside the game with JBL QuantumSURROUND\* for immersive and accurate sound all around you.

\*JBL QuantumSURROUND is only available on PC in combination with JBL QuantumENGINE software. Check the connectivity guide for compatibility.

### Low latency wireless connection

Establish low latency 2.4GHz connection to compatible devices with the included USB-C dongle that fits snugly in the charging case. The JBL Quantum TWS earbuds are compatible with all Bluetooth enabled devices, such as smartphones and tablets.

### Fast Pair and JBL Dual Source

Never miss a call while defending the galaxy. After connecting via 2.4GHz lossless wireless to a compatible device, you can easily pick up an incoming call via Bluetooth and afterwards go back to your 2.4GHz lossless wireless connection with JBL Dual Source.

### True Adaptive Noise Cancelling & Ambient Aware

Keep your head in the game with auto-calibration of JBL's True Adaptive Noise Cancelling. Or keep an ear on your real-world surroundings with Ambient Aware.

### Be heard with beamforming microphones

Whether you're calling out commands or calling friends for a game, your voice will always come through loud and clear with 6 beamforming mics.

### Designed for effortless gaming on the go

Get your game on whenever you get the chance, day or night, rain or shine, with 8 hours of battery life and 16 in the case, plus a durable, lightweight, IPX4 water resistant design for comfort and safety on the go.

### Multi AI Support

Need a real-world assist? Tap to talk when you're connected to your mobile device and get help from Hey Google and Alexa with Multi AI support.

### JBL QuantumENGINE & JBL Headphones Compatible

Enjoy full control of your True Wireless Stereo sound anywhere. The JBL Quantum TWS is compatible with proprietary JBL Quantum PC software and JBL Headphones App, allowing you to adjust your EQ, microphone, and surround sound settings for a perfect gaming environment.

## What's in the box:

- 1 x JBL Quantum TWS earbuds
- 1 x Type-C Wireless dongle
- 1 x Charging case
- 1 x 3 sizes of ear tips
- 1 x Type-C USB charging cable
- 1 x Warranty/Warning (W/!)
- 1 x product QSG/ Safety Sheet (S/i)

## Technical specifications:

- ▶ Driver size: 10mm/0.39" Dynamic Driver
- ▶ Power supply: 5V 1A
- ▶ Earbud: 5.5g per pc (11g combined)/ 0.012 lbs per pc (0.024 lbs combined)
- ▶ Dongle: 2.5g/0.006 lbs
- ▶ Charging case: 42.4g/0.093 lbs
- ▶ Earbud battery type: Lithium-ion polymer (51mAh/3.85V)
- ▶ Charging case battery type: Lithium-ion polymer (340mAh/3.7 V)
- ▶ Charging time: 2 hrs from empty
- ▶ Music playtime with BT on and ANC (Hybrid) on: Up to 6 hrs
- ▶ Music playtime with BT on and ANC (Adaptive) on: 5 hrs
- ▶ Music playtime with BT on and ANC off: ≥8 hrs
- ▶ Talktime with BT on: 4 hrs
- ▶ Music playtime with 2.4GHz dongle on and ANC on: ≥5 hrs
- ▶ Music playtime with 2.4GHz dongle on and ANC off: Up to 6 hrs
- ▶ Talktime with 2.4GHz dongle on: ≥4 hrs
- ▶ Frequency response: 20Hz – 20kHz
- ▶ Impedance: 16 ohms
- ▶ Sensitivity: 106dB SPL@1kHz
- ▶ Maximum SPL: 93dB
- ▶ Microphone sensitivity: -38dBV/Pa@1kHz
- ▶ Bluetooth version: 5.2
- ▶ Bluetooth profile version: A2DP V1.3, AVRCP V1.6, HFP V1.8
- ▶ Bluetooth transmitter frequency range: 2.4GHz – 2.4835GHz
- ▶ Bluetooth transmitter modulation: GFSK, π/4 QPSK, 8DPSK
- ▶ Maximum operation temperature: 45°C



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