

Q16Pro

Q16Pro True Wireless Open Ear Earbuds User Manual

Model: Q16Pro | Brand: Generic

1. INTRODUCTION

Thank you for choosing the Q16Pro Over The Ear Earbuds. These true wireless open-ear earbuds feature advanced Bluetooth 5.4 connectivity, an intelligent full-color LCD touch screen, and multiple sound effects for a personalized audio experience. Designed for comfort and environmental awareness, the Q16Pro is also IPX7 waterproof and includes noise reduction technology, making it ideal for various activities, including running.



Figure 1: Q16Pro Earbuds and Charging Case with LED Display.

2. KEY FEATURES

- **Intelligent Touch Screen Control:** Full-color LCD touch screen for easy control over music playback, noise reduction, and EQ settings.
- **Active Noise Cancellation (ANC) & ENC Call Noise Reduction:** Blocks up to 99.44% of external noise for clear audio and conversations.
- **Customizable Sound Modes:** Four sound modes including balanced, bass, jazz, and vocals.
- **Three Spatial Modes:** Dedicated modes for music, gaming, and movies to enhance your listening experience.
- **Lightweight & Comfortable Open-Ear Design:** Weighing only 8g per earbud, designed for comfort and maintaining environmental awareness.
- **Enhanced Bluetooth 5.4 Connectivity:** Faster transmission and stable signal for lossless audio data transmission.
- **High-Precision Laminated Speakers:** Innovative high-elastic magnetic bass dynamic coil and polymer ceramic tweeter unit combination for HIFI-level sound quality.
- **Long Battery Life:** Up to 40 hours of music enjoyment.
- **IPX7 Waterproof:** Provides protection against water immersion.

3. SETUP GUIDE

3.1 Charging the Earbuds and Case

Before first use, fully charge the Q16Pro earbuds and charging case. The full-color LCD touch screen on the case will display the battery percentage. Connect the charging case to a power source using a compatible USB cable (not specified if included, assume standard USB-C). The LED display will indicate charging status.

3.2 Pairing with Your Device

1. Ensure the earbuds are in the charging case and the case has sufficient battery.
2. Open the charging case. The earbuds will automatically enter pairing mode.
3. On your smartphone, tablet, or other Bluetooth-enabled device, go to the Bluetooth settings.
4. Search for "Q16Pro" in the list of available devices.
5. Select "Q16Pro" to connect. Once connected, the earbuds will indicate successful pairing (e.g., a voice prompt or LED indicator change).
6. For subsequent uses, the earbuds will automatically connect to the last paired device when removed from the case.



Figure 2: Illustration of the advanced Bluetooth 5.4 chip for stable connectivity.

4. OPERATING INSTRUCTIONS

4.1 Touch Screen Controls

The Q16Pro charging case features a full-color LCD touch screen for intuitive control. Navigate through menus and settings directly on the screen.

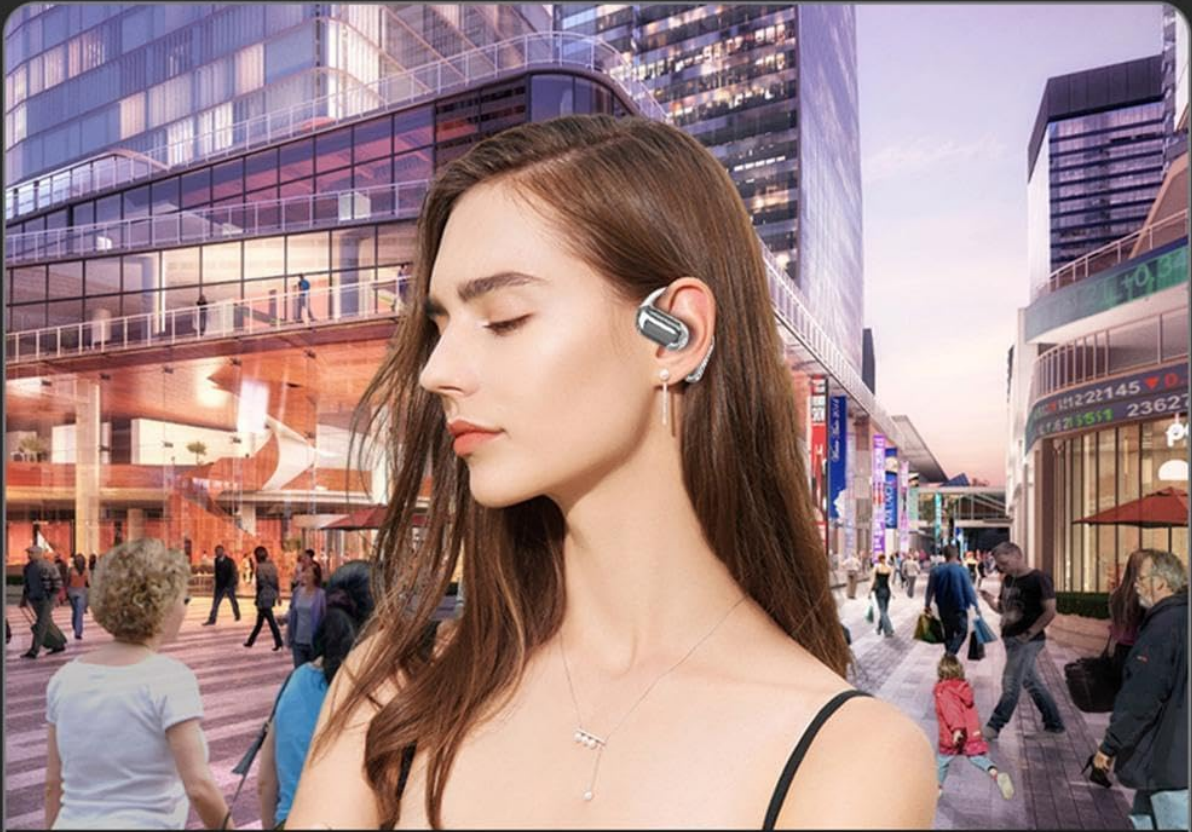
- **Music Playback:** Control play/pause, skip tracks, and adjust volume directly from the touch screen.
- **Noise Reduction Control:** Toggle Active Noise Cancellation (ANC) on/off or adjust its intensity.
- **Equalizer (EQ) Switching:** Select from various EQ presets to customize your sound profile.

4.2 Sound Modes and Spatial Effects

The Q16Pro offers four distinct sound modes and three spatial sound effects to optimize your audio experience for different content.

- **Sound Modes:**
 - Balanced
 - Bass
 - Jazz
 - Vocals
- **Spatial Sound Effects:**
 - Music Mode: Simulates a wide sound field, enhances human voice for bright and clear tone.
 - Game Mode: Provides stable 0.06 seconds ultra-low delay listening position for competitive gaming.
 - Movie Mode: Enhances sound effects for an immersive cinematic experience.

Switch between these modes directly via the touch screen on the charging case to match your activity.



Music Mode

Simulate a spacious sound field while listening to music, enhance vocals, and make the sound bright and clear.

Figure 3: Music Mode enhances vocals and clarity for an immersive listening experience.

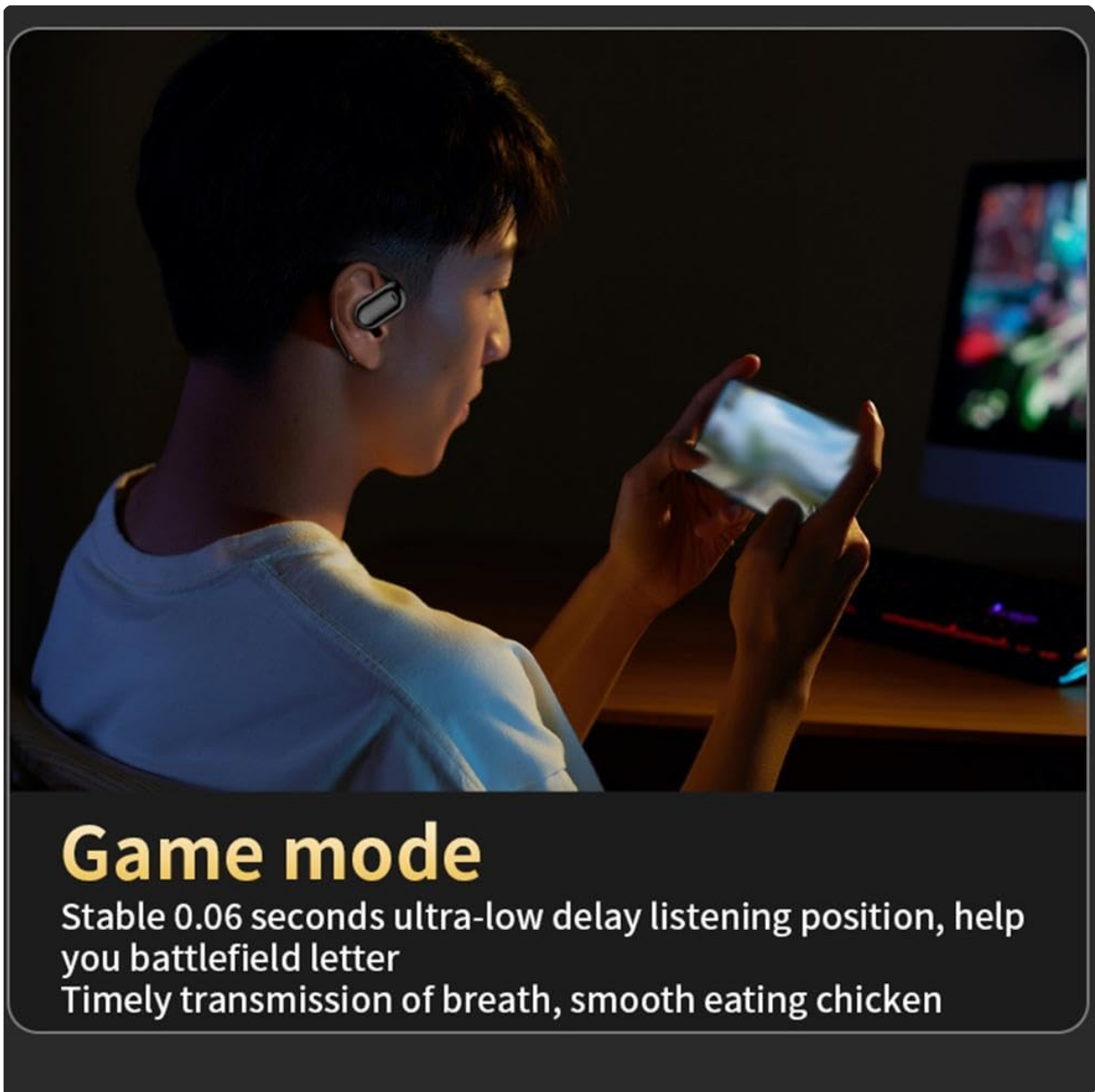


Figure 4: Game Mode provides ultra-low latency for precise audio cues during gameplay.

4.3 Call Management

The Q16Pro earbuds feature ENC (Environmental Noise Cancellation) for calls, ensuring clear conversations by reducing background noise. Use the touch controls on the earbuds or the charging case to answer, end, or reject calls.

4.4 Personalized Screen Saver

Customize your charging case display with three high-value dynamic screen displays. Switch between them at any time via the touch screen settings to personalize your device.

5. MAINTENANCE AND CARE

5.1 Cleaning

Regularly clean your earbuds and charging case with a soft, dry, lint-free cloth. Avoid using abrasive materials or harsh chemicals. For the open-ear design, ensure no debris accumulates in the speaker areas.

5.2 Water Resistance (IPX7)

The Q16Pro earbuds are IPX7 waterproof, meaning they can withstand immersion in water up to 1 meter for 30 minutes. While suitable for running and workouts, avoid prolonged submersion or use in saltwater. Ensure earbuds are completely dry before placing them back in the charging case to prevent damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Earbuds not pairing/connecting.	Low battery, out of range, pairing mode not active.	Charge earbuds/case. Ensure device Bluetooth is on. Re-enter pairing mode by opening the case.
No sound or low volume.	Volume too low on device/earbuds, improper fit, earbud obstruction.	Increase volume. Adjust earbud position. Clean speaker areas.
Noise cancellation not effective.	ANC feature off, environmental noise too high.	Ensure ANC is activated via touch screen. Adjust earbud fit.
Charging case display not working.	Case battery depleted.	Connect charging case to power source.

7. SPECIFICATIONS

- **Model Name:** Q16Pro
- **Connectivity Technology:** Wireless (Bluetooth 5.4)
- **Ear Placement:** Open Ear (Over Ear form factor)
- **Control Type:** Media Control, Touch
- **Noise Control:** Active Noise Cancellation
- **Water Resistance Level:** IPX7 Waterproof
- **Material:** Plastic
- **Weight:** Approximately 8g per earbud
- **Audio Driver Type:** Dynamic Driver (High-elastic magnetic bass dynamic coil, Polymer ceramic tweeter unit)
- **Battery Life:** Up to 40 hours (total with charging case, implied)
- **Included Components:** Headphone (Earbuds and Charging Case)

High precision laminated horn Sound grade surround sound

Innovative use of high elastic magnetic bass moving coil and polymeric ceramic treble single Meta combination coaxial dual unit, bring HIFI-level sound quality experience



Figure 5: High-precision laminated horn and coaxial dual unit configuration for superior sound.

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the product packaging or contact the manufacturer directly. Keep your purchase receipt as proof of purchase for any warranty claims.

9. PRODUCT VIDEO OVERVIEW

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Video 1: Official overview of the Q16Pro True Wireless Open Ear Earbuds, highlighting key features and design.

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This manual is for informational purposes only. Specifications are subject to change without notice.