

Hidizs ST2 PRO

Hidizs ST2 Pro USB-C Wired Earbuds Instruction Manual

Model: ST2 PRO

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1. INTRODUCTION

The Hidizs ST2 Pro USB-C Wired Earbuds are designed to deliver high-fidelity audio with exceptional clarity and zero latency. Featuring dual titanium dynamic drivers, an ESS ES9218AC Pro DAC chip, and a high-definition microphone, these in-ear monitor headphones provide a superior listening experience for music, gaming, and communication. The durable oxygen-free copper cable ensures reliable performance and enhanced signal transmission.

Why HIDIZS ST2 PRO Nebula ?


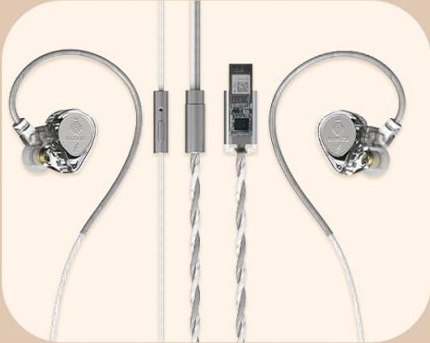

		
<input checked="" type="checkbox"/> No Standard Audio Quality	<input checked="" type="checkbox"/> Hi-Res Audio Quality	<input checked="" type="checkbox"/> Lossy sound
<input checked="" type="checkbox"/> USB-C Universal Chip	<input checked="" type="checkbox"/> High-Performance ESS DAC & AMP Chip	<input checked="" type="checkbox"/> No Chip
<input checked="" type="checkbox"/> Unlimited Usage Time	<input checked="" type="checkbox"/> Unlimited Usage Time	<input checked="" type="checkbox"/> Approximately 2-3 Hours
<input checked="" type="checkbox"/> 0 Second Latency	<input checked="" type="checkbox"/> 0 Second Latency	<input checked="" type="checkbox"/> Approximately 30-70 ms

Figure 1: Hidizs ST2 Pro USB-C Wired Earbuds, showcasing their sleek design and transparent housing.

2. SETUP

2.1. Package Contents

- Hidizs ST2 Pro USB-C Wired Earbuds
- 3 pairs of Ergonomics Silicone White EarTips (S/M/L)
- USB-C to USB-A Adapter
- HIDIZS Pouch Bag
- User Manual & Warranty Card
- Product Quality Certificate

2.2. Selecting the Right Ear Tips

For optimal sound quality and comfort, choose the ear tips that best fit your ears. Experiment with the included three sizes (Small, Medium, Large) of ergonomic silicone ear tips to find the most secure and comfortable seal. A proper seal is crucial for effective sound isolation and bass response.



Figure 2: Selection of ergonomic silicone ear tips for personalized fit and sound isolation.

2.3. Connecting the Earbuds

The Hidizs ST2 Pro earbuds feature a detachable cable with MMCX connectors. Ensure the cable is securely attached to each earbud (L for left, R for right). Then, plug the USB-C connector into your compatible device (smartphone, tablet, PC, DAC, DAP). If your device only has a USB-A port, use the included USB-C to USB-A adapter.

Beyond Bluetooth

Pure Hi-Fi & Fit Any USB-C Device

Frequency Response
20Hz-40kHz

Sensitivity
108dB

Impedance
32Ω

Ultra Low Distortion
0.0012%

Figure 3: Close-up of the Hidizs ST2 Pro earbuds showing the detachable cable connection.



Figure 4: The USB-C connector housing the ESS ES9218AC Pro DAC chip for high-resolution audio processing.

2.4. Wearing the Earbuds

Gently insert each earbud into your ear canal, ensuring a snug fit. The cable is designed to loop over your ear for added stability and comfort, especially during active use. Adjust the cable behind your ear until it feels secure.



Figure 5: Proper wearing technique for the Hidizs ST2 Pro earbuds, with the cable looped over the ear for stability.

2.5. Initial Use

Once connected, your device should automatically recognize the Hidizs ST2 Pro earbuds. No additional

drivers or software installation is typically required. You can now begin playing audio from your device.

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Video 1: Hidizs ST2 Pro In Ear Monitors USB C Hi-Fi DAC - This video provides an overview of the earbuds' features and DAC functionality, demonstrating their high-fidelity audio capabilities.

3. OPERATING INSTRUCTIONS

3.1. In-Line Controls

The Hidizs ST2 Pro earbuds feature an in-line remote for convenient control of your audio and calls:

- **Single Press:** Play/Pause audio, Answer/End calls.
- **Double Press:** Skip to the next track.
- **Triple Press:** Go to the previous track.
- **Volume Buttons:** Adjust the volume up or down.

Tap to Control, Speak with Clarity



Figure 6: The in-line remote with buttons for audio control and an integrated HD microphone.

3.2. High-Definition Microphone

The integrated HD microphone supports dual-channel 24-bit/48kHz beamforming with AI noise

suppression, ensuring clear voice transmission during calls or online gaming sessions. This technology isolates your voice, reducing background noise for improved communication clarity.

3.3. Gaming Performance

Experience zero-latency audio (0.08ms signal transmission) with the ESS-embedded DAC, providing real-time audio positioning crucial for competitive gaming. The Hi-Res certified drivers reproduce a wide frequency range (20Hz-40kHz) for immersive sound effects.



Figure 7: The earbuds provide immersive, lag-free audio, ideal for gaming and other media consumption.

3.4. Device Compatibility

The Hidizs ST2 Pro earbuds are compatible with a wide range of devices supporting USB-C audio output, including PCs, tablets, cellphones, Digital-to-Analog Converters (DACs), and Digital Audio Players (DAPs). They support various operating systems like Windows/Mac OS, iOS/Android, and Harmony OS.

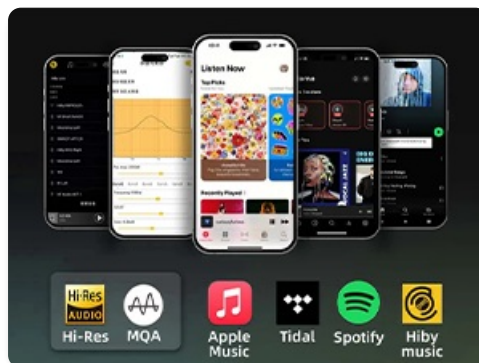


Figure 8: Broad compatibility across various operating systems and device types.

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Video 2: Hidizs ST2 Pro compare with normal wired earphone - This video highlights the superior performance of the ST2 Pro compared to standard wired earphones.

4. MAINTENANCE

4.1. Cleaning

Regularly clean your earbuds and ear tips to maintain hygiene and optimal sound quality. Gently wipe the earbuds with a soft, dry cloth. Remove the silicone ear tips and clean them with mild soap and water, then rinse thoroughly and allow them to dry completely before reattaching.

4.2. Cable Care

The high-purity oxygen-free copper cable is designed for durability. To prevent tangling and damage, store the cable neatly, ideally in the included HIDIZS Pouch Bag, when not in use. Avoid sharp bends or excessive pulling on the cable.



Figure 9: The durable, high-purity oxygen-free copper cables are designed for longevity and superior signal transmission.

4.3. Storage

Store your earbuds in the provided HIDIZS Pouch Bag to protect them from dust, dirt, and physical damage. Keep them in a cool, dry place away from direct sunlight and extreme temperatures.

5. TROUBLESHOOTING

5.1. No Sound or Low Volume

- Ensure the USB-C connector is fully inserted into your device.
- Check your device's volume settings and ensure it's not muted.
- Verify that the ear tips are correctly attached and form a proper seal in your ear canal.
- Test the earbuds with another compatible device to rule out device-specific issues.

- Ensure the detachable cable is securely connected to both earbuds.

5.2. Poor Sound Quality

- Confirm that the ear tips provide a good seal. An improper seal can lead to reduced bass and overall poor sound.
- Clean the ear tips and earbud nozzles to remove any debris that might be obstructing sound.
- Ensure the audio source is of good quality (e.g., high-resolution audio files, stable streaming connection).
- Check if the cable is damaged or frayed.

5.3. Microphone Issues

- Ensure the in-line remote, which houses the microphone, is positioned correctly and not obstructed.
- Check your device's microphone input settings.
- Test the microphone with another application or device.

6. SPECIFICATIONS

Feature	Detail
Model Name	ST2 PRO
Connectivity Technology	Wired (USB-C)
Headphones Jack	USB-C
Audio Driver Type	Dual Magnetic Circuit Dynamic Driver
Audio Driver Size	10 Millimeters
DAC Chip	ESS ES9218AC Pro
PCM Support	32-Bit/384kHz
DSD Support	Native DSD 64/128
MQA Support	8X
Impedance	32 Ohms
Sensitivity	118 dB
THD	0.0012%
Noise Control	Sound Isolation
Microphone	HD Mic with AI Noise Suppression
Cable Feature	Detachable, High-purity Oxygen-free copper
Control Type	In-Line Volume Control, Play/Pause, Track Skip

Feature	Detail
Compatible Devices	PC, Tablet, Cellphone, DAC, DAP

7. WARRANTY & SUPPORT

7.1. Warranty Information

Your Hidizs ST2 Pro USB-C Wired Earbuds come with a User Manual & Warranty Card. Please refer to this card for detailed information regarding your product's warranty coverage, terms, and conditions.

7.2. Customer Support

For any questions, technical assistance, or support inquiries regarding your Hidizs ST2 Pro earbuds, please visit the official Hidizs website or contact their customer service directly. Contact information can typically be found on the warranty card or the brand's official website.