VENTION CDKHB

VENTION USB External Stereo Sound Card (Model CDKHB) Instruction Manual
Model: CDKHB

1. INTRODUCTION

This manual provides detailed instructions for the VENTION USB External Stereo Sound Card, Model CDKHB. This device serves as an external audio adapter, converting a USB port into a 3.5mm headphone and microphone jack. It is designed to replace faulty internal sound cards or provide additional audio connectivity for various devices.

Image 1.1: VENTION USB External Stereo Sound Card, Model CDKHB. This image shows the compact adapter with a USB-A connector on one end and two 3.5mm jacks (one pink for microphone, one green for headphones) on the other.
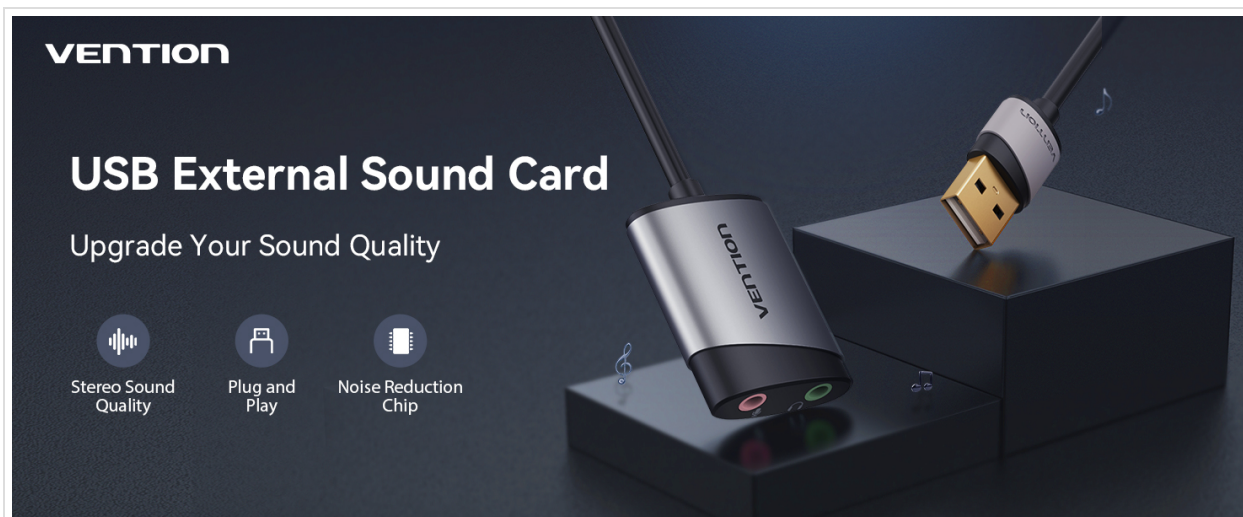

Image 1.2: Promotional banner highlighting the product's features: Stereo Sound Quality, Plug and Play, and Noise Reduction Chip.

2. SETUP AND INSTALLATION

The VENTION USB External Stereo Sound Card is designed for plug-and-play functionality, requiring no

additional drivers for most compatible operating systems.

2.1 Connecting the Device

1. Locate an available USB-A port on your computer, laptop, gaming console (PS4/PS5), or other compatible device.

2. Insert the USB-A connector of the VENTION sound card into the USB port.

3. Connect your headphones, speakers, or microphone to the corresponding 3.5mm jacks on the sound card. The pink port is for the microphone, and the green port is for headphones/speakers.

Microphone connected to the pink port
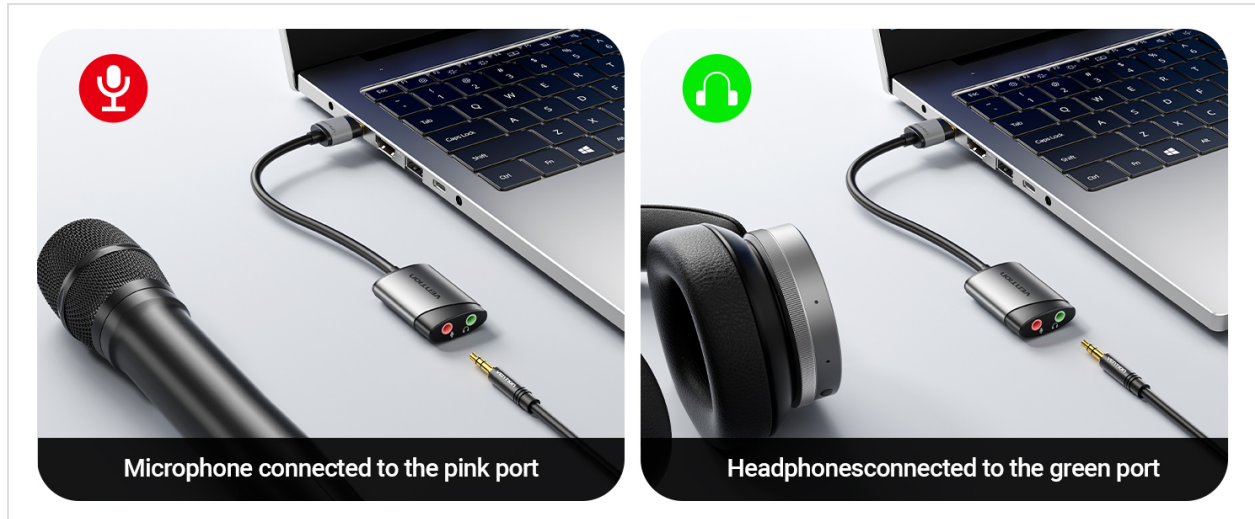
Headphonesconnected to the green port

Image 2.1: Illustration showing a microphone connected to the pink port and headphones connected to the green port of the VENTION USB sound card, attached to a laptop.

2.2 System Compatibility

The adapter is compatible with a wide range of operating systems and devices:

- **Operating Systems:** Windows 10/11, Mac OS, Linux, Raspberry Pi.
- **Devices:** PC, Laptops, Desktops, PS5, PS4, Xbox (for audio output, microphone functionality may vary).
- **Audio Peripherals:** External TRS Microphones, headsets, earphones, speakers.

Note: This device only supports mono microphone TRS. It does not support TS or TRRS microphones. It also does not support TVs or cars.

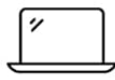# Wide Compatibility

Plug and play, no drivers needed.

Windows

Mac OS

Linux

USB Port

PC

Laptop

XBOX

PS5/PS4

Audio Port

Earphone

Headphone

Speaker

Microphone

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Image 2.2: Visual representation of the sound card's wide compatibility with Windows, Mac OS, Linux, PC, Laptop, XBOX, PS5/PS4, Earphone, Headphone, Speaker, and Microphone.

Wide Compatiblity

System:	Windows	Mac OS	Linux	
USB Port:	PC	Laptop	XBOX	PS4/5
Audio Port:	Earphone	Headphone	Speaker	Microphone

Image 2.3: A detailed chart illustrating system, USB port, and audio port compatibility for the VENTION USB sound card.

3. OPERATING INSTRUCTIONS

Once connected, the VENTION USB External Stereo Sound Card functions as your primary audio input and output device. You may need to select it as the default audio device in your operating system's sound settings.

3.1 Audio Output

Connect your headphones or speakers to the green 3.5mm output jack. The built-in DAC high-resolution chip provides high-fidelity audio, enhancing your listening experience by reducing electromagnetic interference.

3.2 Microphone Input

Connect your TRS mono microphone to the pink 3.5mm input jack. This enables voice communication for gaming, online meetings, or recording.

Dual Channel Voice Synchronization

Microphone Jack Compatibility

Not Supported TRRS/TS

TS	TRS	TRRS
✕	✓	✕

Image 3.1: Depicts the sound card connected to a laptop, illustrating dual-channel voice synchronization and specifying compatibility with TRS microphone jacks (TS and TRRS are not supported).

Image 3.2: A user is shown gaming on a desktop computer, with the VENTION USB sound card connected, enabling communication with other players.

4. MAINTENANCE

To ensure the longevity and optimal performance of your VENTION USB External Stereo Sound Card, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the device. Avoid using liquid cleaners or abrasive materials.

- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid bending or twisting the cable excessively. Do not pull the device by its cable; always grasp the USB connector when plugging or unplugging.

The aluminum alloy shell provides wear resistance, durability, and good heat dissipation. The gold-plated USB connectors ensure stable transmission and good electrical conductivity.
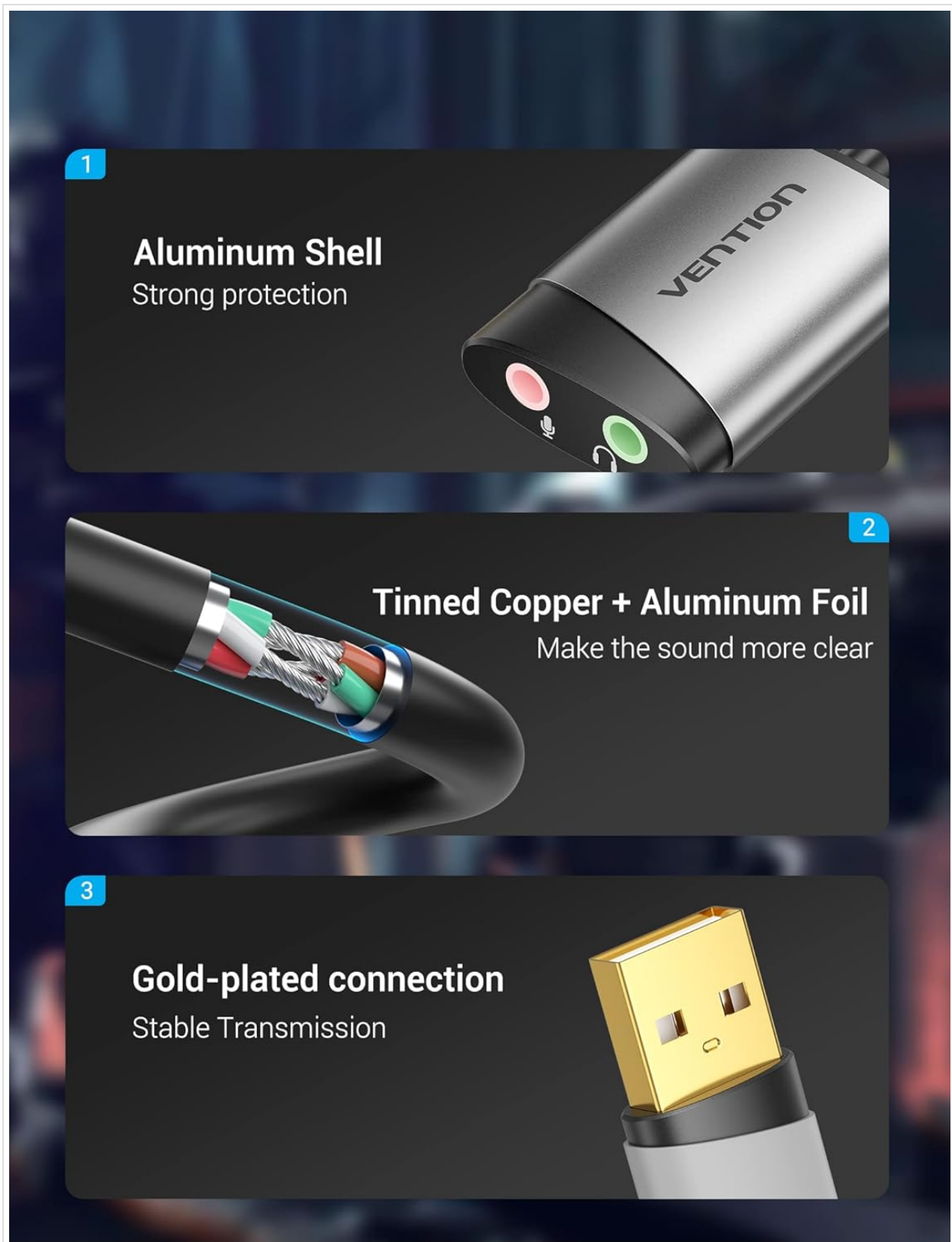

Image 4.1: Close-up views highlighting the product's construction: Aluminum Shell for strong protection, Tinned Copper + Aluminum Foil for clear sound, and Gold-plated connection for stable transmission.

5. TROUBLESHOOTING

If you encounter issues with your VENTION USB External Stereo Sound Card, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
No sound output from headphones/speakers.	- Ensure the sound card is securely plugged into a working USB port. - Verify that your headphones/speakers are correctly connected to the green 3.5mm jack. - Check your operating system's sound settings to ensure the VENTION USB Audio Device is selected as the default output. - Increase the volume on your device and in your software.
Microphone not working.	- Ensure your microphone is securely connected to the pink 3.5mm jack. - Confirm your microphone is a TRS (Tip-Ring-Sleeve) type. TS or TRRS microphones are not supported. - Check your operating system's sound settings to ensure the VENTION USB Audio Device is selected as the default input. - Verify microphone privacy settings in your operating system.
Sound quality is poor or distorted.	- Ensure all connections are secure. - Test with different headphones/speakers or microphone to rule out peripheral issues. - Avoid placing the device near strong electromagnetic interference sources.
Device not recognized by the system.	- Try plugging the device into a different USB port. - Restart your computer or device. - Ensure your operating system is compatible (Windows, Mac, Linux, PS4/PS5).

Image 5.1: Illustrates common problems the sound card can solve: original sound card damaged, PS4 unable to connect to external audio, and inability to use a microphone on a single-hole laptop.

6. SPECIFICATIONS

Feature	Detail
Model Number	CDKHB

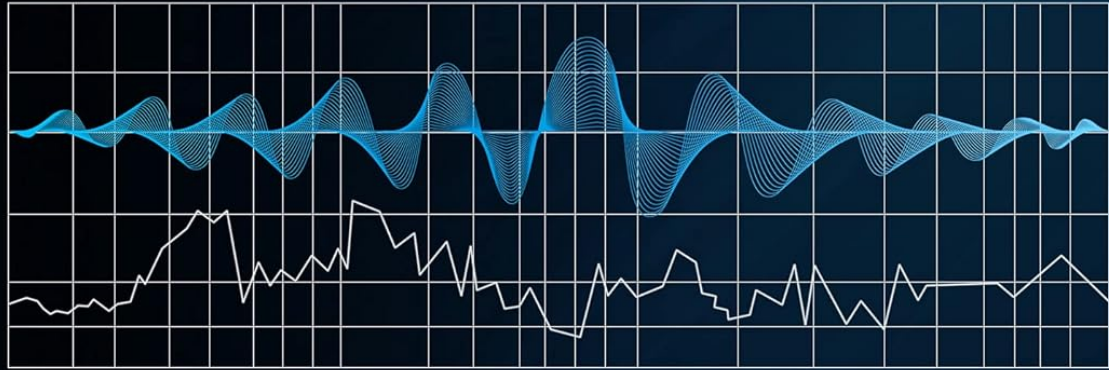| Feature	Detail
Brand	VENTION
Hardware Interface	USB 2.0
Audio Output Mode	Stereo
Compatible Devices	Personal Computer, Amplifier, Speaker, Headphone, Laptop, Gaming Console (PS4, PS5), Microphone, Smartphone, Tablet (devices recognizing USB audio drivers)
Compatible Operating Systems	Linux, PlayStation 4, Windows 10/11, Mac OS, Raspberry Pi
Microphone Support	Mono microphone TRS only (TS or TRRS not supported)
Material	Aluminum Alloy Shell, Tinned Copper + Aluminum Foil Wire, Gold-plated USB Connectors
Item Weight	1.59 ounces
Package Dimensions	6.42 x 3.31 x 0.87 inches

Wired Extension Sound Card

Solution to sound card damaged or without sound card wired others

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Others

Image 6.1: Compares the VENTION sound card's compact design as a solution for damaged sound cards or wired connections, contrasting it with bulkier alternatives.

Image 6.2: An internal view of the sound card highlighting the noise reduction chip, with a graph illustrating VENTION Hi-Fi sound versus common sound without a chip.

Image 6.3: A visual summary of the sound card's features including Drive-Free, Compact Design, Plug & Play, Microphone Support, Noise Reduction Chip, and Clear Sound, along with physical attributes like the 15cm PVC cable and aluminum alloy shell.

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official VENTION website or contact your retailer. Keep your purchase receipt for warranty claims.