

VENTION CVAB0

VENTION External USB DAC 7.1 Sound Card User Manual

Model: CVAB0

INTRODUCTION

This manual provides detailed instructions for the VENTION External USB DAC 7.1 Sound Card (Model CVAB0). This device enhances your audio experience with virtual 7.1 surround sound, high-fidelity 24-bit/192kHz audio, and versatile connectivity, making it suitable for gaming, movies, and general audio use across various platforms.

Champion's Choice Gaming Audio Amplifier

Eintauchen in Klanglandschaften für ein professionelles Gaming-Erlebnis.



Image Description: A front view of the VENTION External USB DAC 7.1 Sound Card, showcasing its sleek design and dynamic RGB lighting. The device features a central control knob and several buttons for audio adjustments.

PRODUCT FEATURES

- **Immersive 7.1 Virtual Surround Sound:** Utilizes advanced audio processing for virtual 7.1 surround sound, providing an immersive listening experience for gaming and movies by clearly distinguishing sounds from different directions.
- **High-Fidelity Audio:** Supports 24-bit/192kHz high-resolution audio with a professional DSP sound card chip, ensuring clear, detailed, and rich sound quality.
- **Versatile Connectivity:** Equipped with USB-C and three 3.5mm jacks (for microphone, headphones, and other audio devices). Supports both TRS and TRRS microphones.
- **Wide Compatibility:** Compatible with PCs, laptops, gaming consoles (PS5, PS4, Xbox One, Nintendo Switch), and speaker systems. Driver-free support for Windows 8/8.1/10/11, Mac OS, and Linux systems.
- **Powerful Sound Adjustment and Control:** Features an independent equalizer with 16 preset sound effects. Includes volume control, one-click mute, and one-click switching between Game, Movie, and Standard audio modes.

- **Optimized for Gaming:** Precise sound effects help capture key audio cues in games, improving reaction times. Four additional game sound effects are available.
- **Dual Output Support:** Allows simultaneous connection of headphones and external speakers.
- **RGB Lighting:** Features vibrant RGB lighting, specifically designed to enhance your gaming setup.
- **Easy Software Installation:** Install the VENTION Audio Center software for full audio performance and customization. The software supports multiple languages.

SETUP

1. Hardware Connection

1. Connect the VENTION External USB DAC to your computer or gaming console using the provided USB-C cable.
2. Plug your headphones into the headphone jack.
3. If using a microphone, connect it to the microphone jack.
4. For external speakers, connect them to the audio output jack.



Image Description: A diagram illustrating the available ports on the VENTION sound card, including the microphone input, headphone connection, and a general audio interface for headphones or speakers. It highlights the dual output capability.

2. Driver Installation (Optional for Full Features)

The device supports driver-free operation on Windows 8/8.1/10/11, Mac OS, and Linux for basic functionality. However, to unlock the full performance, including virtual 7.1 surround sound and advanced equalizer settings, it is recommended to install the VENTION Audio Center software.

- Visit the official VENTION website to download the latest VENTION Audio Center software.
- Follow the on-screen instructions to complete the installation.
- Restart your computer if prompted.

Breite Kompatibilität

3,5 mm Klinke



Kopfhörer Headset Lautsprecher Mikrofon Audiokabel

USB-Anschluss



Laptop

Desktop

PS4/PS5

Switch

Anwendbares System



macOS



Windows



Linux

Image Description: A compatibility chart detailing various 3.5mm jack devices (headphones, headsets, speakers, microphones, audio cables) and USB-connected devices (laptops, desktops, PS4/PS5, Switch). It also lists supported operating systems: macOS, Windows, and Linux.

OPERATING INSTRUCTIONS

1. Basic Controls

- **Volume Control:** Use the central knob to adjust the master volume.
- **Mute Function:** Press the dedicated mute button to quickly mute/unmute audio.
- **Microphone Mute:** Press the microphone mute button to mute/unmute your microphone.

2. Audio Modes

The sound card offers three distinct audio modes for different scenarios. Press the mode button to cycle through them:

- **Game Mode:** Enhances gaming positioning and sound effects for a more immersive and competitive experience.
- **Movie Mode:** Optimized for cinematic audio, providing a rich and enveloping soundstage for films.
- **Standard Mode:** A balanced audio profile suitable for music listening, calls, and general use.

Drei Modi Ein-Touch-Umschaltung

【Spielmodus】 Verbesserte Gaming-Positionierung



【Kino-Modus】
Eintauchendes Sehen und Hören



【Standardmodus】
Klareres Musikhören/Anrufe



Image Description: An illustration depicting the three one-touch switchable audio modes: Game Mode for enhanced positioning, Movie Mode for immersive viewing and listening, and Standard Mode for clear music and calls.

3. Game/Voice Volume Control

The device features independent control for game audio volume and voice chat volume.

- **Adjusting Game Volume:** Press and hold the "GAME VOL" button to increase the game volume (main application) and decrease the voice chat volume (secondary application).
- **Adjusting Voice Volume:** Conversely, press and hold the "VOICE VOL" button to increase the voice chat volume and decrease the game volume accordingly.



Image Description: A visual representation of the Game Volume and Voice Volume controls, indicating how to adjust the balance between game audio and voice chat.

4. VENTION Audio Center Software

Once installed, the VENTION Audio Center software provides advanced customization options:

- **Equalizer:** Fine-tune audio frequencies with the independent equalizer, offering 16 preset sound effects.
- **7.1 Surround Sound:** Enable and configure the virtual 7.1 surround sound feature for precise directional audio.
- **Gaming Sound Effects:** Access and apply four additional game-specific sound effects (FPS, RPG, MMORPG, Sports).

Unabhängige Equalizer-Anpassung

16 Soundeffekte



Vier neue Spiel-Soundeffekte



Hinweis: Sie müssen die Vention Audio Center-Software verwenden,
die auf dem System Ihres Geräts installiert ist, um diese Funktion zu nutzen.

Image Description: A screenshot of the VENTION Audio Center software interface, showing the independent equalizer adjustment with various frequency bands and 16 sound effects. It also highlights four new game sound effects: FPS, RPG, MMORPG, and Sports.

7.1 Gaming-Soundkanäle

Genaueres Unterscheiden von Schritten, Schüssen und Umgebungsgeräuschen in komplexen Spielschlachten gewährleistet einfache Siege.

Hinweis: Die virtuelle 7.1 Surround-Sound-Funktion erfordert die Installation der Vention Audio Center-Software auf dem System Ihres Geräts. Besuchen Sie die folgende Website, um sie herunterzuladen. Detaillierte Installationsanweisungen entnehmen Sie bitte dem beigefügten Benutzerhandbuch.

Image Description: A gamer using a headset in front of a monitor, with an overlay indicating "7.1 Gaming Sound Channels." The text emphasizes precise distinction of footsteps, shots, and environmental sounds for complex game battles. A note below mentions that the virtual 7.1 surround sound function requires the VENTION Audio Center software.

MAINTENANCE

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using liquid cleaners.
- Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid dropping or subjecting the device to strong impacts.
- Ensure cables are connected securely but without excessive force to prevent damage to ports.

TROUBLESHOOTING

- **No Sound Output:**
 - Check all cable connections (USB, headphones, speakers).
 - Ensure the device is selected as the default audio output in your operating system's sound settings.

- Verify that the volume is not muted on the device or in your system settings.
 - If using the VENTION Audio Center software, ensure it is correctly installed and configured.
- **Microphone Not Working:**
 - Ensure the microphone is properly connected to the correct jack.
 - Check if the microphone is muted on the device or in your system's sound input settings.
 - Verify that the VENTION device is selected as the default input device.
 - Confirm your microphone type (TRS/TRRS) is compatible.
 - **Software/Driver Issues:**
 - If experiencing issues with advanced features (e.g., 7.1 surround sound, equalizer), ensure the VENTION Audio Center software is installed correctly and is up to date.
 - Try reinstalling the software if problems persist.
 - Consult the VENTION support website for the latest drivers and troubleshooting guides.
 - **Poor Sound Quality:**
 - Ensure you are using high-quality audio sources.
 - Check your equalizer settings in the VENTION Audio Center software; reset to default if necessary.
 - Test with different headphones/speakers to rule out issues with peripherals.

SPECIFICATIONS

Brand	Vention
Model Number	CVAB0
Interface	USB 3.0 (USB-C connection)
Audio Output Mode	7.1 Virtual Surround Sound
Max Sampling Rate	192 kHz / 24-bit
Compatible Devices	PS5, PS4, Xbox One, Nintendo Switch, PC, Headphones
Compatible Platforms	Windows 8/8.1/10/11, Mac OS, Linux
Hardware Platform	Personal Computer

Hochwertige Klangqualität

Mit einem DSP-Soundkartenchip bietet die Samplingrate von 192kHz@24bit eine höhere Audioauflösung und einen breiteren Dynamikbereich als die Standard-CD-Qualität (44.1kHz@16bit).



Image Description: A close-up image of a DSP (Digital Signal Processor) sound card chip, emphasizing the high-quality sound capabilities. The text highlights that with a DSP sound card chip, the 192kHz@24bit sampling rate offers higher audio resolution and a wider dynamic range than standard CD quality (44.1kHz@16bit).

WARRANTY INFORMATION

Specific warranty details for the VENTION External USB DAC 7.1 Sound Card (Model CVAB0) are typically provided with the product packaging or on the official VENTION website. Please refer to these sources for the most accurate and up-to-date warranty terms and conditions.

SUPPORT

For technical support, product inquiries, or further assistance, please visit the official VENTION support website. You can usually find contact information, FAQs, and additional resources there.

Online Resources:

- Official VENTION Website: www.ventiontech.com (or relevant regional site)
- Product Support Page: Check the VENTION website for a dedicated support page for model CVAB0.

