

Vioelectric DHA V226

Vioelectric DHA V226 Headphone Amplifier/DAC User Manual

Model: DHA V226

Brand: Vioelectric

1. INTRODUCTION

1.1 Product Overview

The Vioelectric DHA V226 is a high-performance headphone amplifier and digital-to-analog converter (DAC) designed for precision audio reproduction. This versatile unit combines a powerful D/A converter, a symmetrical headphone amplifier, and a preamplifier function into a single, robust device. It is engineered to deliver exceptional sound clarity and power for demanding audio setups.



Figure 1.1: Front view of the Vioelectric DHA V226.

1.2 Key Features

- **High-Resolution DAC:** Features a 32-bit converter with a typical dynamic range of 130 dB and a THD+N of -115 dB.
- **Extensive Format Support:** Supports PCM signals up to 32-bit and 384 kHz, and DSD 256.
- **Powerful Amplification:** Equipped with four powerful amplifiers delivering 3500 mW of output power.
- **Versatile Outputs:** Includes switchable headphone outputs and rear line outputs for connecting to power amplifiers or active loudspeakers.
- **Analog Inputs:** Provides analog stereo inputs via RCA connections.
- **Preamplifier Functionality:** Can function as a high-quality preamplifier.
- **Robust Construction:** Made from aluminum, ensuring durability and a substantial desktop presence.
- **German Engineering:** Designed and manufactured in Germany.

2. PRODUCT COMPONENTS AND CONTROLS

2.1 Front Panel Overview

The front panel of the DHA V226 provides access to primary controls and headphone outputs.



Figure 2.1: Close-up of the front panel controls.

- **Volume Knob:** Large rotary control for adjusting the output volume.
- **Input Selectors:** Buttons or switches for selecting between RCA 1, RCA 2, and USB inputs. Status LEDs indicate the active input.
- **Output Switch:** Toggles between headphone outputs and line outputs (rear panel).
- **Headphone Outputs:** Includes balanced (XLR, Pentacon) and unbalanced (6.3mm) headphone jacks.
- **Power Button:** Toggles the unit on and off.



Figure 2.2: Detail of the volume control knob.



Figure 2.3: Detail of input and output selection switches.

2.2 Rear Panel Overview

The rear panel houses all input and output connections, as well as power input.



Figure 2.4: Rear panel with all connections.

- **Power Input:** IEC power inlet for connecting the main power cable.
- **RCA Inputs (1 & 2):** Unbalanced analog stereo inputs for source devices.
- **USB-C Input:** Digital audio input for connecting to computers or other digital sources.
- **RCA Outputs:** Unbalanced analog stereo outputs for connecting to power amplifiers or active speakers.
- **Pre-Gain Switches:** Dip switches for adjusting the input gain level.
- **Voltage Selector:** Switch for selecting between 115 VAC and 230 VAC power.

3. SETUP

3.1 Initial Setup

Before connecting the DHA V226, ensure it is placed on a stable, flat surface with adequate ventilation.

1. **Unpacking:** Carefully remove the unit from its packaging. Verify that all included components, such as the power cable, are present.
2. **Voltage Selection:** Check the voltage selector on the rear panel and set it to match your local mains voltage (115 VAC or 230 VAC). *Incorrect voltage selection can damage the unit.*
3. **Power Connection:** Connect the provided power cable to the IEC inlet on the rear panel and then to a suitable wall outlet.

3.2 Audio Connections

Connect your audio sources and output devices to the DHA V226.

- **Source Devices:** Connect your audio sources (e.g., laptops, desktops, music production equipment, tablets) to the RCA inputs (RCA 1 or RCA 2) or the USB-C input on the rear panel.
- **Headphones:** Plug your headphones into one of the front panel headphone outputs (6.3mm, XLR, or Pentacon).
- **External Amplifiers/Speakers:** If using the DHA V226 as a preamplifier, connect its RCA outputs to the inputs of your power amplifier or active loudspeakers.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

1. **Power On:** Press the power button on the front panel to turn on the unit. The status LEDs will illuminate.
2. **Input Selection:** Use the input selector switches on the front panel to choose your desired audio source (RCA 1, RCA 2, or USB). The corresponding LED will light up.
3. **Output Selection:** Use the output switch to select between the headphone outputs (HEAD) or the rear line outputs (LINE). Ensure the correct output is selected for your listening setup.
4. **Volume Adjustment:** Slowly turn the large volume knob clockwise to increase the audio level. Adjust to a comfortable listening volume.
5. **Pre-Gain Adjustment:** For optimal signal levels, especially with different source devices, you may need to adjust the pre-gain switches on the rear panel. Refer to the detailed instructions in the full manual for specific gain settings.

5. MAINTENANCE

5.1 Care and Cleaning

- Always disconnect the unit from the power supply before cleaning.
- Use a soft, dry cloth to wipe the exterior surfaces.
- Do not use liquid cleaners, aerosols, or abrasive materials, as these may damage the finish or internal components.
- Keep the unit free from dust and debris.

5.2 Storage

If the unit will not be used for an extended period, disconnect it from the power supply and store it in a cool, dry place, preferably in its original packaging to protect it from dust and physical damage.

6. TROUBLESHOOTING

6.1 Common Issues and Solutions

- **No Power:**
 - Ensure the power cable is securely connected to both the unit and the wall outlet.
 - Check if the power outlet is functional.
 - Verify the voltage selector on the rear panel is set correctly for your region.
- **No Sound:**
 - Confirm the correct input source is selected.
 - Ensure the output switch is set to the desired output (HEAD for headphones, LINE for rear outputs).
 - Check all audio cables for secure connections.
 - Increase the volume level.
 - Verify that the source device is playing audio and its volume is not muted or too low.
- **Distorted Sound:**
 - Reduce the volume level.
 - Check the pre-gain settings on the rear panel; they might be too high for your source.
 - Ensure audio cables are not damaged or improperly connected.

- Test with a different audio source or headphones/speakers to isolate the issue.

For persistent issues not covered here, please contact Vioelectric customer support or refer to the official Vioelectric website.

7. SPECIFICATIONS

7.1 Technical Data

Specification	Value
Model Name	AMS-DHA-V226
Connectivity Technology	Wired
Included Components	Cable
Material	Aluminum
Item Weight	4.71 pounds
Product Dimensions	10.03 x 6.57 x 2.75 inches
Manufacturer	Vioelectric
Country of Origin	Germany
Color	DHA V226
Headphones Jack	RCA
Frequency Range	Up to 96 kHz

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Vioelectric DHA V226 is covered by a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official Vioelectric website for detailed terms and conditions regarding warranty coverage and service.

8.2 Customer Support

For technical assistance, product inquiries, or support, please visit the [Vioelectric Store on Amazon](#) or the official Vioelectric website. You may also find additional information and FAQs on the product's detail page on Amazon.com.

9. OFFICIAL PRODUCT VIDEO

This video provides an overview of the Vioelectric DHA V226 Headphone Amplifier/DAC, highlighting its key features, design, and capabilities. It showcases the product's professional-grade audio performance, 32-bit converter with 130 dB dynamic range, support for PCM signals up to 384 kHz and DSD 256, powerful 3500 mW amplifiers, and versatile input/output options. The video also touches upon its robust German craftsmanship and suitability for high-fidelity audio systems.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question