

Violectric HPA V340

Violectric HPA V340 Headphone Amplifier

USER MANUAL

1. Product Overview

The Violectric HPA V340 is a high-performance headphone amplifier designed to deliver exceptional audio fidelity. It features advanced circuitry for low noise operation and robust power delivery, ensuring a pristine listening experience for a wide range of headphones.



Figure 1: Front panel of the Violectric HPA V340, featuring the large volume control knob, input selection switches (RCA 1, RCA 2), output selection (Head, Line), and power button. The Violectric logo is prominently displayed.

2. Initial Setup

- Unpacking:** Carefully remove the HPA V340 from its packaging. Ensure all components, including the power cable, are present.
- Power Connection:** Connect the supplied power cable to the rear of the amplifier and then to a suitable power outlet. The unit supports switchable voltage between 115V and 230V. **Ensure the voltage switch on the rear panel is set correctly for your region before plugging in the unit.**
- Input Connections:** Connect your audio source(s) to the RCA input jacks on the rear panel. The HPA V340 has two RCA inputs.

4. Output Connections:

- For headphones, connect your headphones to the appropriate jack on the front panel (6.3mm or XLR 4-pin).
- For line output to another amplifier or active speakers, use the RCA or balanced XLR line outputs on the rear panel.

5. **Pre-Gain Settings:** The HPA V340 features extended pre-gain settings via DIP switches on the rear panel. These allow for fine-tuning the input sensitivity to match your source and headphones. Available settings are -18, -12, -6, 0, +6, +12, +18 dB. Adjust these according to your preference and equipment.



Figure 2: Rear panel of the Violectric HPA V340, highlighting the power input, 115V/230V voltage selector, RCA analog inputs, DIP switches for pre-gain adjustment, and RCA/XLR line outputs.

3. Operation

- **Power On/Off:** Press the "POWER" button on the front panel to turn the unit on or off.
- **Input Selection:** Use the "INPUT" toggle switch on the front panel to select between RCA 1 and RCA 2 inputs. The corresponding LED will illuminate.
- **Output Selection:** Use the "OUTPUT" toggle switch to select between "HEAD" (headphone output) and "LINE" (line output). When "HEAD" is selected, audio is routed to the headphone jacks. When "LINE" is selected, audio is routed to the RCA and XLR line outputs on the rear.
- **Volume Control:** Adjust the large "VOLUME" knob on the front panel to control the output level. Start with a low volume and gradually increase to a comfortable listening level.
- **Pre and Post Fader Control:** The pre and post fader functions are controlled via a button on the back of the unit. This allows for flexible signal routing before or after the volume control.

Your browser does not support the video tag.

Video 1: An official overview of the Violectric HPA V340 Headphone Amplifier, demonstrating its key features and design. This video highlights the unit's capabilities and connectivity options.

4. Care and Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or aerosols, as they may damage the finish or internal components.
- **Ventilation:** Ensure adequate ventilation around the unit. Do not block the ventilation openings. Avoid placing the amplifier in enclosed spaces or on soft surfaces that may impede airflow.
- **Environmental Conditions:** Keep the amplifier away from direct sunlight, heat sources, and excessive moisture. Operate the unit within recommended temperature and humidity ranges.
- **Handling:** Handle the unit with care. Avoid dropping or subjecting it to strong impacts.

5. Troubleshooting

Problem	Possible Cause	Solution
No sound from headphones/line out.	◦ Power not connected or unit off. ◦ Incorrect input selected. ◦ Incorrect output selected (Head/Line). ◦ Volume too low. ◦ Source device not playing or connected incorrectly.	◦ Ensure power cable is securely connected and unit is on. ◦ Verify the correct input (RCA 1/2) is selected. ◦ Check that the output switch is set to the desired output (Head for headphones, Line for line out). ◦ Increase the volume gradually. ◦ Check connections and playback on your source device.
Distorted or weak sound.	◦ Incorrect pre-gain setting. ◦ Source signal too strong or too weak. ◦ Damaged cables or connections.	◦ Adjust the pre-gain DIP switches on the rear panel to match your source's output level. ◦ Ensure source volume is at an appropriate level. ◦ Inspect all cables and connections for damage or looseness.
Unit does not power on.	◦ Power cable not connected. ◦ Power outlet not active. ◦ Incorrect voltage switch setting.	◦ Check power cable connection to unit and wall outlet. ◦ Test the power outlet with another device. ◦ Verify the 115V/230V switch on the rear is set correctly.

6. Technical Specifications

Model: HPA V340

Brand: Vioelectric

Dimensions (L x W x H): 11.22 x 11.25 x 3.54 inches

Weight: 8.68 Pounds

Material: Aluminum

Color: Black

Connectivity: Wired (RCA)

Power Supply: 2 x 15 Watt PSU, switchable between 115V and 230V

Noise Level: 8 dB less noise than V281 model

Gain Factor: 0 dB unbalanced, 6 dB balanced

Pre-Gain Settings (via DIP switches): -18, -12, -6, 0, +6, +12, +18 dB

Max Output Voltage (balanced, both channels): 32 Volt (1.8 Watts @ 600 Ohm)

Max Power (balanced, both channels): 5 Watt @ 50 Ohm

Included Components: Cable

Compatible Devices: Headphones, Audio Devices with Line Out Connection

7. Warranty and Support

For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your product or visit the official Vioelectric website. You may also contact Vioelectric customer service directly for assistance.

Manufacturer: Vioelectric Audio

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.

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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