Dayton Audio HTA200

Dayton Audio HTA200 Integrated Stereo Hybrid Tube Amplifier User Manual

Model: HTA200

1. Introduction

The Dayton Audio HTA200 is an integrated stereo hybrid tube amplifier designed to deliver high-fidelity audio. This amplifier combines the classic warmth and character of vacuum tubes in the preamplifier stage with the efficiency and power of a solid-state amplifier, providing 100 watts RMS per channel. It offers versatile connectivity options for various audio sources, making it a central component for your home audio system.

2. Safety Instructions

- Read all instructions before operating the amplifier.
- Keep the amplifier away from water or moisture.
- Ensure proper ventilation. Do not block ventilation openings.
- Place the amplifier on a stable, level surface.
- Unplug the amplifier during lightning storms or when unused for long periods.
- Do not attempt to service the unit yourself. Refer all servicing to qualified personnel.
- Use only attachments/accessories specified by the manufacturer.

3. Package Contents

Verify that all items are present in the package:

- Dayton Audio HTA200 Integrated Stereo Hybrid Tube Amplifier
- Power Cord
- Remote Control
- Bluetooth Antenna
- User Manual (this document)

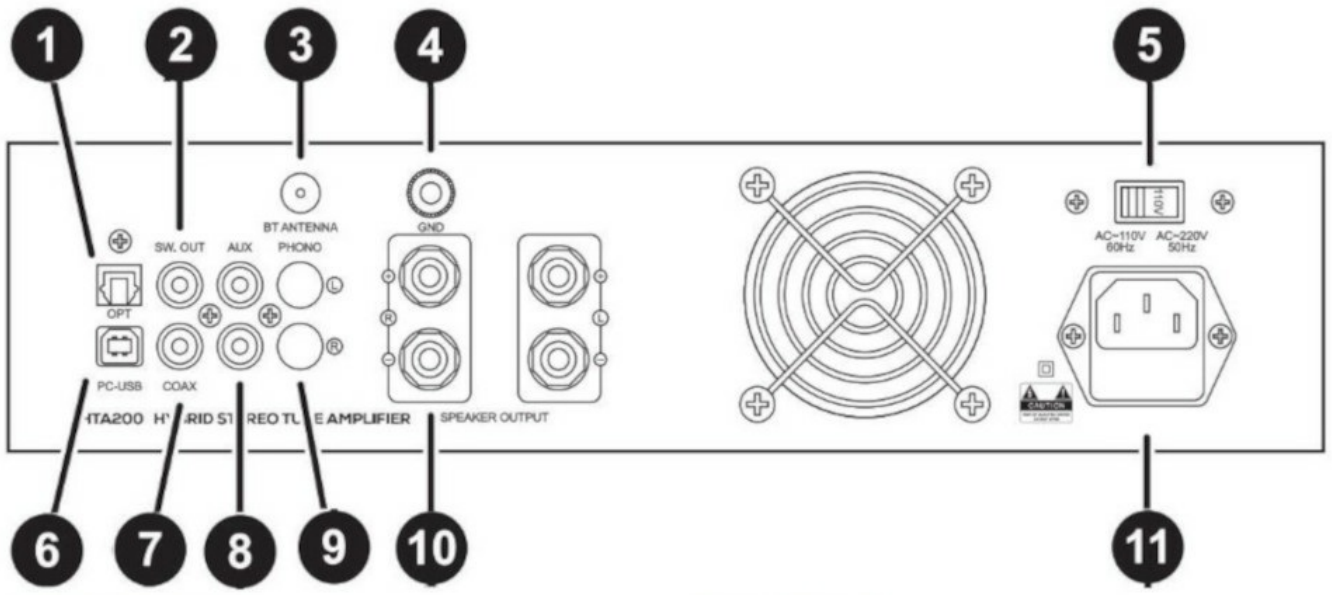
4. Product Overview

4.1 Front Panel



The front panel features the main controls and indicators for the HTA200 amplifier. This includes the power button, two illuminated VU meters displaying output levels, a digital display for input selection, input selector buttons (Phono, AUX, BT, OPT, COAX, PC-USB), Bass and Treble tone controls, a headphone output jack, and a large volume knob. The exposed vacuum tubes glow during operation, indicating the hybrid design.

4.2 Rear Panel



1. TOSLINK Optical Input
2. Preamplified Subwoofer Output (Full Range)
3. Bluetooth Antenna Port
4. Phono Ground Post
5. 110/220V Switch
6. PC USB Input
7. Digital Coaxial Input
8. Auxiliary RCA Inputs
9. Phono RCA Inputs
10. Speaker Outputs
11. AC Power Input

The rear panel provides all the necessary input and output connections. From left to right, it includes a PC-USB input, TOSLINK Optical input, Subwoofer Output (SW. OUT), Auxiliary RCA inputs (AUX), Bluetooth Antenna Port, Phono RCA inputs, Phono Ground Post (GND), Digital Coaxial input (COAX), Speaker Outputs, 110V/220V voltage selector switch, and the AC Power Input. The diagram clearly labels each port for easy identification and connection.

5. Setup

5.1 Placement

Place the HTA200 on a flat, stable surface with adequate ventilation. Ensure there is sufficient space around the unit for airflow, especially around the vacuum tubes and rear cooling fan. Avoid placing it near heat sources or in direct sunlight.

5.2 Connecting Speakers

Connect your passive speakers to the 'SPEAKER OUTPUT' terminals on the rear panel. Ensure correct polarity: connect the positive (+) terminal of the amplifier to the positive (+) terminal of the speaker, and the negative (-) terminal of the amplifier to the negative (-) terminal of the speaker. Use high-quality speaker wire for optimal performance.

5.3 Connecting Audio Sources

- **RCA Inputs (AUX, PHONO):** Use RCA cables to connect analog audio sources such as CD players, tuners, or a turntable. For turntables, connect to the 'PHONO' input and ensure the turntable's ground wire is connected to the 'GND' post on the amplifier.
- **Digital Inputs (OPT, COAX, PC-USB):** Use optical (TOSLINK) cables for the 'OPT' input, coaxial digital cables for the 'COAX' input, or a USB cable for the 'PC-USB' input to connect digital audio sources like TVs, media players, or computers.
- **Bluetooth:** Screw the provided Bluetooth antenna into the 'BT ANTENNA' port on the rear panel.

5.4 Connecting a Subwoofer

If you have a powered subwoofer, connect it to the 'SW. OUT' (Subwoofer Output) port on the rear panel using an RCA cable.

5.5 Power Connection

Before connecting the power cord, ensure the 110V/220V voltage selector switch on the rear panel is set to the correct voltage for your region. Then, connect the power cord to the 'AC POWER INPUT' and plug it into a suitable wall outlet.

6. Operating Instructions

6.1 Power On/Off

Press the power button on the front panel or the remote control to turn the amplifier on or off. The vacuum tubes will glow once the unit is powered on.

6.2 Input Selection

Use the input selector buttons on the front panel (PHONO, AUX, BT, OPT, COAX, PC-USB) or the remote control to choose your desired audio source. The selected input will be displayed on the front panel screen.

6.3 Volume Control

Rotate the large volume knob on the front panel clockwise to increase volume and counter-clockwise to decrease it. The volume can also be adjusted using the remote control.

6.4 Tone Controls

Adjust the 'BASS' and 'TREBLE' knobs on the front panel to fine-tune the low and high frequencies of your audio output according to your preference.

6.5 Bluetooth Pairing

1. Select 'BT' as the input source. The display will show 'BLUE' and flash, indicating it is in pairing mode.
2. On your Bluetooth-enabled device (e.g., smartphone, tablet), search for available Bluetooth devices.
3. Select 'Dayton Audio HTA200' from the list.
4. Once paired, the display will show 'BLUE' steadily, and you can stream audio wirelessly.

6.6 Headphone Use

Plug your headphones into the 6.35mm (1/4 inch) headphone jack on the front panel. Connecting headphones will mute the speaker outputs.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the amplifier's exterior. Do not use liquid cleaners or solvents.
- **Tube Care:** The vacuum tubes have a finite lifespan. While designed for durability, avoid excessive physical shock. If a tube fails, it may need replacement by a qualified technician.
- **Ventilation:** Regularly check that ventilation openings are clear of dust and debris to prevent overheating.

8. Troubleshooting

Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet faulty; Voltage selector incorrect.	Ensure power cord is securely connected; Try a different outlet; Verify 110V/220V switch setting.

Problem	Possible Cause	Solution
No sound	Incorrect input selected; Volume too low; Speakers not connected; Headphones plugged in; Source device issue.	Select correct input; Increase volume; Check speaker connections; Unplug headphones; Verify source device output.
Distorted sound	Volume too high; Speaker impedance mismatch; Faulty cables; Source device issue.	Reduce volume; Ensure speakers match amplifier impedance; Check/replace cables; Test with another source.
Bluetooth not pairing	BT input not selected; Antenna not connected; Device too far; Already paired to another device.	Select BT input; Connect BT antenna; Move device closer; Disconnect from other devices and retry pairing.

9. Specifications

- **Model:** HTA200
- **Power Output:** 100 watts RMS per channel
- **Inputs:** RCA (Auxiliary, Phono), Optical (TOSLINK), Coaxial, USB DAC, Bluetooth
- **Outputs:** Speaker Outputs, Subwoofer Output, Headphone Output
- **Product Dimensions:** 15.91 x 15.51 x 9.61 inches (40.4 x 39.4 x 24.4 cm)
- **Item Weight:** 3.6 pounds (1.63 kg)
- **Manufacturer:** Dayton Audio
- **Date First Available:** April 18, 2023

10. Warranty and Support

The Dayton Audio HTA200 amplifier is covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms, duration, and to obtain technical support or service, please refer to the warranty card included with your product or visit the official Dayton Audio website. Do not attempt to repair the unit yourself, as this may void your warranty.

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