



HYBRID STEREO TUBE AMPLIFIER

Model: HTA50BT User Manual

Thank you for purchasing the Dayton Audio HTA50BT Hybrid Stereo Tube Amplifier. The tube preamp stage imparts a warm, natural sound quality while the solid state power amp offers superb audio fidelity and efficiency. Multiple input options including streaming audio from USB devices are available, and Bluetooth 5.0 provides refined wireless streaming from your mobile devices.

Features:

- 25W per channel RMS x2 into a 4 ohm load
- Built-in USB DAC for streaming digital media
- Bluetooth 5.0 wireless connectivity
- Doubles as a high fidelity headphone amplifier
- RCA mono subwoofer output
- Brushed aluminum housing lends a clean, modern look
- Wide variety of audio input options
- Short circuit protection circuitry

Top Panel:

1. **Source Indicator**
2. **Source Selector**
3. **Play/Pause**
4. **Previous Track**
5. **Next Track**

Front Panel:

6. **Volume Control**

Rear Panel:

7. **Bluetooth Antenna**

Turn this antenna to a vertical position prior to using the Bluetooth feature of the amplifier.

8. **PC-USB**
9. **AUX 2 Input**
10. **AUX 1 Input**
11. **Coaxial**
12. **Optical**
13. **Headphone Output**

The HTA50BT doubles as a headphone amplifier that will easily drive most headphones to deliver a colossal sound stage and effortless dynamic range. The 1/8" stereo jack allows the connection of most headphones.

Note: When headphones are plugged into the headphone jack, the speaker output connections are disengaged.

14. **Subwoofer Output**
15. **Front Left Speaker Connection**

The speaker output connections utilize high quality binding posts which are color coded for easy polarity identification. The binding posts will accept banana plugs or bare wire up to 14AWG.

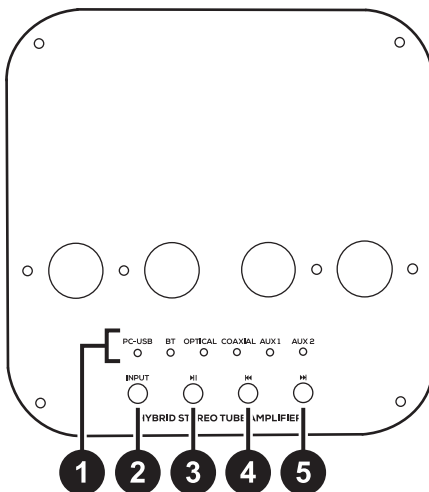
16. **Front Right Speaker Connection**

The speaker output connections utilize high quality binding posts which are color coded for easy polarity identification. The binding posts will accept banana plugs or bare wire up to 14AWG.

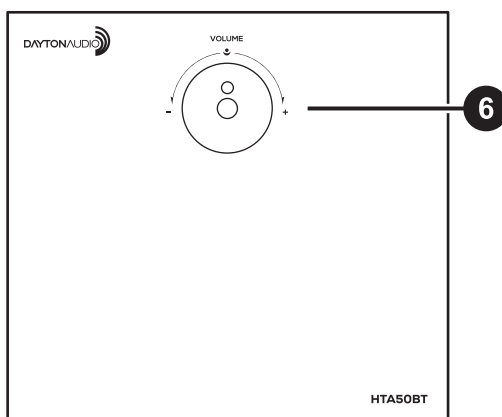
17. **AC Power Connection**
18. **Input Voltage Selector**

The voltage selector switch allows the user to change the input voltage for the amplifier based on their region's voltage.

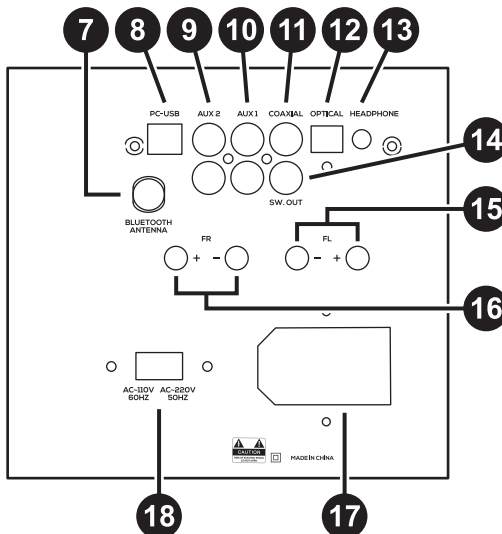
Top Panel



Front Panel



Rear Panel



Specifications:

| | |
|-----------------------------------|---|
| Power Output: | 25 watts RMS x 2 into 4 ohms |
| Minimum Speaker Impedance: | 4 ohm |
| Frequency Response: | 20-20,000 Hz, ± 2 dB |
| Channel Separation: | 80 dB |
| Dynamic Range: | >83 dB |
| Signal-to-Noise Ratio: | >85 dB |
| Preamplifier Tubes: | 6K4 x 2, 6UI x 2 |
| Headphone Amp Output: | 30 mW @ 600 ohms; 20 mW @ 300 ohms; 15 mW @ 32 ohms; 10 mW @ 16 ohms (maximum @ 1 kHz, <1% THD+N) |
| Bluetooth Version: | 5.0 |
| Input Impedance: | 47k ohms (minimum) |
| Input Sensitivity: | 500 mV |
| Dimensions: | 6.3" H x 7.5" W x 9.2" D |
| Weight: | 6.6 lbs |

Important Safety Instructions

To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified personnel. To reduce the risk of fire and shock do not expose unit to rain or moisture. The unit should be connected to an earth grounded AC electrical socket. The unit should be operated in a well ventilated area. Minimum clearance is 2 inches from the ventilation openings.



5-Year Limited Warranty

See daytonaudio.com for details



daytonaudio.com
tel + 937.743.8248
info@daytonaudio.com

705 Pleasant Valley Dr.
Springboro, OH 45066
USA

