



HYBRID STEREO TUBE AMPLIFIER

Model: HTA100BT User Manual

Thank you for purchasing the Dayton Audio HTA100BT 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 USB media playback are available, and Bluetooth 5.0 provides refined wireless streaming from your mobile devices.

Features:

- 50W per channel RMS into each channel at a 4 ohm load
- Audiophile quality sound with less than 0.5% THD @ 50W
- Bluetooth 5.0 wireless connectivity
- RCA mono subwoofer output
- Brushed aluminum housing lends a clean, modern look
- Short circuit protection circuitry

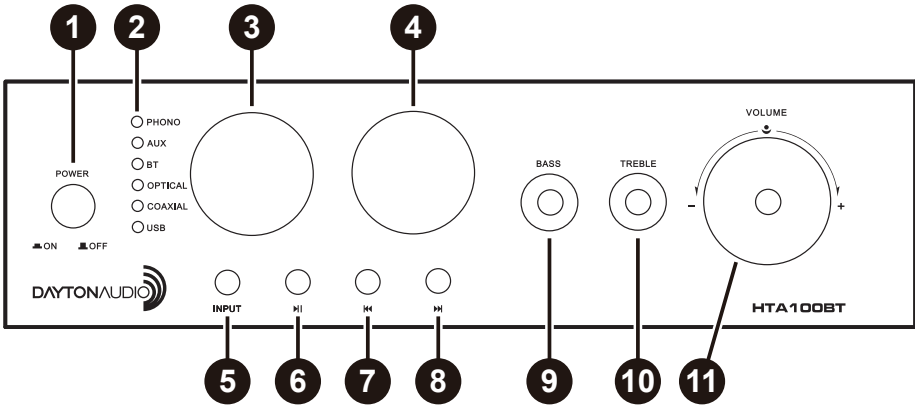
Front Panel:

1. Power
2. Source
3. VU Meter for left channel
4. VU Meter for right channel
5. Input selector
6. Play/Pause
7. Previous track
8. Next track
9. Bass
10. Treble
11. Volume control

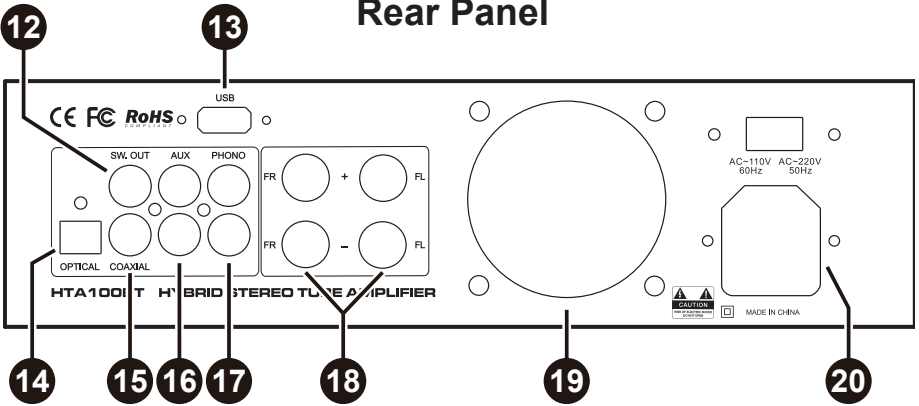
Rear Panel:

12. Subwoofer output
13. USB port
14. Optical
15. Coaxial
16. AUX 1 input
17. Phono
18. Speaker outputs
19. Cooling fan
20. Power input

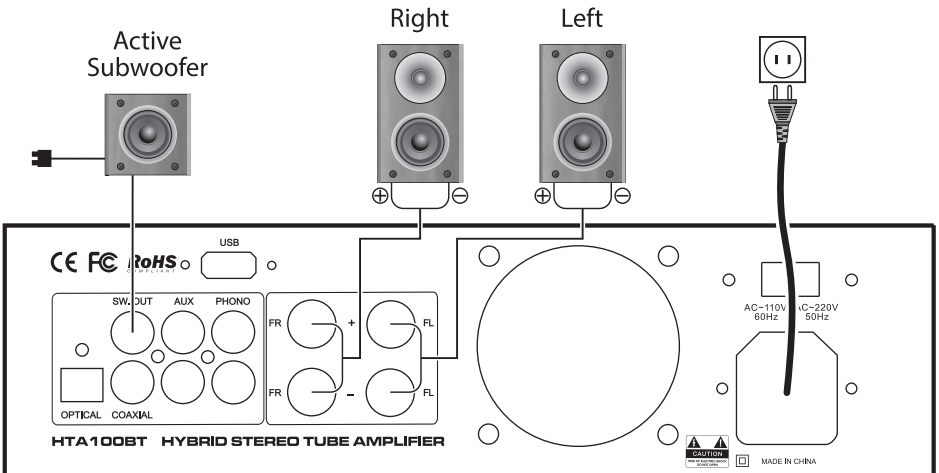
Front Panel



Rear Panel



Typical Connection



Specifications:

Power Output:	50 watts RMS x 2 into 4 ohms
Total Harmonic Distortion:	0.5% @ 50W per channel
Minimum Speaker Impedance:	4 ohm
Frequency Response:	20-20,000 Hz, ± 2 dB
Channel Separation:	50 dB
Signal to Noise Ratio:	>80 dB
Media Playback File Support:	FLAC, WAV, APE, WMA, MP3
Digital Audio DAC SNR:	96 dB
Digital Audio DAC Sample Rate:	Up to 16-bit/48kHz
Preamplifier Tube:	6U1 x2 6F2 x2
Transistors:	Toshiba A1941 x 2, Toshiba C5198 x 2
Bluetooth Version:	5.0
Input Impedance:	47k ohms (minimum)
Input Sensitivity:	350 mV
Switching Voltage:	110V/220V
Dimensions:	6.6" H x 11.5" W x 10.6" D
Weight:	11 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.



FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 - (a) This device may not cause harmful interference.
 - (b) This device must accept any interference received, including interference that may cause undesired operation.
2. FCC Radiation Exposure Statement: Mobile device.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

5-Year Limited Warranty

See daytonaudio.com for details



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