



CLASS D MINI AMPLIFIER 60 WPC WITH BLUETOOTH

Model: DTA-120BT User Manual



Thank you for purchasing the Dayton Audio DTA-120BT Class D Digital Audio Power Amplifier. Class D amplifiers offer the audio fidelity of a Class AB amplifier while providing up to 90% power efficiency. Bluetooth connectivity adds the convenience of wireless streaming from your favorite mobile devices.

Features:

- 60W per channel RMS (120W total) into a 4 ohm load
- Audiophile quality sound with less than 0.01% THD @ 40W
- Bluetooth 4.2 with aptX technology
- 1/4" headphone jack allows the unit to double as a high fidelity headphone amplifier
- Convenient front-mounted 3.5 mm input for quick connection of portable audio devices
- Compact extruded aluminum housing with thick black anodized faceplate
- Rear mounted RCA-type input for long-term connection of larger audio devices
- Short circuit, thermal, and overload protection

Front Panel:

1. Power / Pairing LED

Blue LED indicates the unit is receiving power and is operational, this LED also indicates the pairing status for Bluetooth.

2. Power / Volume Control

This control knob turns the unit on or off, and adjusts the volume level of the amplifier.

3. Headphone Jack

The DTA-120BT is also a headphone amplifier that will drive most headphones. The 1/4" stereo jack allows connection of most headphones. An adapter is provided so headphones with a 3.5 mm connector can be used.

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

4. Pair Button

Use this button to pair (and unpair) devices for Bluetooth audio streaming. When the amp is turned on, it will automatically be in the pairing mode, as indicated by the power LED flashing slowly. At this time, you can pair the DTA-120BT by selecting it in the Bluetooth menu of your mobile device. To unpair and connect to a different mobile device, press the PAIR button on the DTA-120BT to re-enter pairing mode. When initially powered on, the DTA-120BT will attempt to connect to the first available device that has been previously paired. Bluetooth connection will take priority over any other input source.

5. 3.5 mm Audio Input

The unit features a convenient front mounted 3.5 mm stereo input for quick connection of iPods, MP3 players, and other portable audio devices. A 3.5 mm cable is included.

Note: When a device is plugged into the 3.5 mm input, the rear mounted RCA input jacks are disabled. This allows you to permanently connect a device to the rear RCA inputs, and switch to a portable device by simply plugging into the front mounted input.

Rear Panel:

6. Bluetooth Antenna

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

7. Power Connection

The DTA-120BT includes a universally compatible (100V-240V) switch mode power supply which is furnished with a U.S.A. style cord. To operate in other countries an appropriate power cord will need to be purchased.

Note: If an inappropriate power supply is used and the unit is damaged, the warranty will be voided.

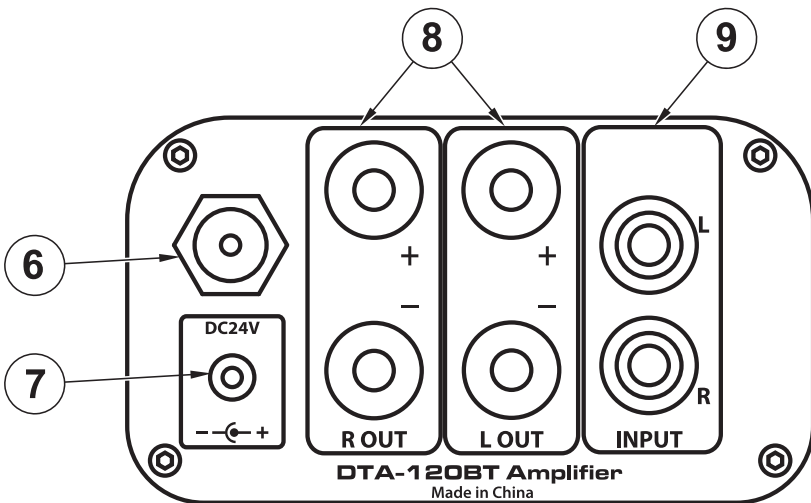
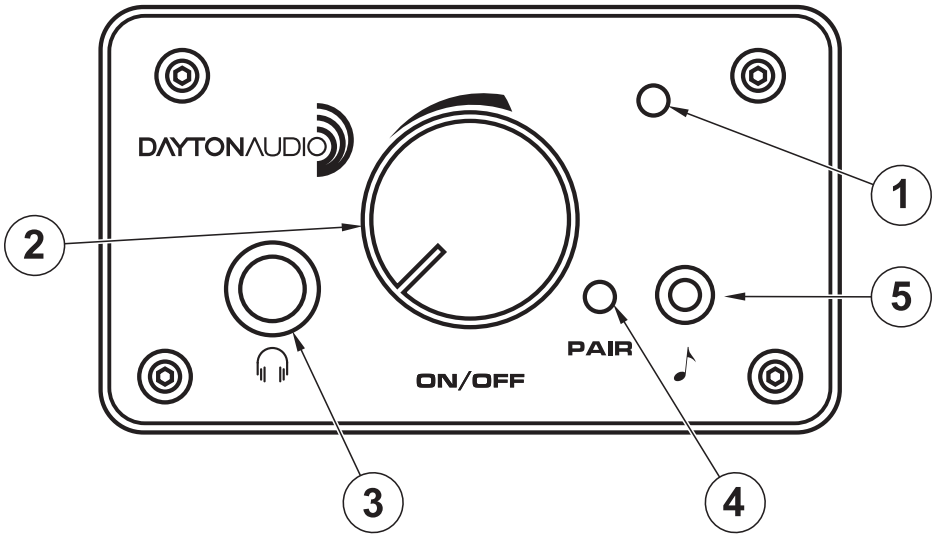
8. Speaker Outputs

The speaker output connections utilize high current binding posts that are color coded for easy polarity identification. High quality screw-on banana plugs that will accept 12AWG-18AWG wire are included.

9. RCA-Type Audio Input

RCA-type line level input for permanent connection of larger devices such as CD and DVD players. An RCA to 3.5 mm adapter is also provided for added connection flexibility. Note: When a device is plugged into the front mounted 3.5 mm input, the RCA input jacks are disengaged

Front Panel



Rear Panel

Specifications:

Power Output:	60 watts RMS x 2 into 4 ohms
Total Harmonic Distortion:	<0.1% @ 1W per channel <10% @ 60W per channel
Minimum Speaker Impedance:	4 ohm
Bluetooth Version:	4.2 with aptX
Signal-to-Noise Ratio:	103 dB, A weighted
Input Impedance:	10k ohms (minimum)
Input Sensitivity:	680 mV
Frequency Response:	20-20,000 Hz
Channel Separation:	95 dB
Efficiency:	>85%
Dynamic Range:	>100 dB
Electrical Requirement:	24VDC @ 5A center positive
Dimensions:	2" H x 3.375" W x 6.875" D
Weight:	1.2 lbs

Package Contents:

- DTA-120BT 120W Digital Class D Amplifier
- World compatible 24V@5A switching power supply
- 2 sets of screw-type banana plugs for speaker connection
- 3.5 mm to 1/4" headphone adapter
- 3.5 mm to 2 RCA "Y" cable
- 6" 3.5 mm audio cable

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

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