



CLASS D MINI AMPLIFIER 60WPC WITH BLUETOOTH

Model: DTA-120BT2 User Manual



Thank you for purchasing the Dayton Audio DTA-120BT2 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
- Bluetooth 4.2 with aptX technology
- 1/4" headphone jack allows the unit to double as a 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. Pairing LED

Blue LED 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-120BT2 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. Pairing Button

- Power on the DTA-120BT2 and press to activate pairing mode.
- Pairing mode is active when the pairing LED is flashing slowly.
- After 2 minutes if no device is paired, the Bluetooth function will power off and LED will stop flashing.
- To connect to a different Bluetooth source or disconnect from the current Bluetooth device press the pair button.
- The DTA-120BT2 will auto-connect to the closest available device previously paired.
- Bluetooth connection takes priority, disconnect Bluetooth to use the 3.5 mm or RCA inputs.

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.

Note: Disconnect the Bluetooth connection to use the 3.5 mm and RCA Aux inputs.

Rear Panel:

6. Bluetooth Antenna

Install the included antenna for best connection results.

7. Power Connection

Connect the power to the amplifier before plugging in the adapter to a power source.

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

8. Speaker Outputs

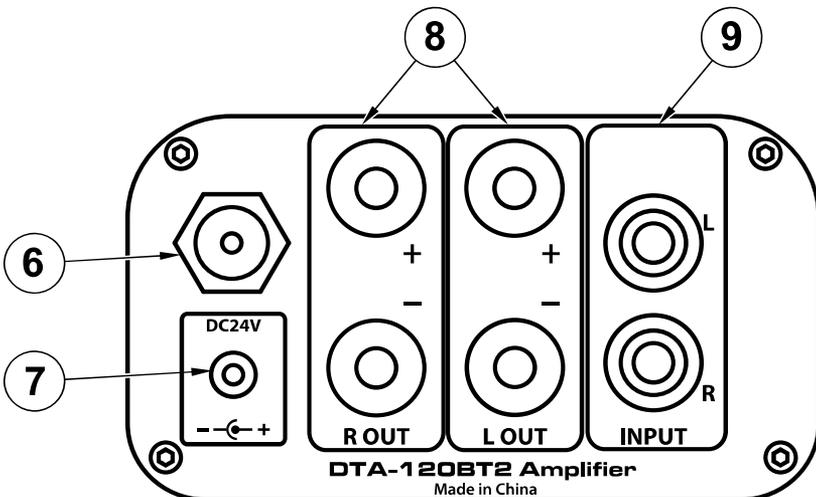
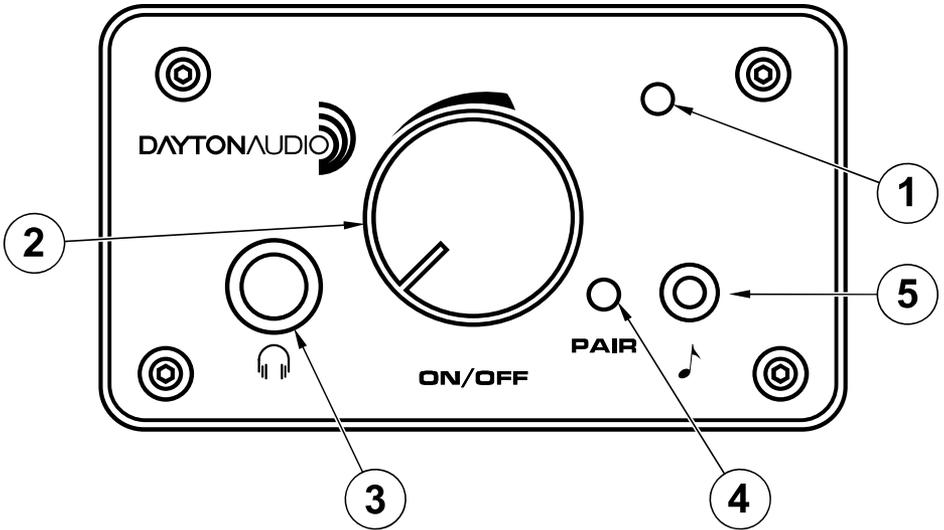
The speaker output connections utilize high current binding posts that are color coded for easy polarity identification. High quality screw-on banana plugs that will accept 12AWG-18AWG wire are included.

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.

Note: Disconnect the Bluetooth connection to use the 3.5 mm and RCA Aux inputs.

Front Panel



Rear Panel

Specifications:

Power Output:	60 watts RMS x 2 into 4 ohms
Total Harmonic Distortion:	<0.04% @ 1W per channel <2.5% @ 60W per channel
Minimum Speaker Impedance:	4 ohm
Bluetooth Version:	4.2 with aptX
Signal-to-Noise Ratio:	97.3 dB, A weighted
Input Impedance:	10k ohms (minimum)
Input Sensitivity:	630 mV
Frequency Response:	20-20,000 Hz +/- 0.8 dB
Channel Separation:	74 dB
Efficiency:	>75%
Dynamic Range:	>100 dB
Electrical Requirement:	24VDC @ 5A
Dimensions:	2" H x 3.375" W x 6.875" D
Weight:	1.2 lbs

Package Contents:

- DTA-120BT2 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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