

## Dayton Audio DTA-PRO

# Dayton Audio DTA-PRO 100W Class D Bluetooth Amplifier User Manual

Model: DTA-PRO

## INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Dayton Audio DTA-PRO 100W Class D Bluetooth Amplifier. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your audio experience.



Image: Angled front view of the Dayton Audio DTA-PRO amplifier, showcasing its compact design and front panel controls.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- Dayton Audio DTA-PRO Amplifier
- IR Remote Control
- Power Adapter (24V, 5A recommended for full performance)
- Power Cord
- Bluetooth Antenna



Image: The DTA-PRO amplifier, remote control, power adapter, power cord, and Bluetooth antenna included in the package.

**Note:**

The included power supply is capable of driving this amplifier at 2 x 40 watts per channel. To achieve the full potential of this amplifier (>50 watts per channel), a 24V 5A power supply capable of producing 120 watts of total output is recommended.

## SETUP

### 1. Connect Speakers

Connect your passive speakers to the speaker terminals on the rear panel of the DTA-PRO. Ensure correct polarity (+ to + and - to -) for each channel (Left and Right).



Image: Rear panel connections, including speaker terminals for left and right channels, and the power input.

### 2. Connect Audio Sources

The DTA-PRO offers multiple input options:

- **Bluetooth:** For wireless audio streaming from compatible devices.
- **AUX (3.5mm):** Connect devices with a 3.5mm audio output.
- **Optical:** For digital audio input from TVs, game consoles, etc.
- **Coaxial:** Another digital audio input option.
- **PC-USB:** Connect to a computer for use as an external DAC.

Connect your desired audio source cables to the corresponding input ports on the rear panel.



Image: Close-up of the rear panel showing AUX, Optical, Coaxial, and PC-USB input ports.

### 3. Connect Subwoofer (Optional)

If using an active subwoofer, connect it to the "SUB OUT" port on the rear panel.

### 4. Attach Bluetooth Antenna

Screw the included Bluetooth antenna onto the "ANT" connector on the rear panel for optimal wireless reception.

### 5. Connect Power

Connect the power adapter to the "DC 24V" input on the rear panel, then plug the power cord into a wall outlet.

## OPERATING INSTRUCTIONS

### Power On/Off

Press the **ON/OFF** button on the front panel or the power button on the remote control to turn the amplifier on or off.



Image: Front panel of the DTA-PRO, showing the volume knob, input select button, and power button.

### Input Selection

Press the **SELECT** button on the front panel or the **INPUT SELECT** button on the remote to cycle through available audio inputs (Bluetooth, AUX, Optical, Coaxial, PC-USB). The active input will be displayed on the front panel screen.

### Volume Control

Rotate the large knob on the front panel or use the **VOL+** / **VOL-** buttons on the remote control to adjust the volume level.

### Tone Controls and EQ

Use the remote control to access tone adjustments:

- **BASS/TREBLE:** Adjust bass and treble levels.
- **EQ:** Cycle through preset equalizer settings.
- **LOUDNESS:** Engages or disengages loudness compensation for enhanced bass and treble at low volumes.
- **DIRECT:** Bypasses all tone controls for a pure audio signal.



Image: The infrared remote control for the DTA-PRO, showing buttons for power, volume, input select, EQ, bass/treble, loudness, and direct mode.

### Bluetooth Pairing

1. Select Bluetooth as the input source. The front display will indicate "BT".
2. On your Bluetooth device, search for "Dayton Audio DTA-PRO" and select it to pair.
3. Once paired, the display will show a stable Bluetooth connection.

### DAC Sampling Rate Indication

The front panel features indicator LEDs that display the sampling rate of the incoming digital audio signal (e.g., 44.1K, 48K, 88.2K, 96K, 176.4K, 192K).

### MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure the amplifier has adequate ventilation. Do not block the ventilation openings.
- **Environment:** Avoid exposing the unit to extreme temperatures, humidity, or direct sunlight.
- **Power:** Disconnect the power supply if the unit will not be used for an extended period.

### TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power	Power cord not connected; power outlet not active; unit off.	Check power connections; try a different outlet; press power button.
No sound	Incorrect input selected; volume too low; speaker wires disconnected; source device not playing.	Select correct input; increase volume; check speaker connections; verify source playback.
Distorted sound	Volume too high; poor source quality; incorrect speaker impedance.	Reduce volume; try a different source; ensure speakers are compatible.
Bluetooth not connecting	Amplifier not in pairing mode; device too far; interference.	Ensure BT input is selected; move device closer; restart amplifier and device.
Humming noise	Ground loop issue; faulty cable; proximity to other electronics.	Try isolating power; use shielded cables; move away from interference sources.
Optical input not working / static noise	Faulty optical cable; incorrect source settings; amplifier issue.	Check optical cable connection and integrity; ensure source device is outputting optical audio; try a different optical cable.
Right channel audio intermittent or dead	Loose speaker connection; faulty speaker; internal amplifier issue.	Verify speaker wire connections; test with a different speaker; if problem persists, contact support.

## SPECIFICATIONS

- **Brand:** Dayton Audio
- **Model:** DTA-PRO
- **Output Power:** 50 Watts per channel (with recommended 24V 5A power supply)
- **Number of Channels:** 2
- **Input Options:** Bluetooth, 3.5mm AUX, Optical, Coaxial, PC-USB
- **DAC Sampling Rate:** Up to 192 kHz/24-bit
- **Item Dimensions (L x W x H):** 5 x 5.2 x 1.3 inches (12.7 x 13.2 x 3.3 cm)
- **Item Weight:** 2.9 pounds (1.3 kg)
- **Voltage:** 32 Volts, 70 Volts (Internal components, external power supply 24V DC)
- **Mounting Type:** Surface Mount
- **Specification Met:** FCC
- **UPC:** 848791005312
- **Date First Available:** January 14, 2019

## WARRANTY INFORMATION

For specific warranty details, please refer to the warranty card included with your product or visit the official Dayton Audio website. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

## SUPPORT

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If you encounter any issues not covered in this manual or require further assistance, please contact Dayton Audio customer support. You can find contact information on the official Dayton Audio website:

[www.daytonaudio.com](http://www.daytonaudio.com)