Dayton Audio SUB-800

Dayton Audio SUB-800 8" Powered Subwoofer Instruction Manual

Brand: Dayton Audio | Model: SUB-800

1. Introduction

The Dayton Audio SUB-800 8" Powered Subwoofer is engineered to deliver powerful, clean bass, making it an ideal addition to any home theater or listening room. Its design focuses on enhancing low-frequency effects without overwhelming the overall audio experience. Key features include a downward-firing flared port, a heavy-duty long-throw 8" woofer, and a selectable auto-on mode, all housed in an unobtrusive textured black vinyl finish.



Figure 1: Front view of the Dayton Audio SUB-800 8" Powered Subwoofer with its protective grille.



Figure 2: Front view of the Dayton Audio SUB-800 8" Powered Subwoofer with the grille removed, revealing the long-throw woofer.

2. Setup Guide

2.1 Unpacking and Contents

Carefully remove the subwoofer from its packaging. Ensure all packing materials are retained for future transport or storage. The package should contain the Dayton Audio SUB-800 8" Powered Subwoofer unit.

2.2 Placement

Optimal subwoofer placement can significantly impact sound quality. Experiment with different locations in your room. Generally, placing the subwoofer in a corner or near your main speakers can enhance bass response. Consider the room acoustics and your listening position.



Figure 3: Example placement of the Dayton Audio SUB-800 8" Powered Subwoofer in a home theater setup.

2.3 Connections

The SUB-800 offers both line-level and high-level input/output options for versatile integration into your audio system. Refer to Figure 4 for a visual guide to the rear panel controls and connections.



Figure 4: Rear panel of the Dayton Audio SUB-800 8" Powered Subwoofer, detailing connection points and controls.

2.3.1 Line Level Inputs (1)

Connect pre-out or preamplifier outputs directly to the subwoofer amplifier's internal crossover using RCA cables. These inputs are summed to mono. This is the preferred connection method. If you have a mono LFE (Low-Frequency Effects) output from a "Pro-Logic" or "Dolby Digital" receiver, use the right (red) input. If using an LFE mono output, set the crossover point to maximum.

2.3.2 High Level Inputs (2)

If preamplifier outputs are not available, use the high-level (speaker) inputs. Connect these directly to your main amplifier's speaker outputs by inserting speaker wire into the terminals.

2.3.3 High Level Outputs (3)

These outputs can be used to connect to main speakers or to another powered subwoofer with high-level inputs. Note that high-level outputs are paralleled to the high-level inputs with no high-pass filter applied.

2.3.4 Power Connection

Connect the subwoofer's power cord to a standard 120 VAC, 60 Hz electrical outlet.

2.4 Initial Settings

After connecting, adjust the following controls on the rear panel for initial setup:

- **Crossover Frequency Control (4):** Continuously variable from 40 Hz to 140 Hz at 12 dB/octave. Set this control to blend the subwoofer's output seamlessly with your main speakers. A common starting point is between 60-80 Hz. If using an LFE mono output, set the crossover point to maximum.
- **Gain Control (5):** Adjusts the output level of the subwoofer. Set the level so that the bass frequencies blend naturally with your other speakers. Avoid setting the level too high, which can result in a "boomy" sound.
- **Phase Switch (6):** Selectable between 0° and 180°. This switch helps optimize subwoofer placement and integration with your main speakers. The correct position will provide the most apparent and impactful bass output.
- **Power Switch (Auto On/Off) (7):** In the "Auto" position, the amplifier will automatically turn on when an audio signal is detected. The power LED will be red in standby and turn green when active.

Your browser does not support the video tag.

Video 1: A seller-provided video demonstrating how to set up a home theater system with a subwoofer, including connection types and basic adjustments.

3. Operating Instructions

3.1 Power On/Off

Use the Power Switch (7) on the rear panel to select between "On," "Auto," or "Off." In "Auto" mode, the subwoofer will power on automatically when an audio signal is present and enter standby when no signal is detected for a period.

3.2 Adjusting Sound

Fine-tune the sound to your preference using the Crossover Frequency Control (4), Gain Control (5), and Phase Switch (6). These controls allow you to integrate the subwoofer's bass output seamlessly with your main speakers and room acoustics.

4. Maintenance

To ensure the longevity and optimal performance of your Dayton Audio SUB-800 subwoofer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the cabinet. Avoid using abrasive cleaners, waxes, or solvents.
- **Ventilation:** Ensure adequate ventilation around the amplifier panel to prevent overheating. Do not block any vents.
- **Environment:** Avoid exposing the subwoofer to extreme temperatures, humidity, or direct sunlight.
- **Power:** Disconnect the power cord from the wall outlet if the unit will be unused for an extended period.

5. Troubleshooting

If you encounter issues with your Dayton Audio SUB-800, refer to the following common troubleshooting steps:

- **No Power:** Check if the power cord is securely plugged into both the subwoofer and the wall outlet. Ensure the power switch is in the "On" or "Auto" position. Verify the wall outlet is functioning.
- **No Sound:** Confirm that all audio cables are securely connected. Check the source device for proper output. Adjust the Gain Control (5) on the subwoofer. Ensure the subwoofer's power LED is green (active).
- **Distorted Sound:** Lower the Gain Control (5). Check your source audio for distortion. Ensure the subwoofer is not placed in a location that causes excessive resonance or vibration.
- **Auto-On Not Functioning:** Increase the output level from your source device. The auto-on feature requires a sufficient input signal to activate.

6. Specifications

Feature	Specification
Mounting Type	Floor Standing
Material	Wood
Model Name	SUB-800
Speaker Type	Subwoofer
Special Feature	Bass Boost
Recommended Uses For Product	For Home Theater Systems, For Televisions, For Music Players
Compatible Devices	Desktop, Television, Projector, Laptop
Subwoofer Diameter	8 Inches
Surround Sound Channel Configuration	5.1
Color	Black
Included Components	Speaker
Product Dimensions	15.75"D x 25"W x 6"H
Item Weight	10.52 Kilograms (23.1 pounds)
Is Waterproof	FALSE
Warranty Type	Limited
Number of Items	1
Control Method	Remote (Note: Remote not included, refers to system remote control)
Wireless Communication Technology	No Wireless Communication Technology
Speaker Size	8 Inches
Power Source	120 VAC, 60 Hz
Woofer Diameter	8 Inches
Water Resistance Level	Not Water Resistant
Customer Package Type	Standard Packaging
Audio Driver Type	Dynamic Driver
Audio Driver Size	8 Inches
Subwoofer Connectivity Technology	Wired
Number of Power Levels	1
Specific Uses For Product	Home entertainment (home theater, listening rooms)

UPC	844632094095
Global Trade Identification Number	00844632094095
Manufacturer	Dayton Audio
Shape	Square
ASIN	B0063NU30K
Item model number	SUB-800
Date First Available	November 5, 2011
Speaker Maximum Output Power	80 Watts
Connectivity Technology	RCA
Audio Output Mode	Stereo
Input Voltage	120 Volts



Figure 5: Dimensions of the Dayton Audio SUB-800 8" Powered Subwoofer.

7. Warranty & Support

7.1 Warranty Information

The Dayton Audio SUB-800 8" Powered Subwoofer comes with a Limited Warranty. Please refer to the warranty documentation included with your product for specific terms and conditions regarding coverage and duration.

7.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please visit the official Dayton Audio website or contact their customer support directly. Contact information can typically be found on the manufacturer's website or in the product packaging.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question