Definitive Technology DN10

Definitive Technology Descend DN10 10-inch Subwoofer User Manual

Model: DN10 (DNSUB10WT)

1. Introduction

This manual provides essential information for the proper setup, operation, and maintenance of your Definitive Technology Descend DN10 10-inch Subwoofer. The DN10 features 3XR Architecture, a 10-inch driver, and two pressure-coupled 10-inch bass radiators, designed to deliver clear and impactful low-frequency sound for both movies and music.
Please read these instructions thoroughly before connecting or operating your subwoofer to ensure optimal performance and safety.



Figure 1: Front view of the Definitive Technology Descend DN10 10-inch Subwoofer in white.

2. Important Safety Instructions

- Read all instructions before operating the product.
- Keep these instructions for future reference.
- Heed all warnings on the product and in the instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider

than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

3. What's in the Box

Upon unpacking your Definitive Technology Descend DN10 Subwoofer, please ensure all the following items are present:

- Definitive Technology Descend DN10 Subwoofer
- Power Cord
- Quick Start Guide
- Registration Card

4. Setup

4.1 Placement

The placement of your subwoofer significantly impacts its performance. For optimal bass response, consider placing the subwoofer in a corner of the room or along a wall. Experiment with different locations to find the best sound for your listening environment. Ensure there is adequate ventilation around the unit.



Figure 2: Example placement of the DN10 Subwoofer in a home theater environment.

4.2 Connections

The Descend DN10 offers versatile connection options to integrate with most home theater systems.

1. **LFE Input:** For receivers or processors with a dedicated LFE (Low-Frequency Effects) output, connect a single RCA cable (not included) from the LFE output of your receiver to the LFE input on the subwoofer. This bypasses the subwoofer's internal low-pass filter.
2. **Stereo Line Level RCA Inputs:** For receivers or pre-amplifiers without a dedicated LFE output, connect stereo RCA cables (not included) from the pre-out or subwoofer output of your receiver to the LEFT and RIGHT RCA inputs on the subwoofer. In this configuration, the subwoofer's low-pass filter will be active.

4.3 Power Connection

After making all audio connections, connect the supplied power cord to the AC power inlet on the subwoofer's rear panel, then plug the other end into a suitable wall outlet. Ensure the power switch is in the 'Off' position before connecting to power.



Figure 3: Rear panel connections and controls of the Descend DN10 Subwoofer.

5. Operating the Subwoofer

5.1 Power On/Off

The subwoofer features a power toggle switch on the rear panel. You can set it to:

- **Auto On/Off:** The subwoofer will automatically turn on when an audio signal is detected and enter standby mode after a period of inactivity.
- **DC Control:** For integration with other home theater equipment that supports DC trigger control.
- **On/Off:** Manual power control.

5.2 Adjusting Controls

The rear panel (refer to Figure 3) provides controls for fine-tuning the subwoofer's performance:

- **Volume:** Adjusts the overall output level of the subwoofer. Start with a moderate setting and adjust to blend with your main speakers.
- **Low-Pass Filter:** Controls the upper frequency limit of the subwoofer's output. This is crucial for seamless integration with your main speakers. If using the LFE input, this control is typically bypassed, and the crossover is managed by your receiver.
- **Phase Control (0/180°):** Adjusts the phase of the subwoofer's output relative to your main speakers. Experiment with both settings to find the one that provides the most coherent and impactful bass.

5.3 Initial Calibration

For optimal performance, it is recommended to calibrate your subwoofer with your audio system. Many AV receivers include automatic room correction systems (e.g., Audyssey, YPAO, MCACC) that can assist in this process. Follow your receiver's instructions for running its calibration routine after connecting the subwoofer.

6. Maintenance

To maintain the appearance and performance of your Descend DN10 Subwoofer:

- **Cleaning:** Use a soft, dry cloth to clean the cabinet. Avoid using harsh chemicals, solvents, or abrasive cleaners, as they may damage the finish.
- **Ventilation:** Ensure that the subwoofer's ventilation openings are not blocked to prevent overheating.
- **Storage:** If storing the subwoofer for an extended period, keep it in a cool, dry place, away from direct sunlight and extreme temperatures.

7. Troubleshooting

If you encounter issues with your subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from subwoofer	Power cord not connected; Power switch off; No audio signal; Volume too low; Incorrect input selected on receiver.	Check power connections; Ensure power switch is ON or in AUTO mode; Verify audio cable connections; Increase subwoofer volume; Confirm receiver settings.
Distorted or boomy bass	Volume too high; Incorrect phase setting; Improper low-pass filter setting; Poor room acoustics.	Reduce subwoofer volume; Experiment with 0° and 180° phase settings; Adjust low-pass filter for smoother blend; Consider room treatment or repositioning.
Subwoofer does not turn on automatically	Power switch not in AUTO mode; Insufficient input signal.	Set power switch to AUTO; Increase receiver's subwoofer output level or subwoofer's volume.

8. Specifications

The following are the technical specifications for the Definitive Technology Descend DN10 Subwoofer:

Feature	Specification
Model Name	DNSUB10WT
Speaker Type	Subwoofer
Subwoofer Diameter	10 Inches
Speaker Maximum Output Power	500 Watts (Peak Class D Amplifier)
Frequency Response	As low as 28Hz (typical operation)
Connectivity Technology	Wired (LFE, Stereo RCA)
Product Dimensions (H x W x D)	17.1 x 16 x 16.8 inches (approx.)
Item Weight	52.6 pounds
Material	Wood
Color	White
UPC	747192132613



Figure 4: Dimensions of the Descend DN10 Subwoofer.

9. Warranty Information

The Definitive Technology Descend DN10 Subwoofer comes with a limited warranty. Please refer to the included Registration Card or visit the official Definitive Technology website for detailed warranty terms and conditions specific to your region and purchase date.

10. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Definitive Technology customer support. Contact information can typically be found on the official Definitive Technology website or on your product's registration card.
Online resources, including FAQs and additional support documents, may also be available on the manufacturer's website.

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

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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