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Definitive Technology DM80

Definitive Technology Dymension DM80 Flagship Tower Speaker User Manual

Model: DM80

1. Introduction

The Definitive Technology Dymension DM80 is a flagship tower speaker designed to deliver high-fidelity audio for home theater systems. It features fully balanced, adjustable bipolar arrays, four 5.25-inch BDSS mid/bass woofers, and a built-in 12-inch powered subwoofer with 3XR Architecture. This manual provides essential information for the proper setup, operation, and maintenance of your DM80 speaker.



Image 1.1: Front view of the Definitive Technology Dymension DM80 Flagship Tower Speaker.

2. Safety Instructions

- Read all instructions before operating the speaker.
- Retain this manual for future reference.

- Do not expose the speaker to moisture, rain, or extreme temperatures.
- Ensure proper ventilation around the speaker to prevent overheating.
- Disconnect the power cord during lightning storms or when unused for long periods.
- Refer all servicing to qualified service personnel.
- Do not block any ventilation openings.
- Use only attachments/accessories specified by the manufacturer.

3. Unpacking and Package Contents

Carefully remove the speaker from its packaging. Inspect for any damage during transit. If any damage is observed, contact your dealer immediately.

Package Contents:

- Definitive Technology Dymension DM80 Tower Speaker (1 unit)
- Cabinet foot spikes/pads
- Power Cord
- User Manual (this document)

4. Setup

4.1 Speaker Placement

Optimal placement of the DM80 speakers is crucial for achieving the best sound performance. The DM80 features fully balanced bipolar arrays that can be adjusted to optimize for room placement.

- **Stereo Setup:** Place the speakers equidistant from your primary listening position, forming an equilateral triangle.
- **Home Theater Setup:** Position the DM80s as your front left and right channels. Ensure they are placed symmetrically relative to your display.
- **Near-Wall Placement:** If placing the speakers close to a wall, utilize the rear-array attenuation switch located on the back panel to adjust the output and prevent excessive bass buildup.
- **Leveling:** Use the included cabinet foot spikes or pads to level the speaker on any floor surface, ensuring stability and optimal acoustic coupling.



Image 4.1: Example of DM80 speaker placement in a home environment.

4.2 Connections

Before making any connections, ensure all audio equipment is turned off and unplugged from the power outlet.

1. **Speaker Wire Connection:** Connect your amplifier's speaker outputs to the corresponding binding posts on the DM80. Ensure positive (+) terminals are connected to positive and negative (-) to negative for correct phase.
2. **Power Connection:** Plug the included power cord into the AC inlet on the back of the speaker, then into a wall outlet. The integrated 12-inch powered subwoofer requires power.
3. **Optional DM90 Height Module:** For Dolby Atmos/DTS:X overhead effects, the DM80 is compatible with the DM90 Height Module (sold separately). Refer to the DM90 manual for installation and connection instructions.



Image 4.2: Rear panel connections and controls of the DM80 speaker.

5. Operating Instructions

Once properly set up and connected, your DM80 speaker is ready for use.

- **Power On/Off:** The speaker will typically power on automatically when an audio signal is detected. A power

switch may also be present on the rear panel.

- **Intelligent Bass Control:** The patented Intelligent Bass Control system blends the subwoofer output seamlessly with the midrange and high frequencies, providing deep bass performance without overpowering the overall sound.
- **Linear Response Waveguide:** The patented Linear Response Waveguide extends off-axis dispersion, contributing to a wide and immersive soundstage.
- **Volume Control:** Adjust the overall system volume using your amplifier or receiver. The integrated subwoofer's volume can often be fine-tuned via a control on the speaker's rear panel or through your receiver's settings.

6. Maintenance

- **Cleaning:** Dust the speaker cabinet with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or strong detergents, as these can damage the finish.
- **Grille Care:** The speaker grilles can be gently vacuumed with a soft brush attachment to remove dust.
- **Avoid Liquids:** Do not spill liquids on the speaker. If liquid enters the cabinet, immediately disconnect power and contact qualified service personnel.
- **Environmental Conditions:** Keep the speaker away from direct sunlight, heat sources, and excessive humidity.

7. Troubleshooting

Problem	Possible Cause	Solution
No sound from speaker	Power cord disconnected Amplifier/receiver not powered on or incorrect input selected Speaker wires incorrectly connected or loose	Ensure power cord is securely plugged into speaker and outlet. Verify amplifier/receiver is on and correct source is selected. Check all speaker wire connections for proper polarity and secure fit.
Distorted or unclear sound	Volume too high Poor source quality Incorrect amplifier settings	Reduce volume on amplifier/receiver. Try a different audio source. Check amplifier settings (e.g., EQ, crossover).
No bass or weak bass	Subwoofer power not connected Subwoofer level set too low Rear-array attenuation switch engaged unnecessarily	Ensure the speaker's power cord is connected and receiving power. Adjust the subwoofer level control on the speaker's rear panel or via your receiver. Check the rear-array attenuation switch; disengage if not needed for near-wall placement.
Red light blinking on rear panel	Indicates a potential issue with the integrated amplifier.	Unplug the speaker from power for 30 seconds, then plug it back in. If the issue persists, contact Definitive Technology customer support.

8. Specifications

Feature	Detail
Model Name	DM80
Speaker Type	Tower, Bipolar
Mid/Bass Woofers	4 x 5.25-inch BDSS
Subwoofer	Integrated 12-inch powered subwoofer
Subwoofer Amplifier Power	400 Watts (GaN FET)
Passive Radiators	2 x 3XR-optimized
Tweeters	Aluminum Oxide Dome
Architecture	3XR Architecture
Special Features	Adjustable Bipolar Arrays, Intelligent Bass Control, Linear Response Waveguide, Dolby Atmos/DTS:X Ready (with optional DM90)
Material	Aluminum (components)
Color	Black
Product Dimensions (D x W x H)	16" x 11.3" x 49.4"
Item Weight	99.2 pounds (45.1 kg)
Connectivity Technology	Wired (Speaker wire), Power Cord
Control Method	App (if connected to compatible system), Manual controls
Item Model Number	300570-01-00-101
UPC	747192137199

9. Warranty and Support

The Definitive Technology Dymension DM80 speaker comes with a limited warranty provided by the manufacturer. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Definitive Technology website.

Customer Support:

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Definitive Technology customer support.

- **Manufacturer:** Definitive Technology
- **Website:** www.definitivetechnology.com (Please visit the official website for contact information and support resources.)

Protection plans are also available for extended coverage. Please consult your retailer for details on available 2-Year or 3-Year protection plans.

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