Definitive Technology BP9020

Definitive Technology BP9020 Tower Speaker Instruction Manual

Model: BP9020

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1. Product Overview

The Definitive Technology BP9020 tower speaker is engineered to deliver high-resolution audio with a lifelike 3D soundstage for home entertainment systems. This speaker features Definitive's patented Forward-Focused Bipolar Technology, which utilizes both front and rear speaker arrays to maximize sound dispersion and create a wide, immersive soundstage.

Key components include a 1-inch aluminum dome tweeter, two 3.5-inch Balanced Double Surround System (BDSS) midrange drivers on the front, and an additional 3.5-inch BDSS midrange driver on the rear. An integrated 8-inch powered subwoofer with a bass reflex port provides deep, impactful bass, eliminating the need for a separate subwoofer in many setups. The speaker also includes Intelligent Bass Control for balanced low-frequency output.

The BP9020 is designed with a sleek aesthetic, supported by a sturdy cast aluminum base, and includes provisions for carpet spikes and floor glides to ensure stability. It features a built-in docking port for an optional A90 height speaker module (sold separately), allowing for seamless integration of Dolby Atmos and DTS:X surround sound configurations.

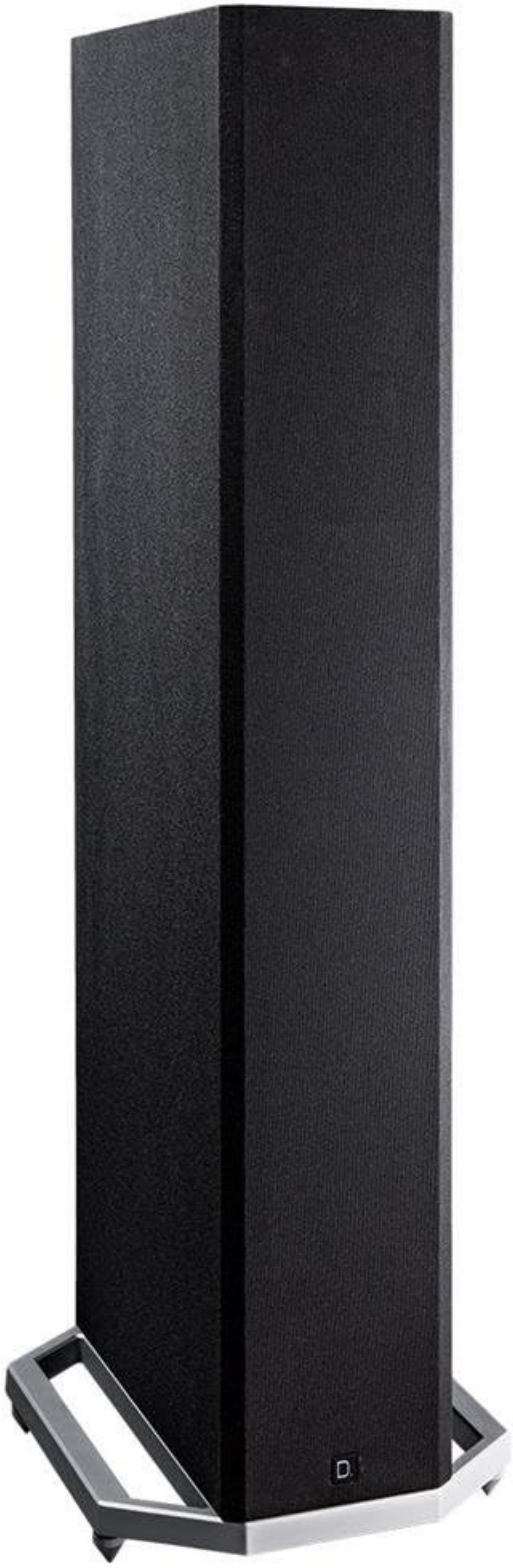


Figure 1.1: Definitive Technology BP9020 Tower Speaker, showcasing its sleek black design and stable base.

2. Important Safety Instructions

Please read all safety and operating instructions before operating your speaker. Retain these instructions for future reference.

- **Power Source:** Connect the speaker only to a power supply of the type described in the operating instructions or as marked on the appliance. Ensure the voltage matches your local power supply.
- **Power Cord Protection:** Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the appliance.

- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Ensure adequate space around the speaker for proper airflow.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Water and Moisture:** Do not use this apparatus near water (e.g., near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool).
- **Cleaning:** Clean only with a dry cloth. Do not use liquid cleaners or aerosol cleaners.
- **Object and Liquid Entry:** Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Do not expose this product to dripping or splashing.
- **Servicing:** Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- **Stability:** Ensure the speaker is placed on a stable, level surface to prevent tipping. Use the provided stabilizer base, carpet spikes, or floor glides as appropriate for your flooring.

3. Package Contents

Carefully unpack your Definitive Technology BP9020 speaker and verify that all the following items are included:

- One (1) Definitive Technology BP9020 Tower Loudspeaker
- One (1) 6.5-foot AC Power Cord
- One (1) Top-plate (pre-installed)
- One (1) Stabilizer Base
- Four (4) Floor Guides (for hard floors)
- Four (4) Carpet Spikes (for carpeted floors)

If any items are missing or damaged, please contact your dealer or Definitive Technology customer support immediately.

4. Setup Guide

4.1 Unpacking and Base Assembly

To safely unpack and assemble the base, it is recommended to open the box upside down. The speaker is well-protected with styrofoam blocks and cloth covers.

1. Carefully open the bottom flaps of the packaging box.
2. Invert the box so the speaker stands on its top, then lift the box off the speaker.
3. Attach the stabilizer base to the bottom of the speaker using the provided screws. Ensure it is securely fastened.
4. Depending on your flooring, screw in either the four floor guides (for hard surfaces) or the four carpet spikes (for carpeted surfaces) into the stabilizer base.
5. Carefully lift the speaker and place it upright in its desired location.



Figure 4.1: Dimensions of the BP9020 speaker, illustrating its height, width, and depth for placement planning.

4.2 Speaker Placement

Due to the Forward-Focused Bipolar Technology, the BP9020 offers greater placement flexibility compared to conventional speakers. For optimal performance, consider the following:

- **Stereo Pair:** For a stereo setup, place the speakers equidistant from your primary listening position, forming an equilateral triangle.
- **Distance from Walls:** While bipolar speakers are less sensitive to wall proximity, avoid placing them directly against

a wall. A few inches of clearance can enhance soundstage depth.

- **Room Acoustics:** Experiment with toe-in (angling the speakers slightly towards the listening position) to fine-tune the soundstage and imaging.



Figure 4.2: The BP9020 speaker integrated into a home entertainment setup, demonstrating typical placement next to a media console.

4.3 Connections

The BP9020 features multiple input options for versatile integration into your audio system.



Figure 4.3: Rear panel of the BP9020, showing the various input terminals and controls for connection and adjustment.

- **Speaker Level Input:** Connect your amplifier's speaker outputs to the BP9020's speaker level inputs using high-quality speaker wire. Ensure correct polarity (+ to + and - to -).

- **LFE Input (RCA):** For systems with a dedicated subwoofer output from an AV receiver, connect a single RCA cable from the receiver's LFE/Subwoofer output to the BP9020's LFE input. This allows the receiver to manage the subwoofer's crossover.
- **Height Channel Input:** If using the optional A90 height speaker module, connect it to the dedicated height channel input on the top of the BP9020.
- **AC Power:** Plug the provided 6.5-foot AC power cord into the speaker's power inlet and then into a wall outlet. The integrated subwoofer requires AC power to operate.

4.4 Subwoofer Level Adjustment

The BP9020 features an integrated powered subwoofer with a dedicated level control on the rear panel. Adjust this knob to blend the subwoofer's output seamlessly with the main speaker drivers and your room acoustics. Start with the knob at the midpoint and adjust incrementally while listening to various audio content.
The Intelligent Bass Control feature helps maintain an overall balance between the lows and mids, ensuring clear sound even with enhanced bass.

5. Operating Instructions

5.1 Powering On/Off

Once connected to an AC power source, the integrated subwoofer will automatically power on when an audio signal is detected. The LED indicator on the rear panel will illuminate. The subwoofer will enter a low-power standby mode when no audio signal is present for a period of time.
To manually control the LED indicator, use the "LED ON/OFF" switch located on the rear panel.

5.2 Audio Playback

Ensure your audio source (receiver, amplifier) is powered on and configured correctly. Begin playing audio content at a low volume and gradually increase to your desired listening level. The BP9020's bipolar design will create a wide and immersive soundstage.
For optimal performance, ensure your receiver's speaker settings are configured appropriately for full-range speakers or with a crossover point that complements the integrated subwoofer, especially if using the LFE input.

6. Maintenance and Care

Proper care will ensure the longevity and performance of your Definitive Technology BP9020 speakers.

- **Cleaning:** Dust the speaker cabinet and grille cloth with a soft, dry, lint-free cloth. Do not use abrasive cleaners, waxes, or solvents.
- **Grille:** The speaker grille is designed to be non-removable for optimal acoustic performance and protection of the drivers. Do not attempt to remove it.
- **Placement:** Avoid placing the speaker in direct sunlight or near sources of extreme heat or cold.
- **Moving the Speaker:** When moving the speaker, always lift it carefully from the base. Avoid dragging or pushing it, which could damage the base or flooring.

7. Troubleshooting

If you encounter issues with your BP9020 speaker, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No sound from speaker.	Power cord unplugged. Amplifier/receiver not powered on or input selected incorrectly. Speaker wires disconnected or incorrectly connected. Subwoofer level set to minimum.	Ensure AC power cord is securely plugged into speaker and wall outlet. Verify amplifier/receiver is on and correct input is selected. Check all speaker wire connections at both the speaker and amplifier, ensuring correct polarity. Increase the subwoofer level knob on the rear panel.
Distorted or unclear sound.	Volume too high, causing clipping. Poor quality audio source. Incorrect speaker placement or room acoustics.	Reduce volume on amplifier/receiver. Try a different audio source to isolate the issue. Adjust speaker placement and toe-in.
Subwoofer not producing bass.	AC power not connected or outlet is off. Subwoofer level set too low. LFE cable disconnected (if used). Receiver's subwoofer output disabled or volume too low.	Check AC power connection and wall outlet. Increase the subwoofer level knob on the rear panel. Ensure LFE cable is securely connected at both ends. Check receiver's settings for subwoofer output and level.

If the problem persists after trying these solutions, please contact Definitive Technology customer support.

8. Technical Specifications

Feature	Detail
Model Name	BP9020
Item Model Number	IEDA-A
Mounting Type	Floor Standing
Speaker Type	Tower Speaker with Integrated Subwoofer
Material	Aluminum (Base)
Color	Black
Product Dimensions (D x W x H)	13"D x 11"W x 35.5"H
Item Weight	21 Pounds
Tweeter Diameter	1 Inch (Aluminum Dome)
Midrange Drivers	(2) 3.5 Inch BDSS (Front), (1) 3.5 Inch BDSS (Rear)
Subwoofer Diameter	8 Inches (Integrated Powered)

Feature	Detail
Impedance	8 Ohm
Speaker Maximum Output Power	300 Watts
Connectivity Technology	Wired
Audio Output Mode	Surround
Input Voltage	120 Volts
Control Method	Touch (Subwoofer Level)
Recommended Uses	Indoor Home Audio, Home Theater
UPC	747192126469
Date First Available	May 5, 2016



Figure 8.1: Internal view of the BP9020, illustrating the placement of the tweeter, midrange drivers, and integrated subwoofer.

9. Warranty and Support

9.1 Warranty Information

The Definitive Technology BP9020 speaker comes with a Full Warranty. Specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for warranty claims.

For detailed warranty information, please refer to the warranty card included with your product or visit the official Definitive Technology website.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Definitive Technology customer support. You can typically find contact information on the official brand website or through your authorized dealer.

When contacting support, please have your product model number (BP9020) and serial number (located on the rear panel of the speaker) ready.

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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.

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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