

BIC America V1220

BIC America V-1220 Powered Subwoofer: 12-Inch 430-Watt Instruction Manual

Model: V1220 | Brand: BIC America

1. INTRODUCTION AND OVERVIEW

The BIC America V-1220 is a 12-inch, 430-watt down-firing powered subwoofer designed to enhance home theater and music listening experiences. It features a high-current 200-watt (430 watts peak) amplifier, a 12-inch heavy-duty long-throw woofer, and a patented Venturi vent to minimize port noise. The V-1220 includes an adjustable crossover, automatic signal sensing, high-level inputs, and compatibility with both Dolby Pro Logic and Dolby Digital/DTS inputs.

Key Features:

- 12-inch woofer for deep bass response.
- 430-watt peak power (200-watt RMS) amplifier.
- Frequency response: 23 Hz to 180 Hz variable.
- Sensitivity: 90 dB.
- Signal-to-noise ratio: >80 dB.
- Patented Venturi vent to eliminate port noise.
- Adjustable crossover and phase control.
- Automatic signal sensing for power management.

2. WHAT'S IN THE BOX

- BIC America V-1220 Powered Subwoofer
- Instruction Manual

3. SETUP AND PLACEMENT

Proper placement of your subwoofer is crucial for optimal sound performance. The V-1220 is a down-firing subwoofer, meaning its speaker is located on the bottom panel. This design can provide excellent bass response, especially on hard floor surfaces.

Placement Recommendations:

- **Corner Placement:** Placing the subwoofer in a corner can maximize bass output, but may sometimes lead to a "boomy" sound. Experiment with distance from the walls.
- **Front Wall Placement:** Placing it along the front wall, near your main speakers, can help blend the subwoofer's sound with the rest of your system.
- **Avoid Obstructions:** Ensure the down-firing woofer is not obstructed and has adequate space to project sound downwards. The included feet provide necessary clearance.

Connections:

The V-1220 offers multiple connection options to integrate with your audio system.



Figure 1: Rear panel of the BIC America V-1220 subwoofer, detailing the various input and control options.

- **LFE/Line-In (RCA):** For receivers with a dedicated subwoofer output (LFE or Sub Out), connect a single RCA cable from

your receiver's subwoofer output to the LFE input on the V-1220.

- **Stereo Line-In (RCA):** If your receiver does not have an LFE output, connect RCA cables from your receiver's stereo pre-out (left and right) to the corresponding Line-In inputs on the subwoofer.
- **High-Level Inputs (Speaker Wire):** For receivers without line-level outputs, connect speaker wires from your receiver's main speaker outputs to the "High Level Input" terminals on the subwoofer. Then, connect speaker wires from the "High Level Output" terminals on the subwoofer to your main speakers.

Power Connection:

Connect the provided power cord to the subwoofer's power input and then to a standard 120V AC wall outlet.



Figure 2: Rear view of the BIC America V-1220 subwoofer, showing the power cord connected to the power input.

4. OPERATING INSTRUCTIONS

Once connected, adjust the settings on the subwoofer's rear panel to match your listening preferences and room acoustics.

Controls:

- **Power Switch (OFF/AUTO/ON):**

- **OFF:** Turns the subwoofer off.
- **AUTO:** The subwoofer will automatically turn on when an audio signal is detected and enter standby mode after a period of inactivity.
- **ON:** The subwoofer remains on continuously.

- **Volume Control:** Adjusts the overall output level of the subwoofer. Start with a low setting and gradually increase until the bass blends seamlessly with your main speakers.

- **Crossover Frequency (40Hz-180Hz):** This knob determines the highest frequency the subwoofer will reproduce. Set it based on the low-frequency capabilities of your main speakers. A common starting point is 80Hz-100Hz. If using a receiver with built-in bass management, set the subwoofer's crossover to its maximum setting (180Hz) and manage the crossover through your receiver.

- **Phase Switch (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 impactful and coherent bass at your listening position.

- **Receiver Type Switch (Dolby Digital/DTS / Dolby Pro Logic):** Select the appropriate setting based on your receiver's output type.



Figure 3: Close-up view of the rear panel controls, including power, volume, crossover, and phase settings.

5. MAINTENANCE

To ensure the longevity and optimal performance of your BIC America V-1220 subwoofer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the cabinet. Avoid abrasive cleaners, solvents, or excessive moisture.
- **Placement:** Keep the subwoofer away from direct sunlight, heat sources, and areas with high humidity. Ensure adequate ventilation around the amplifier panel.
- **Speaker Cone:** Avoid touching the speaker cone directly, as this can cause damage.
- **Power:** If the subwoofer will not be used for an extended period, it is advisable to turn off the power switch.

6. TROUBLESHOOTING

If you encounter issues with your V-1220 subwoofer, refer to the following common troubleshooting steps:

- **No Sound:**
 - Check if the subwoofer is plugged into a working power outlet and the power switch is set to ON or AUTO.
 - Verify all audio cables are securely connected to both the subwoofer and your receiver/amplifier.
 - Ensure the volume control on the subwoofer is not set to minimum.
 - Confirm your receiver's subwoofer output is enabled and the volume is adjusted appropriately.
- **Distorted or Boomy Sound:**
 - Adjust the volume control on the subwoofer to a lower level.
 - Experiment with the crossover frequency setting. Lowering the crossover point can reduce boominess.
 - Try adjusting the phase switch (0° or 180°) to see which setting provides a tighter, more integrated bass.
 - Reposition the subwoofer in your room. Moving it away from corners or walls can sometimes improve sound quality.
- **Humming Noise:**
 - Ensure all connections are tight.
 - Try plugging the subwoofer into a different electrical outlet, preferably one on a different circuit.
 - If using RCA connections, try a different RCA cable or ensure it is not running parallel to power cables.

7. SPECIFICATIONS

Feature	Specification
Woofer Diameter	12 Inches
Speaker Maximum Output Power	430 Watts (Peak), 200 Watts (RMS)
Frequency Response	23 Hz to 180 Hz variable
Sensitivity	90 dB
Signal-to-Noise Ratio	>80 dB
Impedance	8 Ohms
Connectivity Technology	Wired (RCA, Speaker Wire)

Power Source	Corded Electric
Product Dimensions	22 x 22 x 18.5 inches
Item Weight	43.8 pounds
Color	Black
Material	Heavy-duty Plastic or Metal

8. WARRANTY INFORMATION

The BIC America V-1220 Subwoofer comes with a limited warranty. Please refer to the warranty documentation included with your product for specific terms and conditions. Warranty does not cover misuse of the product.

Optional Protection Plans:

- 2-Year Protection Plan
- 3-Year Protection Plan
- NEW Complete Protect (Monthly billing)

9. SUPPORT

For further assistance, product registration, or to explore other BIC America products, please visit the official BIC Store:

[Visit the BIC Store on Amazon](#)

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