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BIC V80

BIC America V-80 Powered Subwoofer User Manual

Model: V80

1. INTRODUCTION

Thank you for choosing the BIC America V-80 Powered Subwoofer. This manual provides essential information for the proper setup, operation, and maintenance of your new audio equipment. The V-80 is an 8-inch, 100-watt RMS powered subwoofer designed to enhance the low-frequency performance of your home audio system, delivering deep and impactful bass.

For optimal performance and longevity, please read these instructions carefully before use.

2. IMPORTANT SAFETY INFORMATION

- **Read Instructions:** Retain these instructions for future reference.
- **Heed Warnings:** Follow all warnings on the product and in this manual.
- **Cleaning:** Clean only with a dry cloth.
- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **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 apparatus.
- **Unplug:** Unplug this apparatus during lightning storms or when unused for long periods of time.
- **Servicing:** 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.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. WHAT'S IN THE BOX

Upon unpacking your BIC America V-80 Powered Subwoofer, please ensure all components are present and in good condition.

- BIC America V-80 Powered Subwoofer Unit
- User Manual (this document)
- Power Cord



Image: Front view of the BIC America V-80 Powered Subwoofer, showcasing its compact design and down-firing woofer.

4. SETUP

4.1 Placement

The placement of your subwoofer significantly impacts its sound performance. Experiment with different locations to find the best bass response for your room.

- **Corner Placement:** Placing the subwoofer in a corner often maximizes bass output due to room acoustics. This can result in a more pronounced, but sometimes less defined, bass.
- **Wall Placement:** Placing the subwoofer along a wall, but not in a corner, can provide a balanced bass response.
- **Freestanding:** Positioning the subwoofer away from walls can offer the most accurate and tightest bass,

though it might reduce overall output.

- **Avoid Obstructions:** Ensure the down-firing woofer and Venturi-tuned port are not obstructed. The subwoofer should be placed on a stable, level surface.



Image: Side view of the BIC America V-80 Powered Subwoofer, illustrating its dimensions (11.25"D x 12.94"W x 11.25"H) and the side-mounted port.

4.2 Connections

The V-80 offers flexible connection options to integrate with your audio system.

1. Line Level Input (RCA):

Connect an RCA cable from the "Subwoofer Out" or "LFE Out" jack on your receiver/amplifier to the "Line In" (RCA) input on the V-80. This is the most common and recommended connection method for modern receivers.

2. Speaker Level Input:

If your receiver/amplifier does not have a dedicated subwoofer output, you can connect the V-80 using speaker wires. Connect the speaker outputs from your receiver to the "Speaker Level In" terminals on the subwoofer, and then connect your main speakers to the "Speaker Level Out" terminals on the subwoofer. Ensure correct polarity (+ to + and - to -).

3. Power Connection:

Once all audio connections are made, plug the subwoofer's power cord into a standard AC wall outlet.

4.3 Initial Settings

After connecting, adjust the following controls for initial setup:

- **Volume/Gain Control:** Start with the volume control set to about half-way. Adjust this to blend the subwoofer's output with your main speakers.
- **Crossover Frequency Control:** This control determines the highest frequency the subwoofer will reproduce. A good starting point is typically between 80Hz and 120Hz, depending on the size and low-frequency capabilities of your main speakers. If your main speakers are small, set the crossover higher (e.g., 100-120Hz). If they are larger, set it lower (e.g., 60-80Hz). If using an LFE output from your receiver, the receiver typically manages the crossover, and you can set the subwoofer's crossover to its maximum setting or bypass it if an LFE mode is available.
- **Phase Switch:** This switch (0° or 180°) helps ensure the subwoofer's output is in phase with your main speakers. Experiment with both settings while listening to music with strong bass. Choose the setting that provides the most impactful and coherent bass.
- **Auto On/Off:** The V-80 features an auto on/off function that detects an audio signal and powers on the subwoofer. If no signal is detected for a period, it will enter standby mode.

5. OPERATING YOUR SUBWOOFER

Once properly set up, operating your BIC America V-80 is straightforward. The subwoofer is designed to seamlessly integrate with your existing audio system.

- **Power On/Off:** The subwoofer will typically power on automatically when an audio signal is detected. You can also manually power it on or off using the main power switch if available.
- **Volume Adjustment:** Fine-tune the subwoofer's volume using its dedicated gain control to achieve a balanced sound. The bass should complement, not overpower, your main speakers.
- **Listening Tests:** Play various types of music and movie scenes to evaluate the subwoofer's performance. Adjust the crossover and phase settings as needed to achieve the most natural and impactful bass.

6. MAINTENANCE

The BIC America V-80 Powered Subwoofer requires minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Dust the cabinet regularly with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials, as they can damage the finish.
- **Ventilation:** Ensure that the subwoofer's ventilation openings are clear and not blocked by objects or dust. Proper airflow prevents overheating.
- **Environment:** Keep the subwoofer in a dry environment, away from direct sunlight, extreme temperatures, and excessive humidity.
- **Power Cord:** Periodically check the power cord for any signs of damage. If damaged, replace it immediately with an appropriate cord.

7. TROUBLESHOOTING

If you encounter issues with your V-80 subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
No Sound from Subwoofer	<ul style="list-style-type: none"> ◦ Ensure the subwoofer is plugged in and powered on. ◦ Check all audio connections (RCA or speaker wires) are secure and correctly connected. ◦ Verify the volume/gain control on the subwoofer is not set to minimum. ◦ Check your receiver/amplifier settings to ensure the subwoofer output is enabled and volume is adequate. ◦ Test with a different audio source or cable.
Humming or Buzzing Noise	<ul style="list-style-type: none"> ◦ This is often caused by a ground loop or interference. ◦ Try plugging the subwoofer into a different electrical outlet, preferably on a different circuit. ◦ Ensure all audio cables are high quality and properly shielded. Replacing a cheap, unshielded RCA cable with a double-shielded subwoofer cable can often resolve hum. ◦ Move audio cables away from power cords.
Weak or Undefined Bass	<ul style="list-style-type: none"> ◦ Adjust the subwoofer's volume/gain control higher. ◦ Experiment with the crossover frequency. If set too low, the subwoofer might not be reproducing enough of the lower frequencies. ◦ Adjust the phase switch (0° or 180°) to find the setting that provides the most coherent bass with your main speakers. ◦ Try different placement locations for the subwoofer in your room.
Distorted Bass	<ul style="list-style-type: none"> ◦ Reduce the subwoofer's volume/gain control. ◦ Ensure your receiver's subwoofer output level is not set too high. ◦ Check that the subwoofer is not placed in a location that causes excessive resonance or boominess. ◦ Verify that the audio source is not distorted.

8. SPECIFICATIONS

Feature	Detail
Model Name	V80
Speaker Type	Subwoofer
Subwoofer Diameter	8 Inches
Woofer Diameter	8 Inches
Speaker Maximum Output Power	100 Watts RMS (200 Watts Max)
Frequency Response	37 Hz to 180 Hz variable
Impedance	8 Ohms

Feature	Detail
Mounting Type	Floor Standing
Material	Metal (internal components), Wood/Laminate (cabinet)
Color	Black
Product Dimensions (D x W x H)	11.25"D x 12.94"W x 11.25"H
Item Weight	Approx. 18.14 g (0.64 ounces) - <i>Note: This weight seems incorrect from source data, typically subwoofers are much heavier. Please refer to product packaging for accurate weight.</i>
Special Features	Bass Boost, Volume Control, Down-firing, Venturi-tuned port
Recommended Uses	For Music Players, For Surround Sound Systems
Compatible Devices	Desktop, Laptop, Television
Connectivity Technology	RCA
Power Source	Corded Electric
Control Method	Touch (referring to control knobs/buttons)
Manufacturer	BIC AMERICA

9. PRODUCT VIDEOS

The following videos provide additional information and visual guidance for your BIC America V-80 Powered Subwoofer.

Your browser does not support the video tag.

Video: General overview or demonstration of the BIC America V-80 Subwoofer. (Duration: 6:23)

Your browser does not support the video tag.

Video: Short clip showcasing features or sound of the BIC America V-80 Subwoofer. (Duration: 1:46)

10. WARRANTY INFORMATION

The BIC America V-80 Powered Subwoofer comes with a Limited Warranty. Please refer to the warranty card included with your product or contact BIC America customer support for specific terms and conditions.

Important: Warranty does not cover misuse of the product.

11. CUSTOMER SUPPORT

For technical assistance, service, or further inquiries regarding your BIC America V-80 Powered Subwoofer, please contact BIC America customer support.

Manufacturer: BIC AMERICA

Please visit the official BIC America website for contact details and additional resources.

