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› BIC AMERICA RTR-EV15 15-Inch 3-Way Floor Speaker User Manual

BIC AMERICA RTR-EV15

BIC AMERICA RTR-EV15 15-Inch 3-Way Floor Speaker User Manual

Model: **RTR-EV15** | Brand: **BIC AMERICA**

INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your BIC AMERICA RTR-EV15 15-Inch 3-Way Eviction Series Floor Speaker. Please read these instructions thoroughly before use to ensure optimal performance and longevity of your speaker system.





Figure 1: The BIC AMERICA RTR-EV15 15-Inch 3-Way Floor Speaker.

SAFETY INSTRUCTIONS

Observe the following safety precautions to prevent damage to the speaker or personal injury:

- Do not expose the speaker to moisture, rain, or extreme temperatures.
- Ensure proper ventilation around the speaker to prevent overheating.
- Place the speaker on a stable, level surface to prevent it from tipping over.
- Avoid placing the speaker near heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- Do not block any ventilation openings.
- Use only attachments/accessories specified by the manufacturer.

- Disconnect the speaker from the amplifier before cleaning or performing maintenance.
- 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 contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

PACKAGE CONTENTS

Verify that all components are present in the packaging:

- BIC AMERICA RTR-EV15 Floor Speaker (1 unit)
- Removable Grille (1 unit)
- Gold-plated, 5-way binding posts with removable connecting straps (pre-installed)
- User Manual (this document)

Note: Speakers are typically sold individually. If you purchased a pair, you will receive two of each item listed above.

SPEAKER PLACEMENT

Optimal speaker placement is crucial for sound quality. Consider the following guidelines:

- **Stereo Setup:** For a stereo pair, place the speakers equidistant from your primary listening position, forming an equilateral triangle.
- **Distance from Walls:** Position speakers a few feet away from walls to minimize bass reflections and improve soundstage. Experiment with distances to find the best balance for your room.
- **Toe-in:** Angle the speakers slightly inward towards the listening position. This can enhance imaging and focus.
- **Room Acoustics:** Room size and furnishings significantly impact sound. Soft furnishings (curtains, carpets, upholstered furniture) can help absorb reflections, while hard surfaces can cause echoes.



Figure 2: Example of BIC AMERICA RTR-EV15 speakers positioned in a room for optimal listening.





Figure 3: Dimensions of the BIC AMERICA RTR-EV15 speaker, illustrating its physical size.

CONNECTION

The RTR-EV15 speaker features gold-plated, 5-way binding posts and is bi-ampable. Ensure your amplifier is turned off before making any connections.



Figure 4: Rear panel connections of the BIC AMERICA RTR-EV15 speaker.

Standard Connection (Single Amplifier)

For standard connection, ensure the metal connecting straps are in place between the upper (tweeter/midrange) and lower (woofer) binding posts. Connect your speaker wire from your amplifier's positive (+) terminal to the speaker's positive (+) terminal, and from the amplifier's negative (-) terminal to the speaker's negative (-) terminal. Maintain correct polarity for all connections.

Bi-Amping Connection (Two Amplifiers)

The RTR-EV15 supports bi-amping, allowing separate amplifiers to drive the high/mid-frequency and low-frequency sections. To bi-amp:

1. Remove the metal connecting straps between the upper and lower binding posts.
2. Connect the first amplifier's output to the upper binding posts (for tweeter/midrange).
3. Connect the second amplifier's output to the lower binding posts (for woofer).

4. Ensure correct polarity for all connections (+ to +, - to -).

Bi-amping can offer improved dynamic range and clarity by reducing inter-driver modulation distortion.

OPERATION

Once connected, you can begin using your BIC AMERICA RTR-EV15 speakers. Follow these general operating guidelines:

- **Volume Control:** Start with the amplifier volume at its lowest setting before powering on. Gradually increase the volume to a comfortable listening level.
- **Break-in Period:** New speakers often benefit from a break-in period of several hours of normal use. During this time, the drivers will loosen up, and the sound quality may improve.
- **Power Handling:** The RTR-EV15 has a peak power handling of 430W and RMS of 225W. Avoid exceeding these limits to prevent damage. Distortion is a sign of overdriving the speakers or amplifier.
- **Grille Use:** The removable grille protects the drivers. You may choose to operate the speakers with or without the grilles, depending on aesthetic preference and listening environment. Removing the grilles can sometimes offer a slightly more open sound.





Figure 5: BIC AMERICA RTR-EV15 speaker with grille removed, showcasing the drivers.

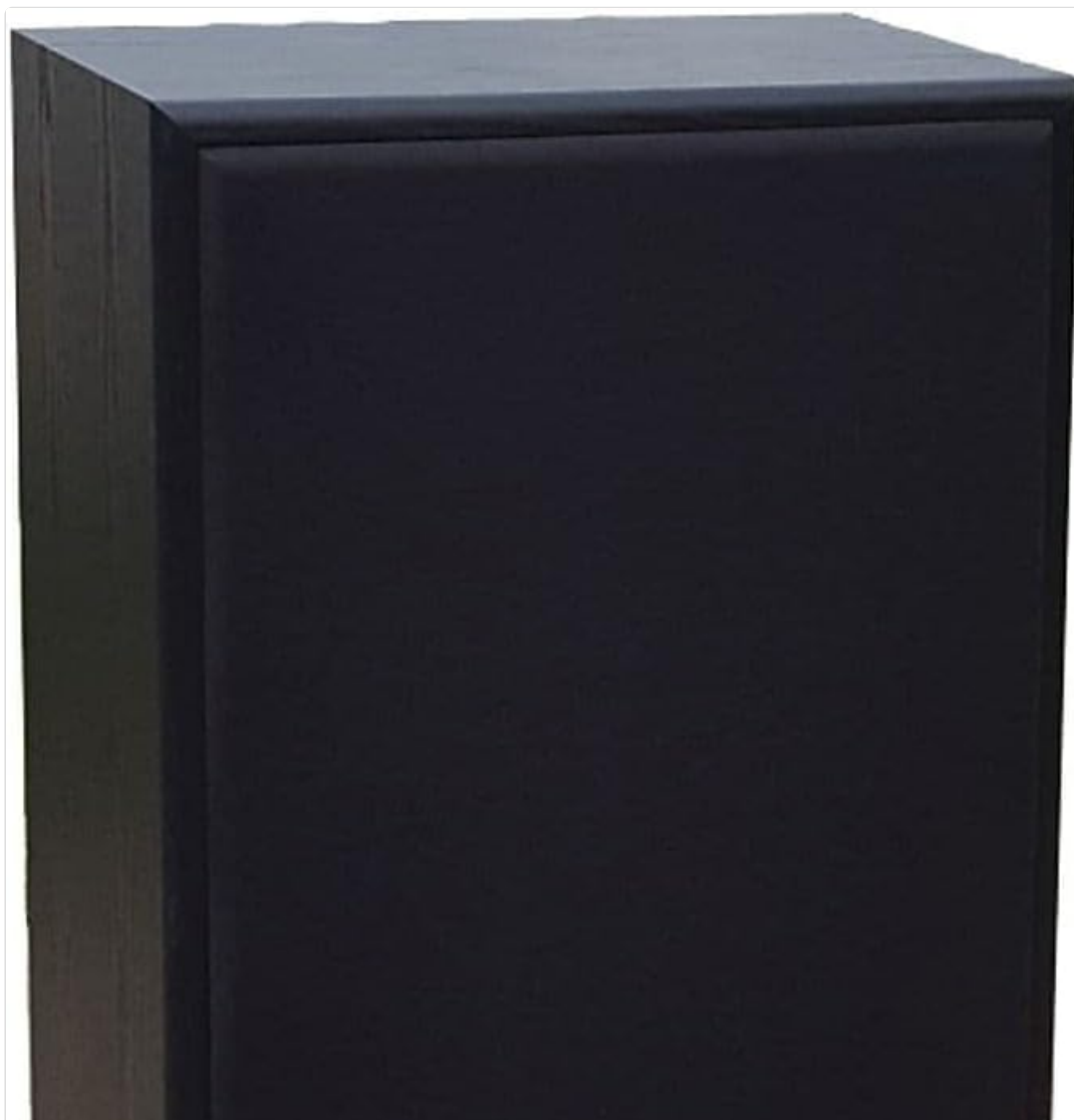




Figure 6: BIC AMERICA RTR-EV15 speaker with grille attached.

MAINTENANCE

Regular maintenance helps preserve the appearance and performance of your speakers:

- **Cleaning Cabinets:** Use a soft, dry cloth to wipe down the speaker cabinets. Avoid abrasive cleaners, solvents, or excessive moisture.
- **Cleaning Grilles:** If the grilles become dusty, gently vacuum them with a soft brush attachment or use a lint roller.
- **Driver Care:** Avoid touching the speaker drivers (woofer, midrange, tweeter) as this can cause damage.
- **Environmental Factors:** Keep speakers away from direct sunlight, extreme humidity, and significant temperature fluctuations.

TROUBLESHOOTING

If you encounter issues with your RTR-EV15 speakers, consult the following table:

Problem	Possible Cause	Solution
No sound from speaker	Loose or incorrect speaker wire connection. Amplifier is off or input is incorrect. Source device issue.	Check all speaker wire connections at both the speaker and amplifier. Ensure correct polarity. Verify amplifier is powered on and set to the correct input. Test with another audio source.
Distorted or unclear sound	Amplifier overdriving the speakers. Damaged speaker wire. Incorrect amplifier settings (e.g., tone controls).	Reduce amplifier volume. Ensure amplifier power matches speaker recommendations. Inspect speaker wires for fraying or damage. Replace if necessary. Reset amplifier tone controls to flat or bypass.
Weak or absent bass	Incorrect speaker polarity. Speaker placement issues. Amplifier bass settings.	Double-check speaker wire polarity (+ to +, - to -). Experiment with speaker placement, moving them closer to walls or corners (within reason) can increase bass. Adjust bass settings on your amplifier or receiver.

If the problem persists after trying these solutions, contact BIC AMERICA customer support or a qualified service technician.

SPECIFICATIONS

Technical specifications for the BIC AMERICA RTR-EV15 Floor Speaker:

- **Speaker Type:** 3-Way Floor-standing
- **Woofers:** 15-inch custom Eviction Series high-excursion woofer with high-power magnet
- **Midrange:** 5.25-inch sealed-back midrange
- **Tweeter:** High-efficiency horn tweeter
- **Power Handling:** 430W Peak, 225W RMS
- **Frequency Response:** 24Hz - 20kHz (±3dB)
- **Sensitivity:** 95dB @ 2.83V/1m
- **Impedance:** 8 Ohm
- **Connectivity:** Bi-ampable, 2 pairs gold-plated 5-way binding posts
- **Dimensions (H x W x D):** 43" x 17.5" x 12.5" (109.2 cm x 44.5 cm x 31.8 cm)
- **Weight:** 67 pounds (30.4 kg)
- **Included Components:** 2 pairs of gold-plated, 5-way binding posts with removable connecting straps
- **Compatible Devices:** Desktop, Home Theater, Projector, Television

WARRANTY AND SUPPORT

BIC AMERICA products come with a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official BIC AMERICA website. Keep your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or service inquiries, please contact BIC AMERICA customer service through their official channels. Provide your model number (RTR-EV15) and serial number when contacting support.

Manufacturer: Bic America

Address: 925 N. Shepard St, Anaheim, CA 92806, U.S.A.

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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.

Name

Anonymous

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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