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- > EAW RS121 2-Way Self Powered Loudspeaker User Manual

EAW RS121

EAW RS121 2-Way Self Powered Loudspeaker User Manual

Model: RS121

1. Introduction

Thank you for choosing the EAW RS121 2-Way Self Powered Loudspeaker. This manual provides essential information for the safe and efficient operation of your new audio equipment. The RS121 is a high-performance, self-powered loudspeaker designed for professional sound reinforcement applications, featuring touring-grade transducers for exceptional audio clarity and power.

Please read this manual thoroughly before operating the loudspeaker and retain it for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent electric shock, fire, or injury:

- **Power Source:** Connect the loudspeaker only to a power supply of the type described in this manual and marked on the unit.
- Grounding: Ensure the power cord is properly grounded to prevent electrical shock.
- Ventilation: Do not block any ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- Water and Moisture: This product is *not waterproof*. Do not expose the loudspeaker to rain, moisture, or excessive humidity. Do not place objects filled with liquids on or near the unit.
- Cleaning: Unplug the unit from the power outlet before cleaning. Use a dry cloth only.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the loudspeaker on a stable, level surface or mount it securely using appropriate hardware. Avoid placing it in direct sunlight or near heat sources.
- Hearing Protection: Prolonged exposure to high sound pressure levels can cause permanent hearing damage. Use appropriate hearing protection when operating the loudspeaker at high volumes.

3. PRODUCT OVERVIEW

3.1 Key Features

- 2-Way Self-Powered Design
- 12-inch Woofer for powerful bass response
- Integrated Power Amplifier with 1200 Watts maximum output
- Touring-Grade Transducers for high fidelity audio
- Multiple Connectivity Options: RCA, Coaxial, XLR
- Durable enclosure suitable for professional use

3.2 Components and Controls

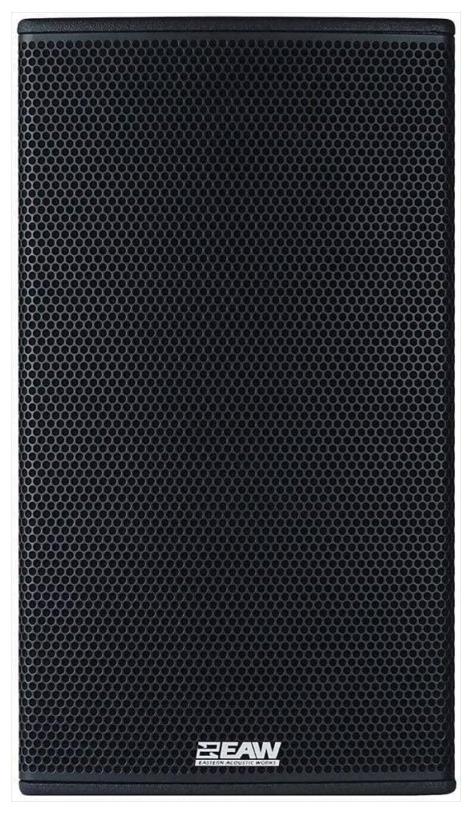


Figure 3.2.1: Front view of the EAW RS121 loudspeaker, showcasing the protective grille and the EAW logo at the

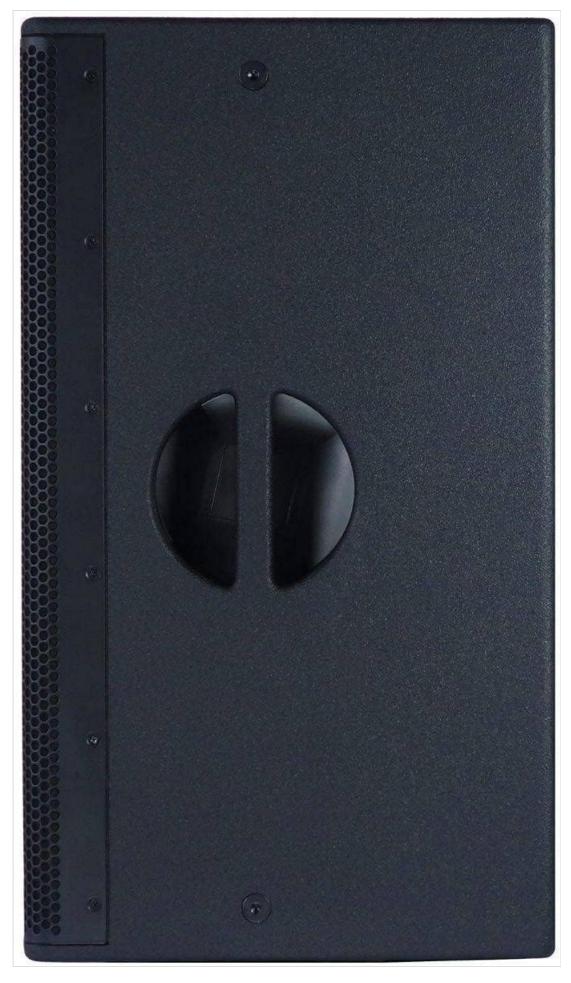


Figure 3.2.2: Side view of the EAW RS121 loudspeaker, showing the robust enclosure and integrated handles for easy transport.

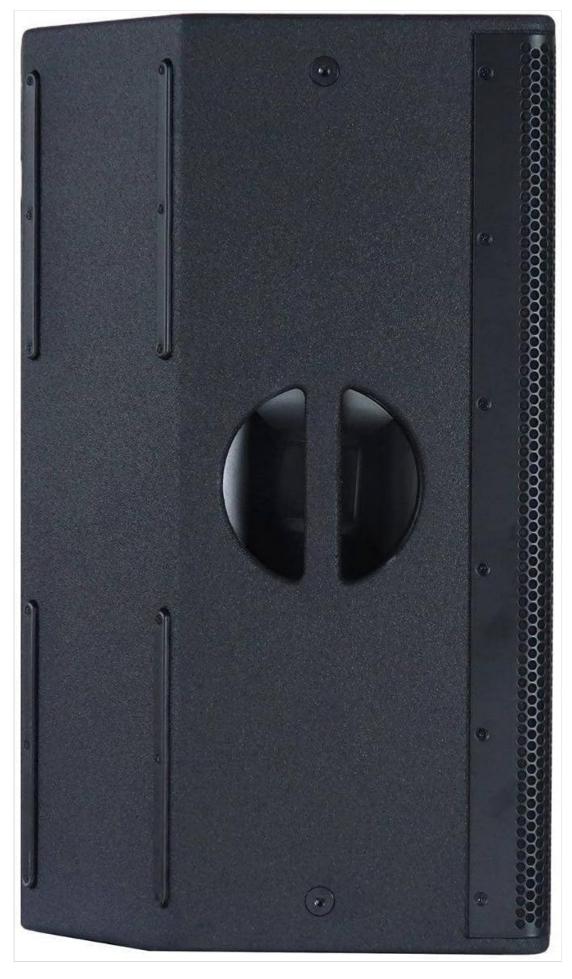


Figure 3.2.3: Another side view of the EAW RS121 loudspeaker, highlighting the durable construction and potential mounting points or additional handles.



Figure 3.2.4: Rear view of the EAW RS121 loudspeaker, detailing the control panel with input/output connections (XLR, RCA, Coaxial), level controls, and power switch.

The rear panel (Figure 3.2.4) houses all essential controls and connections:

- Input Section: Includes XLR, RCA, and Coaxial inputs for versatile connectivity with various audio sources.
- Level Control: Adjusts the overall output volume of the loudspeaker.
- Limit/Status Indicators: LEDs to monitor operational status and signal limiting.
- Power Switch: Toggles the unit on and off.
- AC Power Inlet: For connecting the main power cable.
- Thru Output: Allows for daisy-chaining audio signals to other loudspeakers or devices.

4. WHAT'S IN THE BOX

Upon unpacking your EAW RS121 loudspeaker, please ensure all listed items are present:

- 1 x EAW RS121 Self Powered Loudspeaker (includes integrated power amplifier and transducers)
- 1 x AC Power Cable
- 1 x User Manual (this document)

Note: The "Number of Items: 2" listed in some product specifications refers to the primary components within the loudspeaker system (power amplifier and transducers), not two separate loudspeaker units.

5. SETUP

5.1 Placement

The EAW RS121 is designed for floor standing applications. Place the loudspeaker on a stable, flat surface. Ensure there is adequate space around the unit for ventilation, especially at the rear where the amplifier is located.

5.2 Connections

- 1. **Power Connection:** Connect the supplied AC power cable to the AC power inlet on the rear panel of the loudspeaker and then to a grounded electrical outlet.
- 2. **Audio Input:** Connect your audio source (e.g., mixer, audio interface, television) to the desired input on the rear panel (XLR, RCA, or Coaxial). Use high-quality shielded cables for optimal performance.
- 3. **Daisy-Chaining (Optional):** If connecting multiple loudspeakers, use the "Thru" output to send the audio signal to the input of another loudspeaker.

Ensure all connections are secure before powering on the unit.

6. OPERATING INSTRUCTIONS

- 1. **Initial Power On:** Before turning on the loudspeaker, ensure the Level control is set to its minimum position.
- 2. **Power On:** Flip the Power Switch on the rear panel to the "ON" position. The power indicator LED should illuminate.
- 3. **Adjusting Volume:** Start playing audio from your source. Slowly increase the Level control on the loudspeaker until the desired volume is achieved. Monitor the Limit/Status indicators; if the Limit LED flashes frequently, reduce the volume to prevent distortion and potential damage.
- 4. **Remote Control (if applicable):** The loudspeaker supports remote control. Refer to the remote control's specific instructions for pairing and operation.
- 5. **Power Off:** Before powering off, reduce the Level control to its minimum. Then, flip the Power Switch to the "OFF" position.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your EAW RS121 loudspeaker.

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the exterior surfaces. Do not use abrasive cleaners, waxes, or solvents.
- **Ventilation:** Regularly check that the ventilation openings are clear of dust and debris. Use a soft brush or compressed air to clean them if necessary.
- **Storage:** If storing the loudspeaker for an extended period, keep it in a dry, cool environment, away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect power cables and audio cables for any signs of damage. Replace damaged cables immediately.

8. TROUBLESHOOTING

If you encounter issues with your EAW RS121 loudspeaker, refer to the following common problems and solutions:

Problem	Possible Cause	Solution		
No Power	Power cable not connected; Power outlet faulty; Power switch off.	Ensure power cable is securely connected; Test outlet with another device; Turn power switch ON.		
No Sound Output	Input cable not connected; Level control too low; Audio source issue; Incorrect input selected (if applicable).	Check audio input cable connections; Increase Level control; Verify audio source is playing; Ensure correct input is used.		
Distorted Sound	Input signal too high (clipping); Loudspeaker volume too high; Damaged cable.	Reduce input signal level from source; Decrease loudspeaker Level control; Replace audio cable.		
Hum or Buzz	Ground loop; Faulty cable; Interference from other electronics.	Ensure proper grounding; Try different cables; Move loudspeaker away from interfering devices.		

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

9. SPECIFICATIONS

Feature	Detail
Model Name	RS121
Speaker Type	Tower
Recommended Uses	For Sound Reinforcement
Compatible Devices	Laptop, Television, Home Theater

Feature	Detail	
Included Components	Power amplifier, Transducers	
Waterproof	No	
Number of Items	1 (Loudspeaker unit)	
Control Method	Remote	
Speaker Size	12 Inches	
Power Source	Corded Electric	
Woofer Diameter	12 Inches	
Audio Driver Type	Dynamic Driver	
Audio Driver Size	12 Inches	
UPC	810014770291	
ASIN	B086VPDDQP	
Date First Available	March 19, 2020	
Brand	EAW	
Speaker Maximum Output Power	1200 Watts	
Connectivity Technology	RCA, Coaxial, XLR	
Audio Output Mode	Mono	
Mounting Type	Floor Standing	

10. WARRANTY AND SUPPORT

10.1 Limited Warranty

The EAW RS121 loudspeaker comes with a Limited Warranty. For specific terms, conditions, and duration of the warranty, please refer to the official EAW website or contact EAW customer support directly. This warranty typically covers defects in materials and workmanship under normal use.

10.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact EAW customer support. You can typically find contact information, including phone numbers and email addresses, on the official EAW website:

Visit EAW Support Website

When contacting support, please have your product model (RS121) and serial number (if applicable) ready.

Related Documents - RS121



EAW RS & LA Series Loudspeaker User Manual

Comprehensive user manual for Eastern Acoustic Works (EAW) RS and LA Series loudspeakers, covering safety, specifications, operation, connections, troubleshooting, and warranty information.



EAW MKC120 2-Way Coaxial Loudspeaker: Specifications and Mounting

Detailed specifications, technologies, ordering information, and mounting options for the EAW MKC120 2-Way Coaxial Loudspeaker. Includes performance graphs, technical data, and mechanical drawings.



EAW MKC80 2-Way Coaxial Loudspeaker - Technical Specifications and Mounting Options

Explore the EAW MKC80, a high-output, compact 2-way coaxial loudspeaker. This document details its technical specifications, including performance metrics, configuration, and physical attributes. It also covers various mounting options such as U-brackets, ceiling mounts, and wall mounts, along with their respective part numbers and installation diagrams. Discover the advanced technologies like Beamwidth Matched Crossovers, FocusingTM, and DynoTM that enhance audio fidelity.



EAW MKC60 2-Way Coaxial Loudspeaker: Specifications and Mounting Options

Detailed technical specifications, technologies, ordering information, and mounting options for the EAW MKC60 2-Way Coaxial Loudspeaker. Includes performance data, physical dimensions, rigging configurations, and accessory details.



EAW Commercial CLA Series Column Loudspeakers Instruction Manual

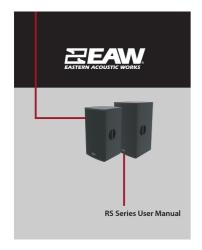
Comprehensive instruction manual for EAW Commercial CLA Series column loudspeakers (CLA2, CLA4, CLA6), covering safety, installation, connections, specifications, service, and warranty.



EAW MKC50 2-Way Coaxial Loudspeaker: Features, Specifications, and Mounting

Detailed information on the EAW MKC50 2-way coaxial loudspeaker, including its features, technical specifications, performance graphs, and various mounting options. Covers technologies like Beamwidth Matched Crossovers and Focusing[™].

Documents - EAW - RS121



[pdf] User Manual Installation Guide Instructions

RS Series User

Instructions Read and heed all warnings safety instructions in this manual

Instructions Read and heed all warnings safety instructions in this manual

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Instructions Read and heed all warnings safety instructions in this manual

Instructions Responding to the purpose of polarized of polarized grounding-type plug

Instructions A has two blades with one wider than other soundpro content product-documents

Instructions Read and Instructions Responding to the AV, rental staging, and installation. RS Series consists of four two-way, point source models RS121, RS123, RS151, RS153 and two subwoofers RS115 RS118 . SPECIFICATIONS RS Two-Way Point So...

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[pdf] Datasheet

مدل EAW كليات فنى دستگاه اسپيكر RS121 Proavl Eaw Data Sheet proavl net 2023 10 ||| RS Series 2-Way Self-Powered Loudspeakers **RS121**/123 RS151/153 1500 watts of Class-D Amplification High quality transducers for best-in-class acoustic performace. EAW FocusingTM for unmatched clarity accuracy Rotatable MK inspired horn for EAW signature pattern control Lightweight durable...

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[pdf] Specifications

RS Series Heliart The delivers EAW signature performance in 121 123 151 153 RS153 Frequency
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Class-D Amplificat ... readed Pole Multiple M10 Mounting Points* PERFORMANCE
GRAPHS Frequency Response = LF = HF = Overall RS121 RS151 ACCESSORIES
DESCRIPTION RS121/123 RS151/153 Transport Cover not shown M20 Positiv...
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RS Series 2-Way Self-Powered Loudspeakers **RS121**/123 RS151/153 1500 watts of Class-D Amplification High quality transducers for best-in-class acoustic performace. EAW FocusingTM for unmatched clarity accuracy Rotatable MK inspired horn for EAW signature pattern control Lightweight durable...

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EAW RS Series Loudspeakers: Technical Specifications and Overview

Comprehensive overview and technical specifications for the EAW RS Series 2-Way Self-Powered Loudspeakers, including models RS121, RS123, RS151, and RS153. Details features, performance, configuration, electrical specifications, and accessories from Eastern Acoustic Works.

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[pdf] Specifications Datasheet

RS153 Data Sheet EAW 15 Inch Powered Speaker Sound Productions RS Series Specs soundpro content product documents |||

RS Series 2-Way Self-Powered Loudspeakers RS 121/123 RS 151/153 1500 watts of Class-D Amplificat ... readed Pole Multiple M10 Mounting Points* PERFORMANCE GRAPHS Frequency Response =LF =HF =Overall **RS121** RS151 ACCESSORIES DESCRIPTION **RS121**/123 RS151/153 Transport Cover not shown M20 Positiv... lang:en score:26 filesize: 2.9 M page_count: 4 document date: 2021-09-09



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RS123 2 RS EAW HF/LF EAW SPL LF HF LF/HFPeak AC 1/8th 1/3rd HWD 138 ... W 50 W 75 W 200 W 15mm 658 368 381 mm 19 kg 24 kg 2025/05/09 1 / 3 M20 M10 **RS121**/123 RS151/153 2070538 2070539 2047634 0028272 RS115 M10 M20 2025/05/09 2 / 3 ...

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[pdf] Specifications

Untitled RS Series Specification Sheet EAW 153 2 way Self Powered Loudspeaker 15 Woofer Powercon Connector Full Compass Systems 39881 RSSeriesSpecificationSheet fullcompass common files ||| RS Series 2-Way Self-Powered Loudspeakers RS 121/123 RS 151/153 Leading-edge touring grade transd ... OUDSPEAKER 90 X 60 PERFORMANCE Max SPL Operating Range Nominal Beamwidth C O N F I G U R AT I O N **RS121** RS123 RS151 135dB 55 Hz to 20 kHz 138dB 136dB 50 Hz to 20 kHz 90 Horizontal x 60 Vertica...

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[pdf] Datasheet Guide

LA Series 2-Way, Self-Powered Loudspeakers LA121/123 LA151/153 1500W of Class-D Amplification Hi ... A153 20000 20000 20000 ACCESSORIES DESCRIPTION Transport Cover M20 Positive Thread Pole **RS121**/123 RS151/153 2070538 2070539 2047634 Tel 800 992 5013 / 1 508 234 6158 www.eaw.com 3 ... lang:en score:24 filesize: 2.52 M page count: 4 document date: 2023-10-28



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LA Series EAWproavl net Eaw LA123 Data Sheet proavl 2023 10 مدل EAW کلیات فنی دستگاه اسپیکر Proavl |||

LA Series 2-Way, Self-Powered Loudspeakers LA121/123 LA151/153 1500W of Class-D Amplification Hi ... A153 20000 20000 20000 20000 ACCESSORIES DESCRIPTION Transport Cover M20 Positive Thread Pole **RS121**/123 RS151/153 2070538 2070539 2047634 Tel 800 992 5013 / 1 508 234 6158 www.eaw.com 3 ... lang:en score:24 filesize: 2.52 M page_count: 4 document date: 2023-10-28



[pdf] Dimension Guide Guide

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LA Series 2-Way, Self-Powered Loudspeakers LA121/123 LA151/153 1500W of Class-D Amplification Hi ... A153 20000 20000 20000 20000 ACCESSORIES DESCRIPTION Transport Cover M20 Positive Thread Pole **RS121**/123 RS151/153 2070538 2070539 2047634 Tel 800 992 5013 / 1 508 234 6158 www.eaw.com 3 ... lang:en score:21 filesize: 2.54 M page count: 4 document date: 2023-08-16

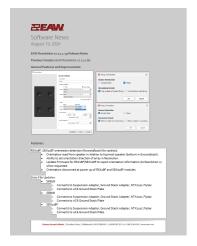


[pdf] Release Notes

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v2.9.2.22 Added Network an ... nd communications. Additional support for: MKD864 MKD986 MKD826 MKD1064 MKD1096 MKD1026 SB825 SB828 **RS121** RS151 RS115 RS123 RS153 RS118HP EAW Resolution v2.7.0.8 Release Notes Previous Version: EAW Re...

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[pdf] Release Notes

John Holden EAW Resolution v2 11 1 19 Release Notes Previous Version Aug 2024 — Data File

Updates SB828 o Connects to Suspension Adapter Ground Stack NTX210L Flybar AC6 Plate 2 eaw 08 |||

EAW Resolution v2.11.1.19 Release Notes Previous Version: EAW Resolution

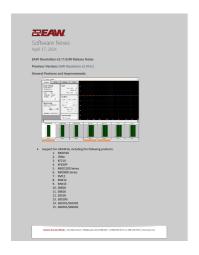
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RS115 RS123 RS153 RS118HP EAW Resolution v2.7.0.8 Release Notes Previous

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