

RS Series

2-Way Self-Powered Loudspeakers RS 121/123 & RS 151/153

- ▶ Leading-edge touring grade transducers
- ▶ EAW Focusing for unmatched clarity and accuracy
- ▶ Rotatable MK inspired horn for EAW signature pattern control
- ▶ Lightweight and durable wooden enclosure with M10 threaded suspension points



OVERVIEW

The RS Series delivers EAW signature performance in a portable and lightweight wooden enclosure. Each enclosure in the series is first designed around the latest breed of touring grade HF and LF transducers. The intelligent features of the series include EAW Focusing which provides unmatched musical clarity and tonal accuracy. Pattern control of the RS Series is further enhanced by the unique, constant directivity HF horn; a design theory first proven in our legendary MK Series, a series born from the audio performance needs of stadiums throughout the world.

The lightweight and durable wooden enclosure has been meticulously designed to eliminate resonance and houses onboard bi-amplified electronics (1500W) featuring signature EAW DSP including Focusing and DynO. Our Resolution software platform is a powerful and easy-to-use simulation software that accurately predicts the performance of one or multiple RS Series enclosures within a venue or performance space.

APPLICATIONS

- ▶ Houses of Worship
- ▶ Theatres, Auditoria and Performing Arts Centers
- ▶ Live Music Clubs
- ▶ Corporate AV Houses
- ▶ Live Production/Regional Rental Houses
- ▶ Dry Hire

TECHNOLOGIES



Beamwidth Matched Crossovers Introduced over a decade ago for our MK series loudspeakers, EAW Engineers use carefully-designed HF horns and crossovers to eliminate polar irregularities through the crossover point.



Focusing™ Use of advanced digital signal processing to perfect the impulse response of a loudspeaker in the time domain. Eliminating horn "honk" and splashiness, this makes the loudspeaker sound like a studio monitor instead of a "PA" speaker.



DynO™ Dynamic Optimization actively tracks input spectrum and power delivery, continually wicking maximizing output and fidelity at any drive level.

TECHNICAL SPECIFICATIONS

2-WAY SELF-POWERED LOUDSPEAKER 90° X 60°

PERFORMANCE	RS121	RS123	RS151	RS153
Max SPL	135dB	138dB	136dB	138dB
Operating Range	55 Hz to 20 kHz		50 Hz to 20 kHz	
Nominal Beamwidth	90° Horizontal x 60° Vertical, Constant Directivity, User-Rotatable			
CONFIGURATION	RS121	RS123	RS151	RS153
LF Transducer, Loading	12in Cone, Vented	12in Cone, 2.5in Voice Coil, Vented	15in Cone, Vented	15in Cone, 3in Voice Coil, Vented
HF Transducer, Loading	1in Exit, 1.4in voice coil compression driver, Horn Loaded	1.4in Exit, 3 in voice coil neodymium compression driver, Horn Loaded	1in Exit, 1.7in voice coil compression driver, Horn Loaded	1.4in Exit, 3 in voice coil neodymium compression driver, Horn Loaded
Operating Mode	Bi-Amp LF, HF			
Signal Processing	DSP with EAW Focusing and DynO			
Modes	Main / Monitor, HPF Select			
ELECTRICAL	RS121	RS123	RS151	RS153
Input Type	Electronically Balanced XLR / TRS			
Loop Type	Electronically Balanced XLR			
Amplifier				
Type	Class D			
Max Output LF / HF (Peak)	1500W			
AC Mains (nominal)				
Connector	IEC Connector	Neutrik PowerCON®	IEC Connector	Neutrik PowerCON®
Input	100-120V or 200-240V, 50-60Hz			
PHYSICAL	RS121	RS123	RS151	RS153
Dimensions (HxWxD)*	25.4" x 14.4" x 15" (645mm x 365mm x 380mm)		28.7" x 17.1" x 16.1" (730mm x 435mm x 410mm)	
Net Weight*	45lb (20kg)		55lb (25kg)	
Shipping Weight*	55lb (25kg)		65lb (30lb)	

*Preliminary

COMPANION PRODUCT

RS SUBWOOFER SERIES

- ▶ Premium transducers and signature EAW DynO™ dynamic optimization processing
- ▶ 1500 or 2500 watts of Class-D Power Factor Corrected amplification
- ▶ Cardioid pattern can be generated quickly with a button press
- ▶ Ergonomic handles, rugged grille, RoadCoat enclosure, pole cup, and optional casters



RS115



RS118HP

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