

# RSX86 Specifications



## Features

- Extremely approachable EAWmosaic™ iOS app delivers system prediction, control and monitoring from any location in the venue.
- Proven EAW acoustical design and DSP including Focusing™ and DynO™ provides a pristine impulse response at all output levels.
- Four pre-defined voicings provide a variety of tonal starting points.
- Integrated Dante™ networking (with loop-thru) on all models including Analog redundancy capability.

## Applications

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

## Description

Designed to streamline setup and deliver maximum results in minimum time, RADIUS couples unique and intelligent features with EAW's signature acoustical design to deliver solutions for rental firms and system integrators. The RSX86 features onboard bi-amplified electronics (500W per channel) featuring signature EAW DSP including Focusing and DynO for pristine impulse response. The MK inspired constant directivity horn offers 60°x45° coverage and is rotatable for flexibility. EAWmosaic™ app provides total system optimization from anywhere in the venue, plus intuitive room design and prediction in a single, comprehensive application. With the proven sonic performance of EAW's acoustic design and DSP mastery plus full Dante integration across the line, RADIUS delivers an intelligent and flexible system to fit any budget.

## 2-WAY SELF-POWERED LOUDSPEAKER 60° x 45°

### Configuration

Subsystem		
	<b>Transducer</b>	<b>Loading</b>
LF	1 x 8 in cone, 2 in voice coil	Vented
HF	1 x 1 in exit, 1.4 in voice coil compression driver	Horn-loaded
Operating Mode		
Bi-amp	<b>Amplifier Channels</b>	<b>Signal Processing</b>
	LF, HF	DSP w/EAW Focusing™ and DynO™

### Acoustical Performance

Operating Range	
68 Hz to 20 kHz	
Nominal Beamwidth	
Horizontal	60°
Vertical	45°

### Calculated Axial Output Limit (whole space SPL)

	Average	Peak
LF/HF	119 dB	125 dB

### Electrical Performance

Input	
Type	Electronically balanced
Max Input Level	21dBu
Impedance	20 kOhm (balanced)
Wiring	XLRF, Pin 1 chassis, pin 2 +, pin 3 -
	Separate loop-thru XLRM (for analog signal only)

<b>Input Selection</b>	Analog, Dante
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Amplifiers & Processing		
	<b>LF</b>	<b>HF</b>
Type	Modified Class D	Modified Class D
Maximum Output	500W	500W
Driver Protection	Integral DSP limiting	Integral DSP limiting

AC Mains (nominal)	
Connector	Neutrik PowerCon®
Input	100 V to 240 V
Frequency	50 Hz to 60 Hz
Power Consumption	
Idle	50 W
Peak Draw	400 W

Controls/Communication	
Connections	2x Neutrik® etherCON™, RJ-45
Protocols	Ethernet/Dante
Software	EAWmosaic™ (available on the App Store)
Indicators	LCD Screen on amplifier panel for UI, Logo LED (User-definable behavior)
User Controls	Push-button Rotary Encoder

<b>Weight</b>	33.6 lbs/15.3 kg
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<b>Dimensions</b>	19.5x12.4x12.8 in / 498x315x326 mm
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Description	Part Number
EAW RSX86 BLACK	2047528-90
Optional Accessories	
EAW U-BRACKET RSX8x BLACK	2047371
EAW M10X37mm FORGED SHOULDER EYEBOLT KIT	0028272