



WLA-112A

12" active coaxial hybrid curvature array element

Product Description

WLA-112A is a 12" full-range active line array element from our WLA-1A System — combining the precision engineering of the original WLA-1 with powerful internal amplification and advanced DSP control.

Featuring a coaxial Beyma driver and our advanced EVO-Fold waveguide, it delivers consistent, phase-coherent coverage across both horizontal and vertical planes. FIR filtering within the internal DSP ensures a perfectly phase-coherent response, while control with our Pro=Link software provides flexible tuning for any venue or configuration.

With a 4.0" LF driver voice coil and a 2.87" high-frequency voice coil, WLA-112A delivers 680 W continuous and 1360 W peak power with a maximum SPL of 133 dB @ 1 m. Built from premium birch plywood and equipped with integral rigging, it's a powerful, refined and ready-to-fly active array solution for professional touring and installation environments.

Key Features

- ✓ Array Element, Coaxial 2-way
- ✓ 12" LF Driver
- ✓ 1360 W Peak
- ✓ 133 dB Max SPL @ 1m
- ✓ 680 W Continuous
- ✓ Birch Plywood



Specifications

Specification	Value
Active / Passive	Active
System Type	Array Element
Configuration	Coaxial 2-way
System Continuous Power	680 W
System Peak Power	1360 W
Max SPL @ 1m	133 dB
System Peak SPL	139 dB
Sensitivity 2.83 V / 1 m	101 dB
Frequency Response (+/-3dB)	55 Hz - 20 KHz
Frequency Range (-10dB)	35 Hz - 25 KHz
Crossover Frequency	1.2 kHz
Bluetooth	No
Input Connector	Balanced Socket XLR
Link Connector	Balanced Socket XLR
LF Driver Size	12"
LF Magnet Material	Ferrite
LF Frame Material	Aluminium
LF Voice Coil Size	4"
HF Driver Type	Compression Driver
HF Voice Coil Size	2.87"
HF Diaphragm Material	1.5"
HF Power (RE:AES2-2012)	80 W
HF Rated Impedance	16 Ω
Nominal Coverage (H x V)	100° x System dependant

Specifications (continued)

Specification	Value
Vertical Splay Angle Range	0°- 5° – 10° – 15°
Horizontal Splay Angle	15°
Amplifier design	Class D
Driver Protection	Independent LF/ HF RMS and Peak Limiters
Thermal Protection	Amplifier Shut Down. Auto Reset
DC and Short Protection	Yes
Clip Limiter	Yes
Signal Processing	DSP Based, 8 FIR Presets
Low Line Voltage Shut Down	60% Nominal Line Voltage
Limiter Indicator	Red LED
Signal Indicator	Green LED
Power/Active Indicator	White LED
Find Function Indicator	Blue LED
Active loudspeaker Input Impedance	Balanced: 10 KΩ
Input sensitivity	+4 dBu
Max Input Level	+18 dBu
Update	USB Type B
Network (RS485)	RJ45
Cabinet Type	Trapezoid
Enclosure Material	Birch Plywood
Grille Material and Finish	Powder Coated Perforated Steel
Finish	Black Tough-Tone
Handles	2 side / 2 back
Deployment	Flying, Ground, Pole
Pole Mount	35 mm Dual Angle -2.5° / +7.5°

Specification	Value
Brackets Included	Yes
Rigging	Yes
Integral Rigging	3 Points
Main Power	AC 100-120 V~ and 220-240 V~, 50/60 Hz Automatic
Power Supply	High Efficiency Dual Switching Mode Power Supply
Included Accessory	User Manual, WLA-RH3 Rain hood
Unpacked Width	566 mm
Unpacked Rear	566 mm
Unpacked Depth	465 mm
Packed - Height	410 mm
Packed - Width Front	550 mm
Packed - Width Rear	550 mm
Packed - Depth	661 mm
Net Weight	30.4 kg
Gross Weight	32.8 kg