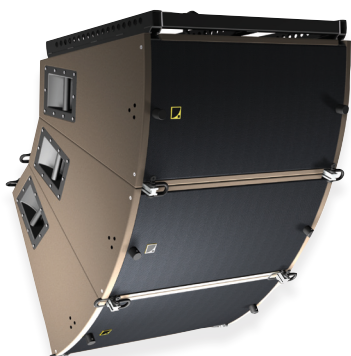




# ARCS II SYSTEM

## CONSTANT CURVATURE WST LINE SOURCE



The ARCS®II (Arrayable Radial Coherent System, generation II) has benefited from a design exploiting the Wavefront Sculpture Technology® in a constant curvature line source solution. Intended for the medium to large rental productions, it delivers remarkable power, bandwidth and coherence, along with a flexible and predictable coverage. Besides, it offers the audience an incomparable listening experience featuring clarity, precision and impact. The main system components are as follows:

- ARCS II, full-range element, operating from 50 Hz to 20 kHz;
- SB28, low-frequency element, operating down to 25 Hz;
- LA4X/LA8 amplified controllers or LA-RAK, touring rack fitted with three LA8.

The ARCS II enclosure offers a number of improvements over the previous generation, the major of them being the K1 grade transducers for more resources and lower weight. It also features a new front grill for enhanced durability and cosmetics, and is driven by a single factory preset to accommodate any applications efficiently.

An ARCS II line source can be deployed either horizontally or vertically, with a coverage angle that is proportional to the number of enclosures in the array ( $N \times 22.5^\circ$ ). On the other plane, vertical or horizontal respectively, the ARCS II line source provides an asymmetrical coverage angle of  $60^\circ$  ( $20^\circ/40^\circ$ ). The orientation of the ARCS II enclosures within the array determines the asymmetric distribution, allowing the use of a horizontal ARCS II line source either for upward or downward coverage.

The ARCS II can be quickly deployed as a tightly-packed front of house system for medium throw applications with high SPL, LF impact and excellent stereo imaging. Thanks to its precise and flexible coverage capability, other applications include distributed system, center cluster for theatrical work, sidefill monitoring, flown or stacked center fill, stereo front fill, offstage fill or delay system for concert audiences in stadia and arenas. Before installation, any system configuration can be acoustically and mechanically modeled with the SOUNDVISION 3D simulation software.

As a distribution platform for power, audio signals and network, the LA-RAK touring rack fitted with three LA8 amplified controllers is the heart of the system. Thanks to dedicated factory presets, it constitutes an extremely advanced and precise drive system for the enclosures. In high-end installation projects, the LA4X amplified controller can deliver maximum power headroom and the best possible performances. All L-ACOUSTICS amplified controllers feature the L-DRIVE, a thermal and over-excursion protection circuit.



Up to 253 amplified controllers can be connected together via the Ethernet-based L-NET protocol. The LA NETWORK MANAGER software allows online remote control and monitoring of all the connected units, via a user-friendly and intuitive graphic interface, and features the Array Morphing EQ. This exclusive tool allows the engineer to quickly adjust the tonal balance of the system to reach a reference curve or to ensure consistency of the sonic signature.



## ARCS II SYSTEM COMPONENTS

### ARCS II<sup>1</sup>

Full range active 2-way WST enclosure  
(provided with 2 coupling bars).  
Bandwidth = 50 Hz - 20 kHz.



### SB28<sup>1</sup>

Reference subwoofer enclosure,  
LF limit = 25 Hz.



### LA4X/LA8/LA-RAK/LA NETWORK MANAGER<sup>1</sup>

Amplified controllers with DSP library  
and networking capabilities.  
Touring rack.  
Remote control software.



### ARCPLA/ARCS II COV

Removable front dolly board.  
Protective cover.



### BUMP3

Rigging structure for flying a horizontal array.



### LIFTBAR

Rigging bar to use with 2 BUMP3 for flying a  
horizontal array.



### ARCBUMP

Rigging structure for flying a vertical array  
(provided with 2 coupling bars).



### SOUNDVISION

3D electro-acoustic and mechanical simulation  
software dedicated to L-ACOUSTICS® products.



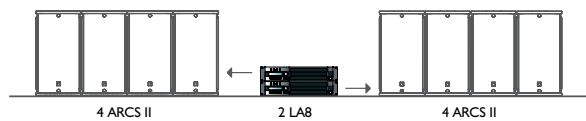
<sup>1</sup> See product spec sheet for more details.

## ARCS II SYSTEM CONFIGURATION

### STANDALONE ARCS II LINE SOURCE

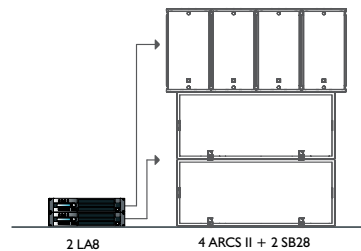
Deployed as a standalone line source, an ARCS II system operates  
over the nominal bandwidth of the ARCS enclosures. An LA4X can  
drive up to 2 ARCS II enclosures. An LA8 can drive up to 4 ARCS II  
enclosures.

Preset: [ARCS II]

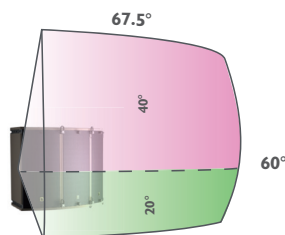


### ARCS II LINE SOURCE + SB28

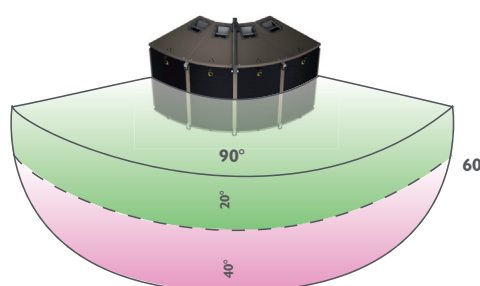
Deployed with SB28 as additional LF element, the ARCS II system  
provides an enhanced LF contour. An LA4X can drive up to 2 ARCS  
II enclosures. An LA8 can drive up to 4 ARCS II or 4 SB28 enclosures.  
Presets: [ARCS II] + [SB28\_60] or [SB28\_60\_C]



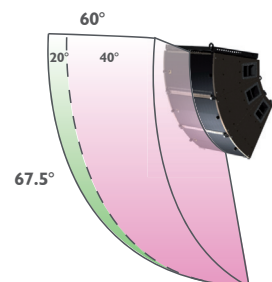
### COVERAGE EXAMPLES



**Horizontal - upward**  
3 ARCS II 67.5° x 60°



**Horizontal - downward**  
4 ARCS II 90° x 60°



**Vertical**  
3 ARCS II 60° x 67.5°