



≡ **What is ARCS II?**

ARCS II is a constant curvature line source element featuring the award-winning WST® technology. It is designed to be deployed with the SB28 subwoofer or as a standalone fill system. It is a replacement for the ARCS reference and targeted at the rental productions and fixed installation projects requiring very high audio performance in a tightly packed and easy to use system.

≡ **What are the main differences with the original ARCS?**

The main improvements of ARCS II over ARCS are:

- New "K1" HF and LF neodymium drivers
- Improved audio performance and higher SPL (140 dB)
- Reduced weight (7 kg less than ARCS)
- New front grill featuring AirNet fabric (improved aesthetics and durability)
- New connector plate for easier HF component maintenance.

≡ **What amplification/DSP platform is necessary?**

ARCS II is driven exclusively by the LA8/LA-RAK platform which ensures advanced filtering, system protection and predictable performance.

≡ **Are ARCS enclosures planned to be discontinued?**

ARCS is to be discontinued on December 31st, 2011.

≡ **Is ARCS II compatible with ARCS?**

The ARCS II features a dedicated preset library with a new enclosure tuning. Both are optimized for the new K1 LF/HF drivers. L-ACOUSTICS does not recommend mixing enclosures. The rigging, protection and transportation accessories are compatible but the 2 coupling bars are now packaged with each enclosure.

≡ **Is there an upgrade kit for ARCS?**

No, as the front grill/fabric ensemble fastening system and the new driver dimensions require dimensional and structural modifications on the cabinetry.

≡ **What are the benefits of a constant curvature line source?**

A constant curvature line source offers the following benefits:

- Capacity to cover an audience with fewer boxes for medium-throw applications
- Simplified and ultra-quick set-up (fixed inter-element angles of 22,5°)
- Intuitive and easily predictable coverage pattern $C = 60^\circ \times (22,5^\circ \times N)$
- Ideal solution when flying is not possible
- Tightly packed arrays are compact, light and preserve sightlines
- Very cost effective and easy solutions at no detriment of performance
- Consistency of tonal balance over distance

≡ **What are the typical applications?**

ARCS II can be used as a full range FOH system with SB28 subwoofers:

- High SPL and reinforced LF contour ideal for live rock concerts
- Large live clubs, concert venues, outdoor events
- Medium throw of up to 35 m, typical gauge up to 2000
- Various directivity patterns for L/R and central clusters.
- ARCS II can be used as a fill complement to a large FOH system (K1, KUDO):
- High SPL and extended LF response with SB28
- Outdoor festivals, international tours in stadia and arena
- Excellent control of directivity for front-fills, side-fills, in-fills, delays.

≡ **What is the recommended rental kit for FOH?**

L-ACOUSTICS recommends a FOH rental kit of 6 ARCS and 4 SB28 (or 8 SB18 alternatively).

