

Press Release

Stoll CFR 2610 Convertible also suitable as fullrange line array



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The Stoll CFR 2610 Convertible can either be used as a point source radiator (CPS, Coaxial Point Source) or as a line array (SLA, Single Line Array). In both operating modes the Stoll CFR 2610 Convertible achieves an uncompromising sound quality that even surpasses conventional dedicated point source types as well as line arrays. The application in an Extended Convertible Double Row is another unique feature, resulting in a high performance fullrange system with a cutoff frequency below 40 Hz. The system presented at the prolight + sound (Frankfurt, 1-4 April 2009, Booth 8.0 G01) offers a radiating surface and bass performance which equals those of eight typical 18" drivers with a voice coil of approx. 200mm and a nominal power handling of more than 1500W each.



Picture: Stoll CFR 2610 Convertible

The Stoll CFR 2610 Convertible can either be used as a point source radiator (CPS, Coaxial Point Source) or as a line array (SLA, Single Line Array). Choosing the transfer module (TML for Line or TMP for Point) and loading the appropriate DSP setup will select the operating mode and radiation pattern. In both operating modes the Stoll CFR 2610 Convertible achieves an uncompromising sound quality that even surpasses conventional dedicated point source types as well as line arrays.

The application as an Extended Convertible Double Row is another unique feature. For this purpose each Stoll CFR 2610 Convertible is complemented with a Stoll CXL 2600 Extender. Alternatively the Stoll CFR 2610 may be used with an Extender Transfer Module (TMX). In addition half of the bass reflex ports must be obstructed and a specific stepdown DSP setup selected.

Stoll Audio

Schorenweg 51
CH - 4058 Basel
Tel. + 41 (0)61 691 83 88
Fax + 41 (0)61 691 83 54
www.stollaudio.ch

The Extended Convertible Double Row Line provides a high performance fullrange system with a lower cutoff frequency of under 40 Hz. Apart from raising the acoustic output in the low range by 6dB, the horizontal low-frequency radiation characteristic will become better controllable due to the Extenders being driven separately. As the sound sources are not split into subwoofers and tops, the result is a coherent and homogeneous reproduction.

The Stoll Convertible Double Row system presented at the Prolight + Sound (Frankfurt, 1-4 April 2009, Booth 8.0 G01) consists of five Stoll CFR 2610 Convertibles in line mode, five Stoll Convertibles in extender mode plus one Stoll CFR 2610 in point mode (as down/nearfill) and offers a radiating surface and bass performance which equal those of eight typical 18" drivers with a voice coil of approx. 200mm and a nominal power handling of more than 1500W each. So we can do without subwoofers which will result in a better use of space and a more even coverage of the audience. At the same time a better and coherent sound with a more controlled radiation is achieved. Thus the professional has a tool at hand which not only produces a unique sound quality, but also offers the benefits of a true "convertible", i.e. a flexible and versatile system.

<http://www.stoll-speakers.com>

Stoll Audio has been active in the field of electroacoustics for more than 20 years. Our primary business areas are sound reinforcement technology, PA and stage systems, studio monitoring technology, custom-made products as well as engineering and measuring technology. In these areas we offer a broad range of individual integrated concepts for an optimised audio transmission and sound quality.

In case of queries and for additional information please contact:

Christian Wanner
Stoll Audio
Mobile: +41 (0)79 219 79 22
E-Mail: christian.wanner@stollaudio.ch