S O U N D   P R O J E C T S

Linex

The sound reinforcement system shall hold two 1.4" HF drivers, each on a horn with a horizontal dispersion of 90 degrees and a vertical dispersion of 2.5 degrees, four low-weight neodymium 6.5" drivers and two low-weight neodymium 12-inch drivers. The maximum peak output of the total system shall be 144dB at 1m. The system shall have a 60Hz-20kHz frequency range. The system shall have a 90 degrees horizontal and 5 degrees vertical coverage angle.

The cabinet shall be constructed of carbon-fiber composite, covered by a protective polyurethane coating. The total system weight shall be 40kg only.

The system shall be a 3-way / 4-channel driven module within an array of sound reinforcement systems.

The system shall have a software prediction tool to determine the angles between adjacent cabinets and the settings for the processing unit.

Acoustical specifications:
- Drivers:

LF1 Transducer (pin 1)	12"
LF2 Transducer (pin 2)	12"
MF Transducer (pin 3)	4 x 6,5"
HF Transducer (pin 4)	2 x 1.5" (3"diaphragm)

- Freq. response:	65Hz-18kHz
- Max. peak SPL @1m:	144dB c.f. 2 (6 dB)
- Coverage angle:	90H x 5V Degrees

Electrical specifications:

LF1 Rec. AMP Power	1200W @ 8ohm
LF2 Rec. AMP Power	1200W @ 8ohm
MF Rec. AMP Power	600W @ 8ohm
HF Rec. AMP Power	600W @ 8ohm
Sensitivity (LF/MF/HF)	98/106/115dB
	(1W@1m)

Additional descriptive data:

- Cabinet construction:	carbon fiber composite
- Finish:	PU coating
- Weight:	40 kg
- Size WxHxD (mm):	600x345x560
- Rigging points:	Fully Integrated Easy-rig Flying System.
- IP rating:	IP 54

Specifications subject to change without notice

- Audio Connectors:
  2 x Neutrik NL8 – daisy chained
  pin 1 - LF1 @ 8ohm
  pin 2 - LF2 @ 8ohm
  pin 3 - MF @ 8ohm
  pin 4 - HF @ 16ohm
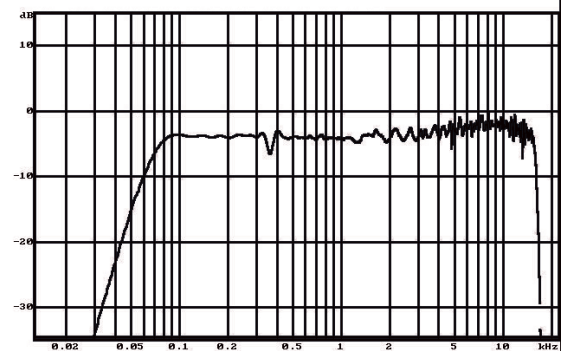- Max. operating temp.: -10 to 40 C ambient

Technical specs for a 4 cabinet flat array:

System	4 x Linex™
Frequency response	65Hz - 18kHz
Cont. SPL (AES standard)	145 dB @ 1m

Technical specs for a 4 cabinets curved array:

System	4 x Linex™
Frequency response	65Hz - 18 kHz
Cont. SPL (AES standard)	142 dB @ 1m

Fig1. Typical frequency response of a curved Linex™ array