

Tender specification text

SEEBURG acoustic line

X 1 dp

Multi-functional full-range system with 6.5" Nd low-mid and 1" Nd HF drivers. Optimised for use as a universal monitor or front-fill, and as a single system. The coaxial construction and large area 124 x 98 mm rotatable horn ensure even response on or off axis. High-power neodymium magnets and long-excursion voice coils allow compact dimensions combined with high efficiency and reduced distortion. The integrated digital amplifier electronics are based on high-efficiency Class D amplifier stages, coupled with low-noise FPGA DSP processing. Various default presets and volume settings are available for selection. Electronic simulation of a transformer balanced input provides additional protection against disturbances caused by external interference.

The analogue XLR inputs double as the input for installing custom presets to cater for specific room situations. Software upgrades can be installed via the Ethercon connector, which also allows connection to AES 67 audio streams and remote monitoring and control.

Four M10 mounting points are provided for easy and flexible installation with the mounting accessories.

Cable connectors are situated on the lower surface to allow unobtrusive cabling.

The enclosure is constructed from high quality birch plywood, and RAL 9005 black plastic coated.

Custom colours are available.

Simulation data are available for Ease, Ulysses and CATT, and for the array-calculation software EASE Focus III.

Product Specifications:

Speaker Components:	6,5" Neodym Vc = 50 mm (2"), 1" HF Neodym Vc = 44 mm (1,7")
Amp Power:	LF: 280 W AES / 110-230 V, HF: 175 W AES / 110-230 V
Max. Input Signal:	25 dBu
Maximum Level SPL:	120 dB (Peak @ 1 m)
DSP:	HDLM FPGA Processing 32 bit floating point
Latency:	0,8 ms (analog in to analog out)
Usable Range:	80 Hz - 19 kHz (- 6 dB)
Coverage (horizontal / vertical):	90° x 60° (Horn drehbar)
Connectors:	1 x Neutrik XLR in, 1 x Neutrik PowerCon in, 1 x RJ45 (Ethercon)
Rigging / Fittings:	4 x M10
Size (height x width x depth):	31,0 x 20,0 x 22,0 cm
Weight:	5,5 kg

Accessories and data sheets: www.seeburg.co