

Multifunctional Coaxial Sound System - digitally powered **X1 dp**



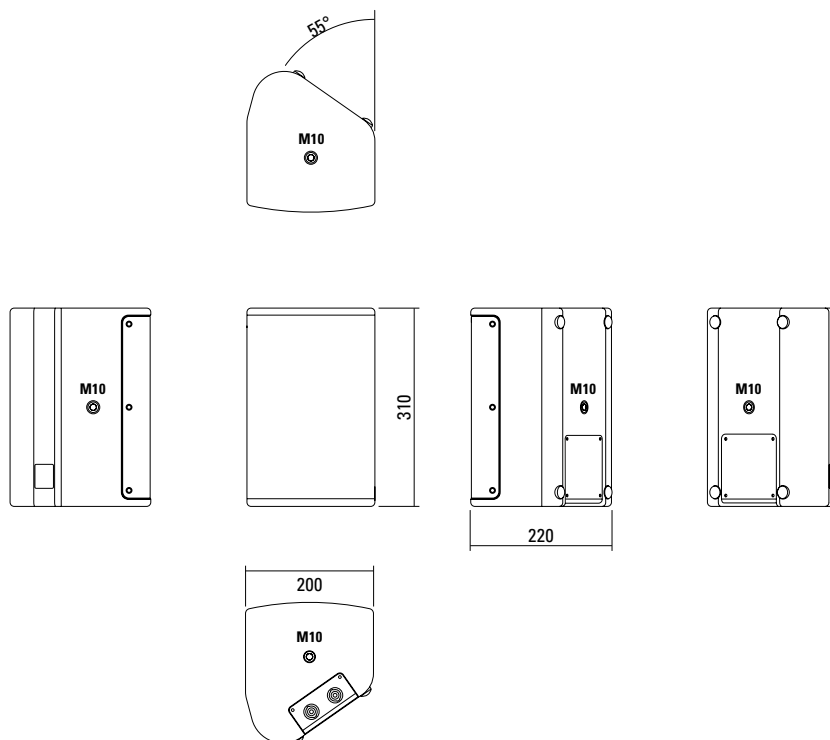
Multifunctional premium-class compact Two-way system. The coaxial configuration in combination with a carefully designed large-area horn ensures absolutely constant response even off the main axis. High-power Neodymium drivers and long-excursion coils provide high efficiency and reduced distortion. Four M10 threaded mounting points are available to mount accessories for installation or mobile applications. The integrated amplifier electronics deliver 280 / 175 watts (AES) and are based on Class D power amplifiers, which are controlled via particularly low-noise FPGA DSP processing. Various factory-configured presets and volume settings can be called up. Remote monitoring and control is carried out via the Ethernet interface using SEEBURG Network Manager. Signal transmission (AoE) in accordance with the AES 67 standard is also possible.

PRODUCT SPECIFICATIONS

Speaker Components	6,5" Nd (2" VC) / 1" Nd (1,7" VC)
Description	Multifunctional Coaxial Sound System
Amp Power AES	LF: 280 W / HF: 175 W / 110-230 V
Rated Current	0,2 A
SPL Peak @ 1 m	120 dB
Max. Input Signal	25 dBu
DSP	DPLMx FPGA Processing 32 bit floating point
AD / DA	24 bit / 96 kHz
Latency	0,8 ms (analog in to analog out)
Usable Range	80 Hz - 19 kHz (-6 dB)
Tuning Frequency excursion minimum	90 Hz
X - Overpoint acoustical	Depends on preset
Coverage horizontal / vertical	90° x 60° - rotatable
Connectors	XLR in, Ethercon Powercon in
Rigging / Fittings	4 x M10
Weight	5,5 kg
Size height x width x depth	31,0 x 20,0 x 22,0 cm
Order No.	01090/dp

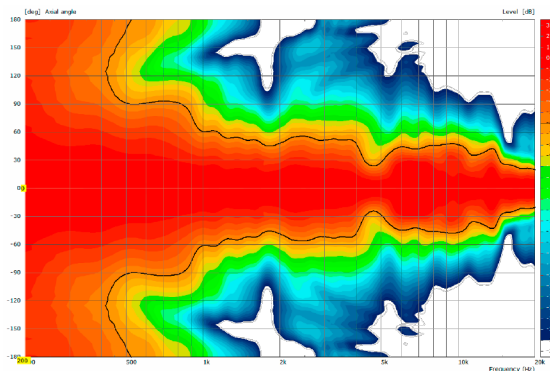


DIMENSIONS

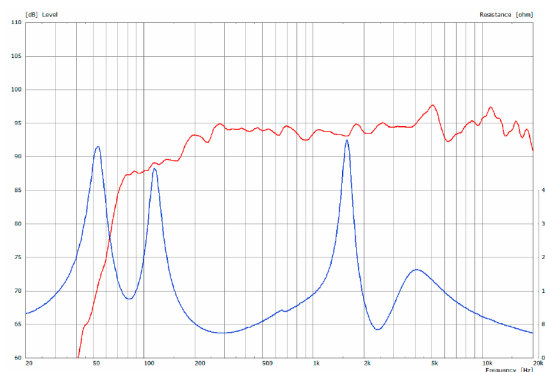


MEASUREMENTS

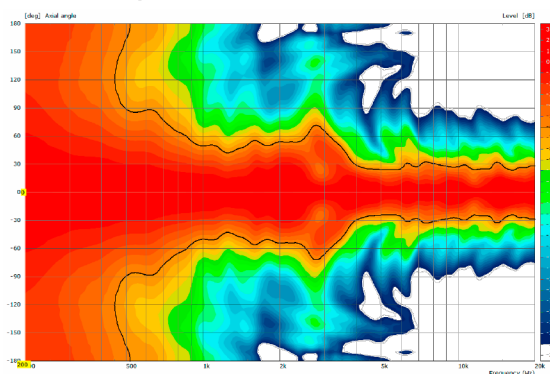
2D Directivity Plot - horizontal



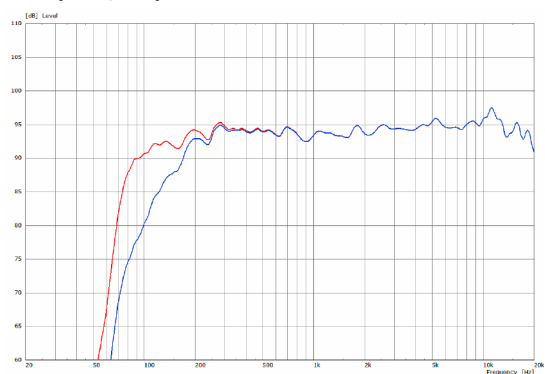
Sensitivity 1 W @ 1 m + Impedance



2D Directivity Plot - vertical



Frequency Response with Presets



The X 1 dp features integrated digital amplifier electronics with a DSP controller (dp = digitally powered). Various factory-configured presets and volume settings can be called up directly on the box or via a network connection.

High-grade electronic components from the industrial sector and a first-class circuit design ensure excellent audio quality with low distortion and a minimal noise floor. Highly efficient and "intelligent" limiter systems ensure optimum protection against overload, without restricting the possibilities offered by this high-performance sound system.

 [Presets > Quick Start Manual](#)

Level

Adjustment in 3 dB steps (-12 dB to +6 dB).

Status

Mute LED

Red light when the system is muted or under technically critical conditions.

Limit LED

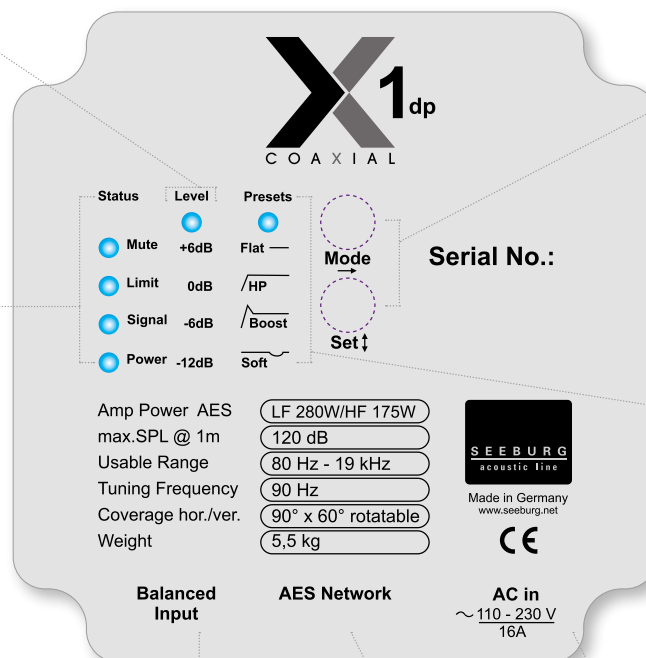
Yellow light when the limiter is restricting the level.

Signal LED

Green light when the input signal exceeds -20 dBu

Power LED

Green light when the system is switched on.



Mode - key

Switches between control modes: Status, Level and Presets.

Set - key

Setting of various values and Mute on / off.

Presets

Flat

This setting provides a linear frequency response with a neutral sound characteristics. Standard setting for many applications.

HP

Switches in a high pass filter for use in combination with a subwoofer.

Boost

The same neutral response as the „Flat“ setting, but with the addition of a bass boost.

Soft

Reduces the level in the frequency range from 2.5 - 5 kHz, to which the ear is particularly sensitive. This setting is recommended for high level reproduction of highly compressed music tracks.

XLR

- Symmetrical analog input.
- Effective filter protection against HF interference and DC Voltages.
- Electronically balanced to prevent noise.

Ethercon

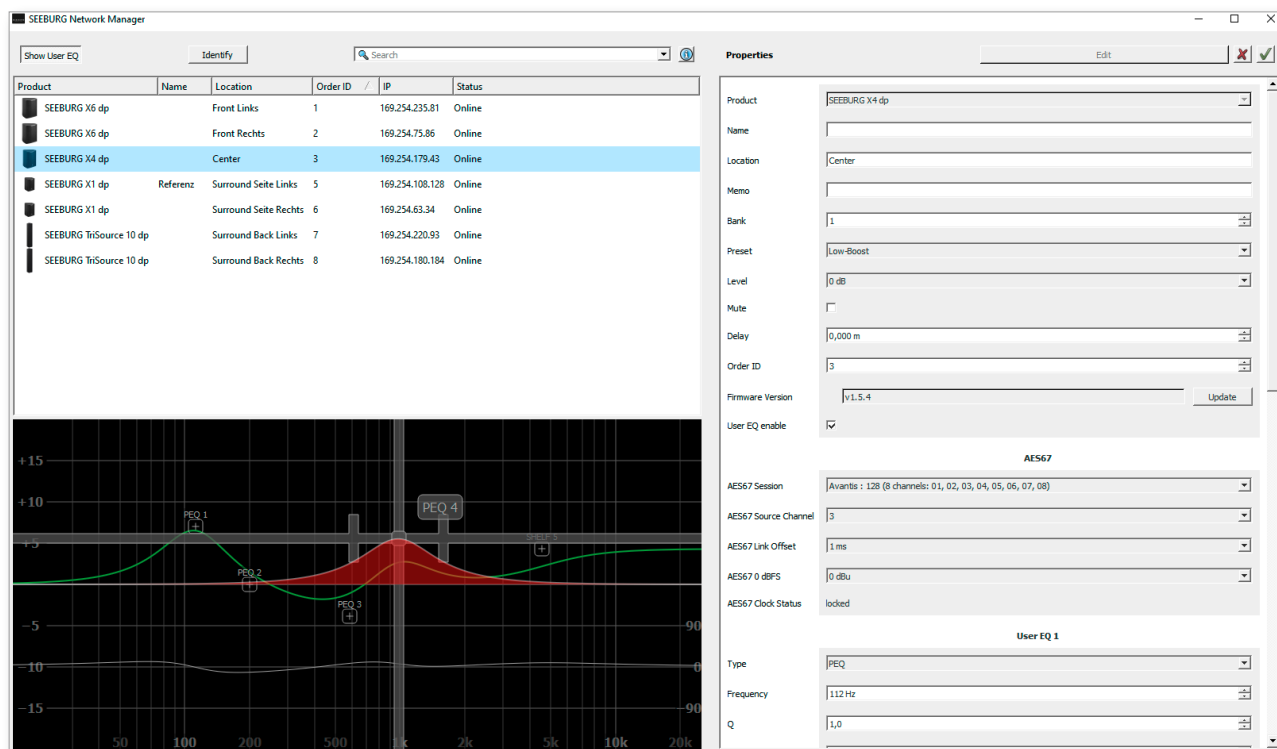
Interface for remote control and audio transfer via ethernet (AES 67).

Powercon (blue)

Power supply
~ 110-230 V / 16 A max.

SEEBURG NETWORK Manager

With the Software SEEBURG Network Manager all selfpowered systems can be controlled via network.



Features:

- > **Remote control** of functions such as recalling presets and banks, level control and mute, and locking the controls on the loudspeakers.
- > **Visual display** of all systems connected to the control network.
- > Storable names and location labels with a **global search function**.
- > **Selection of loudspeakers** in the list for simultaneous set-up and control changes.
- > **Fully parametric user EQs and delay settings** for time alignment, with a graphical user interface
- > **Time Delay** with up to **2.8 seconds runtime**.
- > **Audio-over-Ethernet (AoE) via AES 67.**
- > Connection with **media control systems** via **API**.
- > Basic **network settings**.
- > **Documentation** is available **online**.
- > **Identification function** by way of flashing LEDs on the dp loudspeaker systems.
- > **Firmware updates** can be applied.



Quick Start Guide:

www.seeburg.com > DOWNLOADS > User Manuals

AES NETWORK interface

All selfpowered systems are equipped as standard with an **AES Network interface**.

This is used for **remote control** via the **SEEBURG Network Manager** and for **Audio-over-Ethernet (AoE) audio transmission** via **AES 67**.



AES Network

ACCESSORIES X 1 dp

Flying J-Bracket



for A 1 / GL 8 / X 1 / X 2 / TS Nano,
horizontal and vertical alignment,
incl. (white version: 1 x M10 x 20
socket head screws, black version:
1 x M10 x 20 adjustable handle screw)
Order No. **01200/set/w** (RAL 9010)
Order No. **01200/set**

Handle Screw



for flying brackets,
adjustable
M10 x 20
Order No. **08375/20**

Flange



with ball and socket joint,
with additional locking screw,
M10 x 15, max. load 15 kg
Order No. **08125**

Knurled Head Nut



reduction screw for fastening
M10 Pole Mount Adapter (08126)
Order No. **73755**

Pole Mount Adapter



35 mm \varnothing \rightarrow M10 x 16 mm,
M8 x 20 star knob screw
Order No. **08126**

35 mm \varnothing \rightarrow M10 x 16 mm
Order No. **08126/II**

Wall Mount



for permanent installation,
incl. tilt angle stop,
M10, max. load 15 kg
Order No. **08131/F/w** (RAL 9010)
Order No. **08131/F**

Wall Mount



ball and socket joint flange (08125)
+ 08125/plate
Order No. **08125/set**

Quick Trigger Clamp - small



M10, max. load 20 kg
Order No. **01223/20 kg**

Truss Clamp



incl. M10 Adapter,
max. load 15 kg
Order No. **01221**

Ring Screw



M10– DIN 580
Order No. **73700** (zincd)
Order No. **73700/sw** (black zincd)

Steel Safety



4 mm x 600 mm, black,
max. load 10 kg (BGI 810-3),
quick connector undetachably
Order No. **01376/4**

Bag



for 2 x A 1 / 2 x TS Nano / 2 x X 1,
padded with pocket for accessories
Order No. **01249**

Hybrid Cable System



PowerCon-PowerCon / XLR-XLR
2,5 m Order No. **08462**
5 m Order No. **08464**
10 m Order No. **08466**
15 m Order No. **08468**

