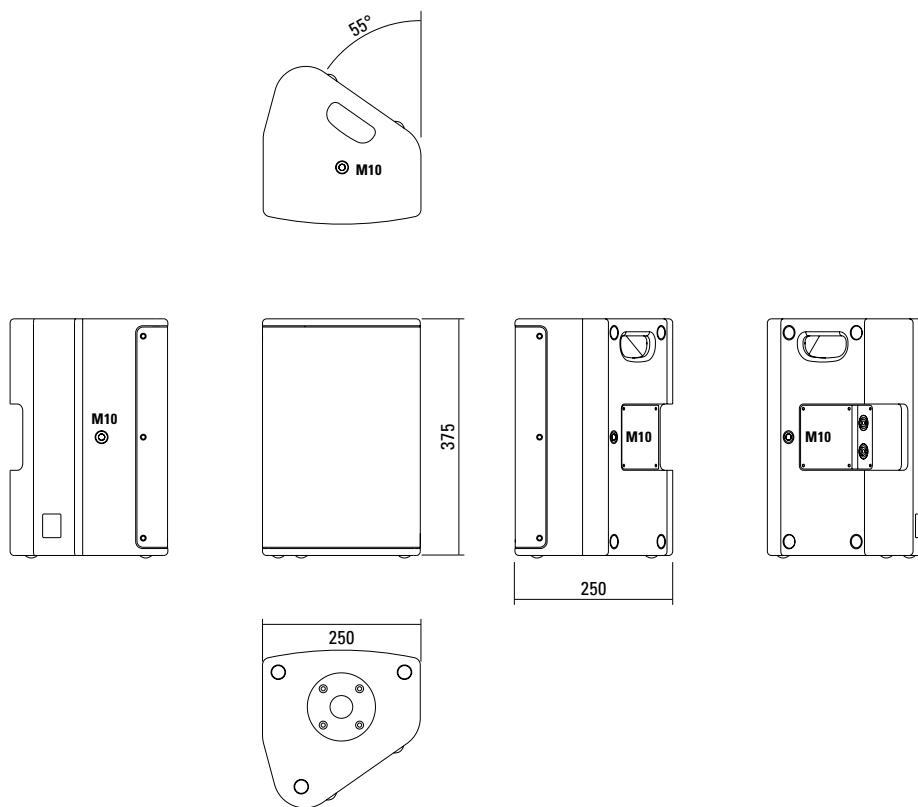**X2dp**
COAXIAL

Multifunctional premium-class compact 2-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 Neodym drivers and long-excursion coils provide high efficiency and reduced distortion. Three M10 threaded mounting points are available to mount accessories for installation or mobile applications. The integrated amplifier electronics deliver 500 / 220 Watt (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	8" Nd (2,5" VC) / 1" Nd (1,7" VC)
Description	Multifunctional Coaxial Sound System
Amp Power AES	LF: 500 W / HF: 220 W / 110-230 V
Rated Current	0,4 A
SPL Peak @ 1 m	124 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	70 Hz - 19 kHz (-6 dB)
Tuning Frequency excursion minimum	80 Hz
X - Overpoint acoustical	Depends on preset
Coverage horizontal / vertical	90° x 60° - rotatable
Connectors	XLR in, Ethercon, Powercon in
Handles	1 x
Rigging / Fittings	3 x M10 35 mm pole mount
Weight	8 kg
Size height x width x depth	37,5 x 25,0 x 25,0 cm
Order No.	**01091/dp**

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acoustic line

DIMENSIONS

55°
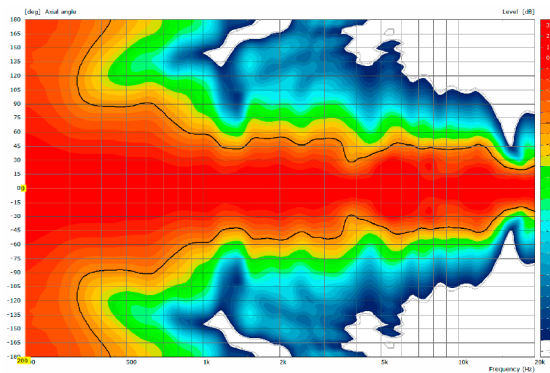
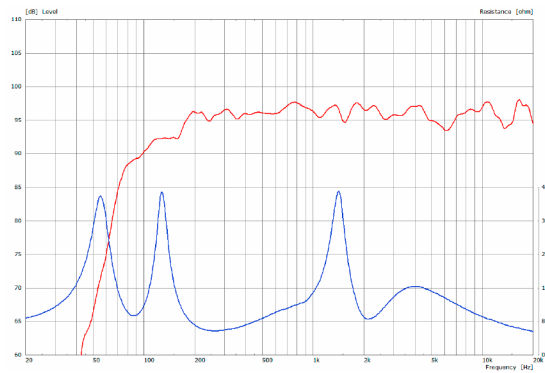M10

375

M10

M10

M10

250

250

MEASUREMENTS

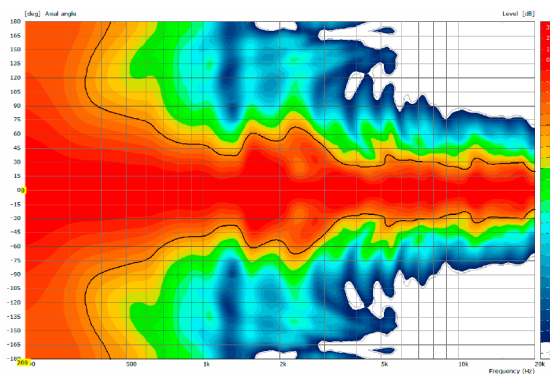**2D Directivity Plot - horizontal**

Sensitivity 1 W @ 1 m + Impedance

2D Directivity Plot - vertical

Frequency Response with Presets

SEEBURG
acoustic line
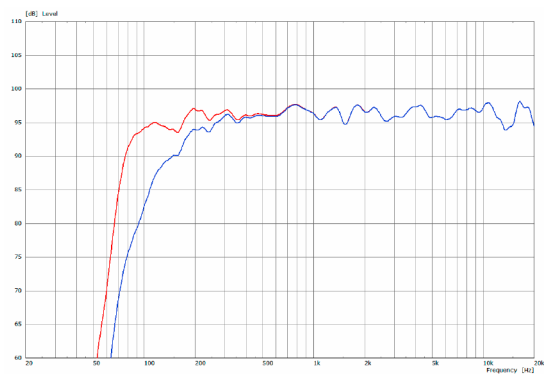
The X 2 dp features integrated digital amplifier electronics with a DSP controller (dp = digitally powered). Various factory-configured presets and volume settings can be called up directly on the box or via a network connection.

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.
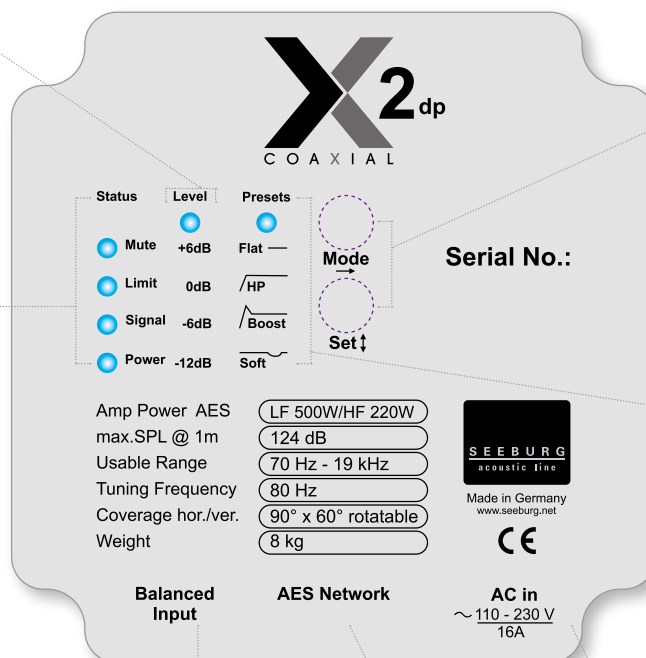
Limit LED
Yellow light when the limiter is restricting the level.

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.

X2 dp
COAXIAL

Status	Level	Presets
Mute	+6dB	Flat
Limit	0dB	HP
Signal	-6dB	Boost
Power	-12dB	Soft

Mode
Set

Serial No.:

Amp Power AES	LF 500W/HF 220W
max.SPL @ 1m	124 dB
Usable Range	70 Hz - 19 kHz
Tuning Frequency	80 Hz
Coverage hor./ver.	90° x 60° rotatable
Weight	8 kg

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acoustic line
Made in Germany
www.seeburg.net
CE

Balanced Input   **AES Network**   **AC in**
$\sim$ 110 - 230 V
16A

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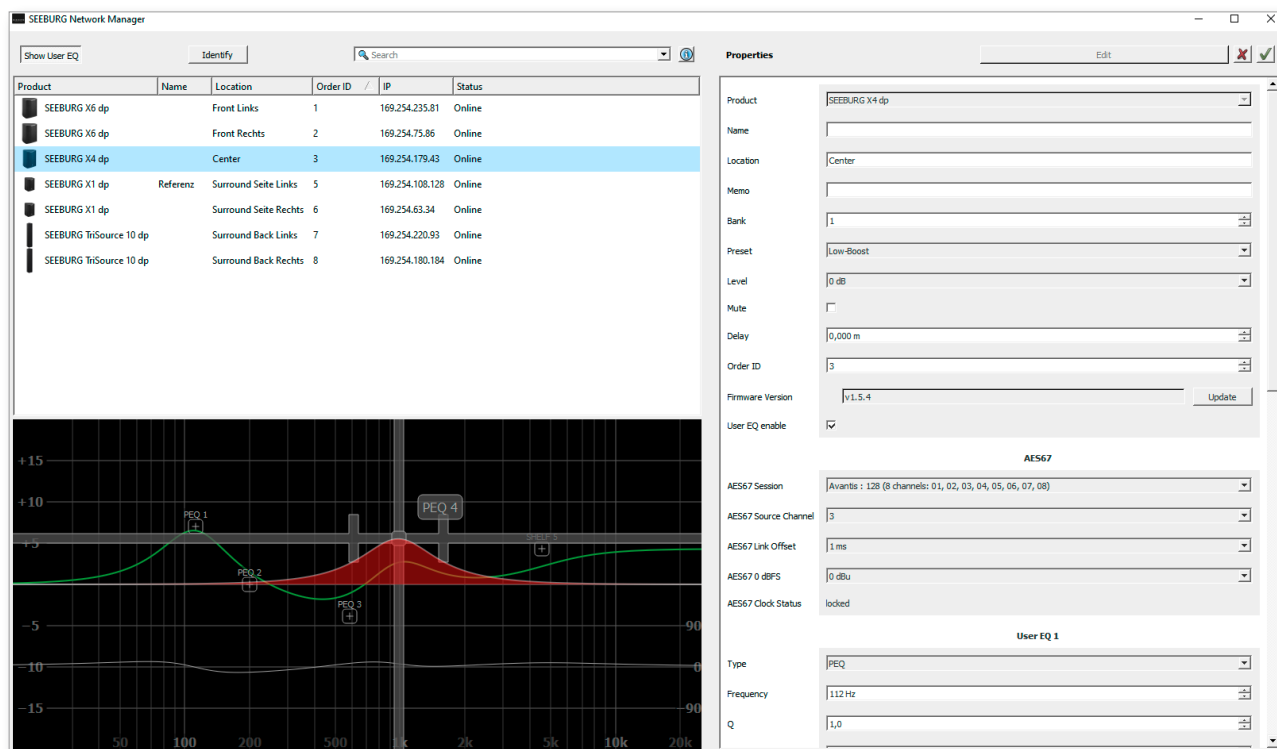- Electronically balanced to prevent noise.

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

Powercon (blue)
Power supply
$\sim$ 110-230 V / 16 A max.

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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 simultanious 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.

SEEBURG Network Manager > Quick Start Manual (pdf)

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

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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 ø –> M10 x 16 mm,
M8 x 20 star knob screw
Order No. **08126**

35 mm ø –> M10 x 16 mm
Order No. **08126/II**

Steel Safety

4 mm x 600 mm, black,
max. load 10 kg (BGI 810-3),
quick connector undetachably

Order No. **01376/4**

Quick Trigger Clamp

max. load 100 kg
Order No. **01223/100 kg**

Quick Trigger Clamp - small

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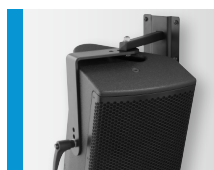
Truss Clamp

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

Ring Screw

M10– DIN 580

Order No. **73700**   (zinced)
Order No. **73700/sw**   (black zinced)

SEEBURG
a c o u s t i c   l i n e

ACCESSORIES X 2 dp

Wall Mount

ball and socket joint flange (08125)
+ 08125/plate

Order No. **08125/set**

Bag

for 2 x X 2 / 2 x TSM 8, padded
with pocket for accessories

Order No. **01245**

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**

Rain Cover

for X 2,
with zipper

Order No. **01225/X2/outdoor**

Wall Mount

bar: 269 mm, max. load 40 kg,
incl. (M10 x 70 mm socket head screw,
M10 hex lock nut and flat washer)

Order No. **08130/F/269/w** (RAL 9010)
Order No. **08130/F/269**

Flight Case Trunk

for 4 pcs. X 2, 4 x partition walls for
X 2 + accessories, heavy duty, 9 mm
birch multiplex, PVC coated black,
6 x recessed sprung handles, 2 x large
butterfly catches, 4 x 100 mm blue
wheels (2 pcs. with brake), interior
lined with felt, 29 kg
Size (H x W x D): 58 x 74 x 60 cm

Order No. **16555/4**

Wall Mount

with tilt unit, max. load 40 kg

Order No. **08130**

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**

Flight Case

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