



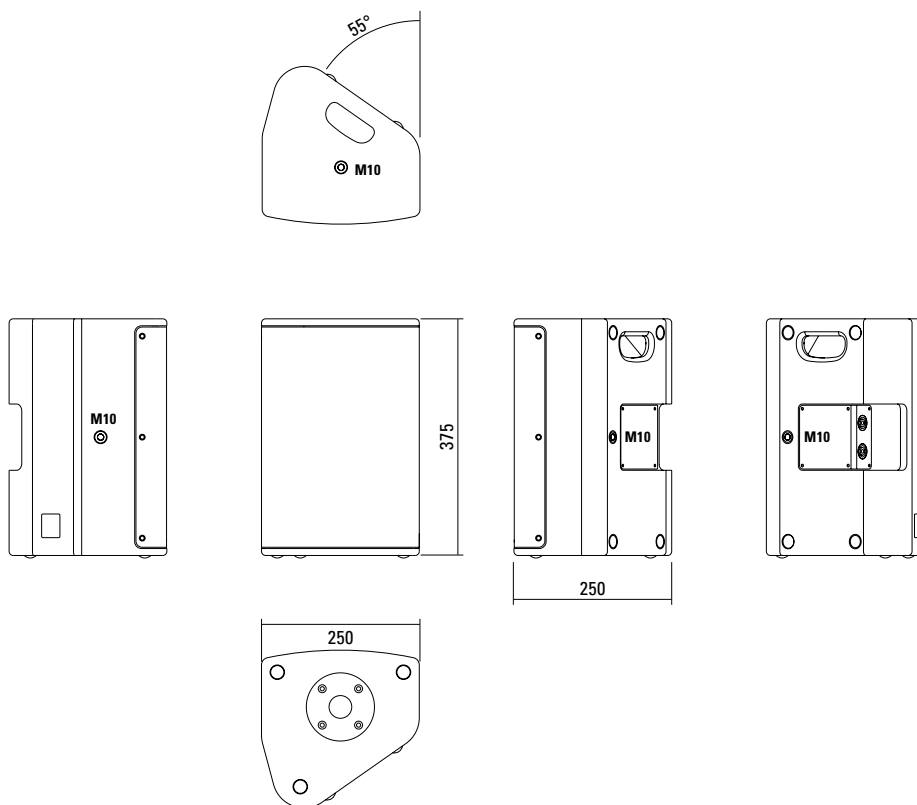
**Multifunctional premium-class compact 2-way system.** The coaxial configuration in combination with a carefully designed large-area horn ensures absolutely constant response even off the main axis. High-power Neodym drivers and long-excursion coils provide high efficiency and reduced distortion. Three 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

|                                           |                                             |
|-------------------------------------------|---------------------------------------------|
| <b>Speaker Components</b>                 | 8" Nd (2,5" VC) / 1" Nd (1,7" VC)           |
| <b>Description</b>                        | Multifunctional Coaxial Sound System        |
| <b>Amp Power</b> AES                      | LF: 500 W / HF: 220 W / 110-230 V           |
| <b>Rated Current</b>                      | 0,4 A                                       |
| <b>SPL</b> Peak @ 1 m                     | 124 dB                                      |
| <b>Max. Input Signal</b>                  | 25 dBu                                      |
| <b>DSP</b>                                | DPLMx FPGA Processing 32 bit floating point |
| <b>AD / DA</b>                            | 24 bit / 96 kHz                             |
| <b>Latency</b>                            | 0,8 ms (analog in to analog out)            |
| <b>Usable Range</b>                       | 70 Hz - 19 kHz (-6 dB)                      |
| <b>Tuning Frequency</b> excursion minimum | 80 Hz                                       |
| <b>X - Overpoint</b> acoustical           | Depends on preset                           |
| <b>Coverage</b> horizontal / vertical     | 90° x 60° - rotatable                       |
| <b>Connectors</b>                         | XLR in, Ethercon, Powercon in               |
| <b>Handles</b>                            | 1 x                                         |
| <b>Rigging / Fittings</b>                 | 3 x M10<br>35 mm pole mount                 |
| <b>Weight</b>                             | 8 kg                                        |
| <b>Size</b> height x width x depth        | 37,5 x 25,0 x 25,0 cm                       |
| <b>Order No.</b>                          | <b>01091/dp</b>                             |

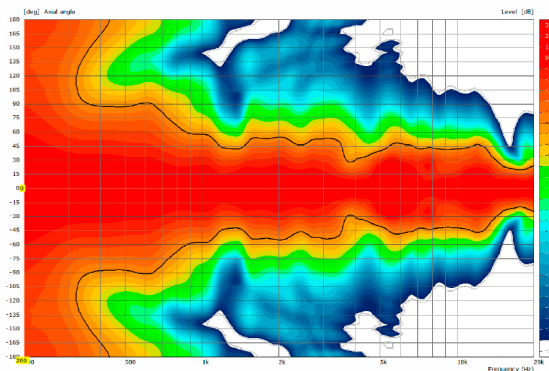


## DIMENSIONS

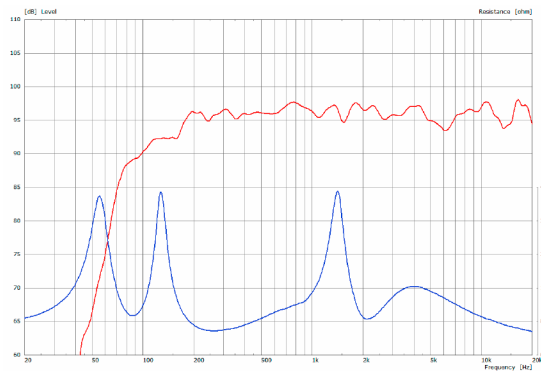


## MEASUREMENTS

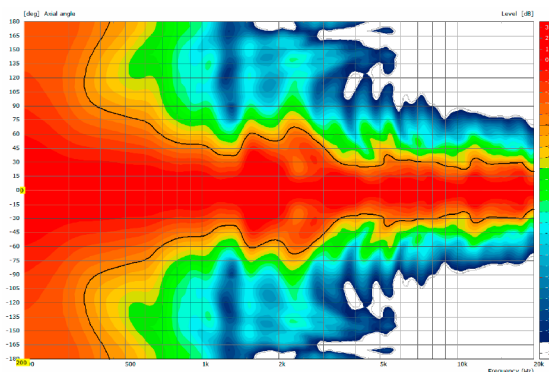
### 2D Directivity Plot - horizontal



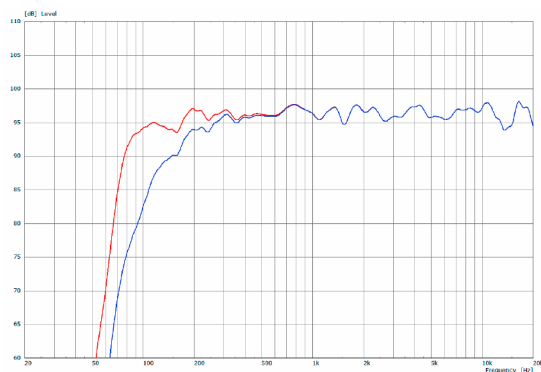
### Sensitivity 1 W @ 1 m + Impedance



### 2D Directivity Plot - vertical



### Frequency Response with Presets



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

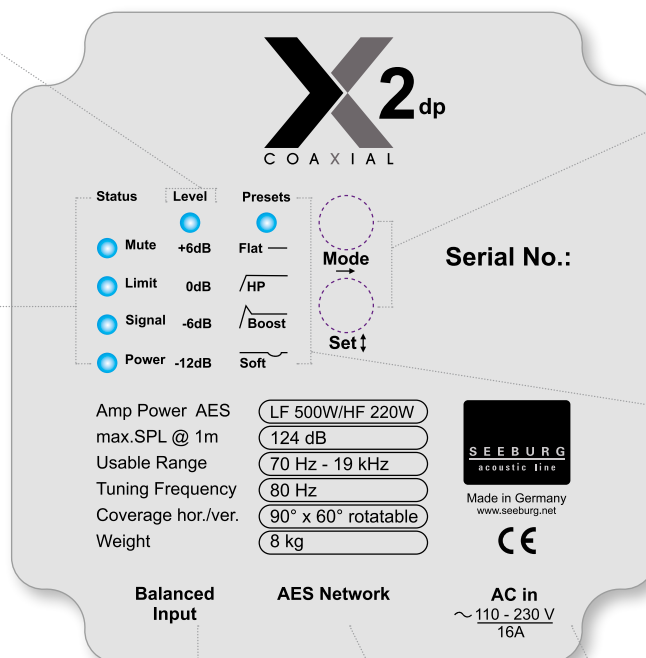
Yellow light when the limiter is restricting the level.

##### 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.

#### XLR

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

#### Ethercon

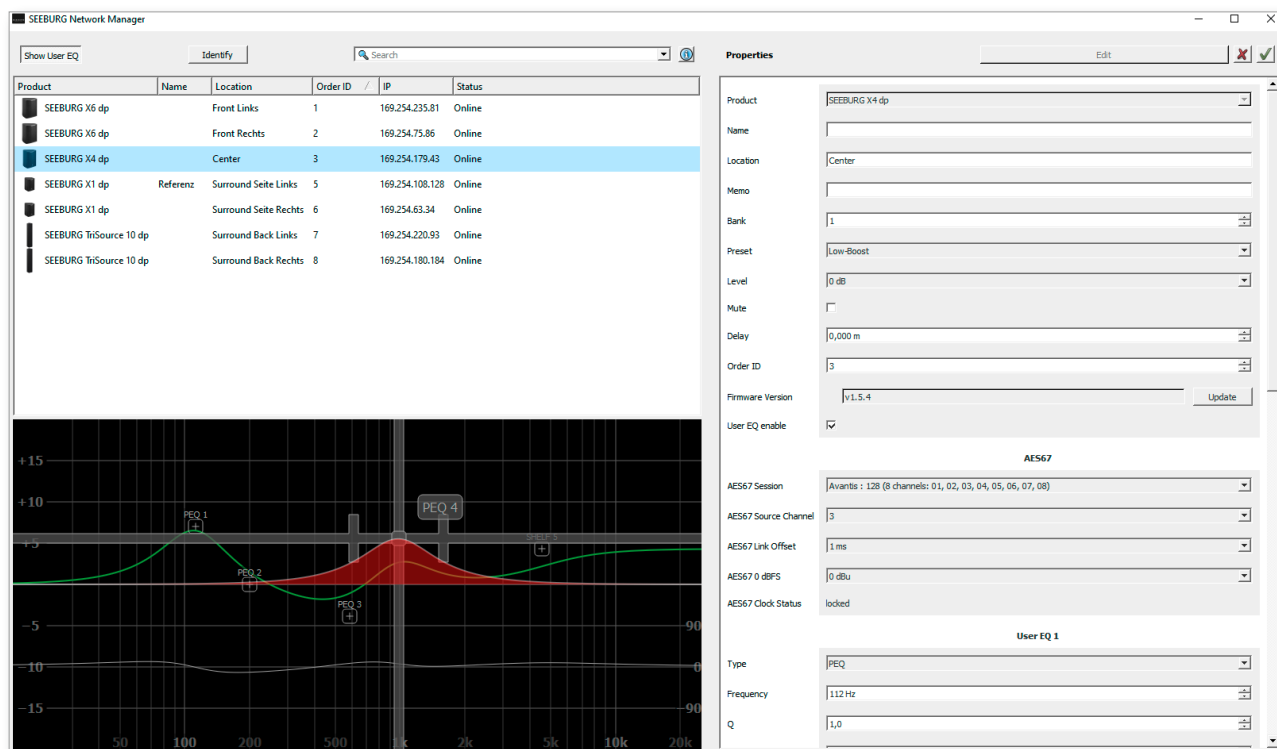
Interface for remote control and audio transfer via ethernet (AES 67).

#### 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](http://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

### Flying-Bracket



for X 2,  
horizontal alignment,  
(incl. 4 x socket head screws  
M10 x 20 mm, 4 x M10 washer,  
4 x rubber washer)

Order No. **01201/X2/set**

### Flying L-Bracket



for A 1 / GL 8 / X 1 / X 2 / TS Nano,  
horizontal and vertical alignment,  
(incl. white version: 1 x socket head  
screw M10 x 20 mm,  
black version: 1 x adjustable handle  
screw M10 x 20 mm)

Order No. **01200/set/w** (RAL 9010)

Order No. **01200/set**

### Handle Screw



for flying brackets,  
adjustable,  
M10 x 20 mm

Order No. **08375/20**

### 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**

### Knurled Head Nut



reduction screw for fastening  
M10 pole mount adapter (08126)

Order No. **73755**

### 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** (zincd)

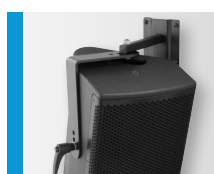
Order No. **73700/sw** (black zincd)

### Steel Safety



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

Order No. **01376/4**



## ACCESSORIES X 2

### Wall Mount



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

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

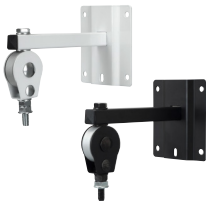
### Wall Mount



with tilt unit,  
max. load 40 kg

Order No. **08130**

### 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**

### Flange



with ball and socket joint,  
with additional locking screw,  
M10 x 15 mm, max. load 15 kg

Order No. **08125**

### 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 mini TV spigot,  
max. load 15 kg  
Order No. **01221**

### Bag



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

Order No. **01245**

### Rain Cover



for X 2,  
with zipper

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

### Flight Case Trunk



for 4 pcs. X 2, with accessory  
compartment, partition walls, interior  
lined with felt, heavy duty, 9 mm  
birch multiplex, PVC coated black, 6 x  
recessed sprung handles, 1 x butterfly  
latch medium, 4 x 100 mm blue wheels  
(2 pcs. with brake), 29 kg  
Size (H x W x D): 58 x 74 x 60 cm

Order No. **16555/4**

### Flight Case Trunk



for 2 pcs. X 2, with accessory compart-  
ment (16 cm wide), interior lined with  
felt, heavy duty, 9 mm birch multiplex,  
PVC coated black, 2 x recessed sprung  
handles, 1 x butterfly latch medium  
Size (H x W x D): 74 x 33,5 x 44,5 cm

Order No. **16555**

### Hybrid Cable System

PowerCon-PowerCon / XLR-XLR



|       |                        |
|-------|------------------------|
| 2,5 m | Order No. <b>08462</b> |
| 5 m   | Order No. <b>08464</b> |
| 10 m  | Order No. <b>08466</b> |
| 15 m  | Order No. <b>08468</b> |



Flight Case Trunk- 4 x X 2



Flight Case Trunk- 2 x X 2