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. Four M10 threaded mounting points are available to mount accessories for installation or mobile applications. The integrated digital amplifier technology provides 280 / 175 Watt AES and DSP control. A range of factory-configured presets and volume settings can be selected.
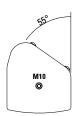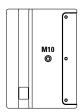
PRODUCT SPECIFICATIONS

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**

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

DIMENSIONS

55°

M10

M10

310

M10

M10

220

200

M10

MEASUREMENTS

2D Directivity Plot - horizontal

Sensitivity 1 W @ 1 m + Impedance

2D Directivity Plot - vertical

Frequency Response with Presets

SEEBURG
acoustic line

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.

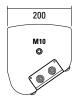High-grade electronic components from the industrial sector and a first-class circuit design ensure excellent audio quality with low distortion and a minimal noise floor. Highly efficient and "intelligent" limiter systems ensure optimum protection against overload, without restricting the possibilities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

Presets > Qick 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
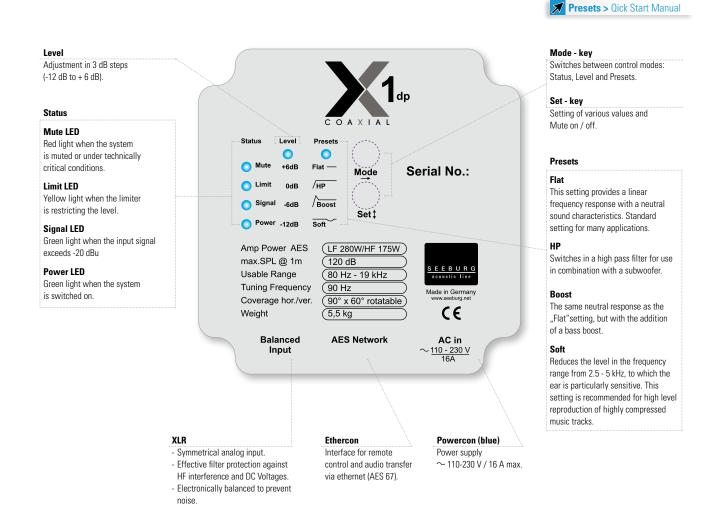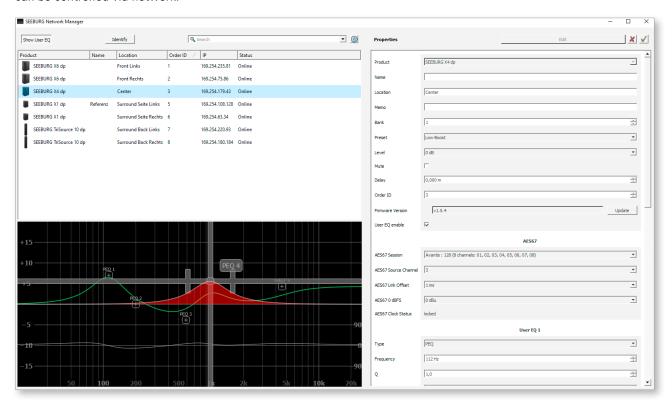is switched on.

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.

X1dp COAXIAL

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

Mode
Set

Serial No.:

Amp Power AES	LF 280W/HF 175W
max.SPL @ 1m	120 dB
Usable Range	80 Hz - 19 kHz
Tuning Frequency	90 Hz
Coverage hor./ver.	90° x 60° rotatable
Weight	5,5 kg

SEEBURG
acoustic line
Made in Germany
www.seeburg.net
CE

Balanced Input   **AES Network**   **AC in**
~ 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
~ 110-230 V / 16 A max.

SEEBURG
acoustic line

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.

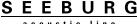SEEBURG Network Manager > Quick Start Manual (pdf)

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

SEEBURG
acoustic line

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 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**

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

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**

SEEBURG acoustic line