The G Sub 1201 dp++ is a 12" high-power sub-woofer featuring 3-channel DSP electronics, and two signal inputs. Two supplementary integrated amplifiers are available to drive Hi-Mid or fullrange systems. The low-profile cabinet and modern design coupled with high power handling capacity make this system interesting für applications requiring pacticularly unobtrusive installation without compromising the precise bass reproduction. The integrated amplifier electronics 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	12" Nd (3" VC)
Description	Digitally Powered Bass Extension
Amp Power	Ch. 1 (internal): 1000 W AES @ 4 Ω Ch. 2/3 (external): 2 x 500 W AES @ 4 Ω
Rated Current	1,6 A @ 230 V
SPL Peak @ 1 m	131 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	38 Hz - 220 Hz (- 6 dB)
Tuning Frequency excursion minimum	47 Hz
Connectors	2 x XLR in, Ethercon, Powercon in, 2 x Speakon NL4MP out
Handles	2 x
Rigging / Fittings	M20 on top
Weight	17,5 kg
Size height x width x depth	33,0 x 48,5 x 48,5 cm
Order No.	**00610/dp++**
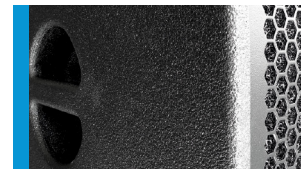
Comfortable handles for easy transport.

SEEBURG
acoustic line

M20

485

485 330

485 330

485

485

485
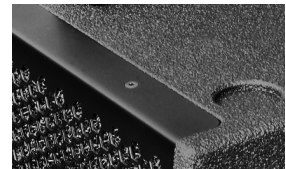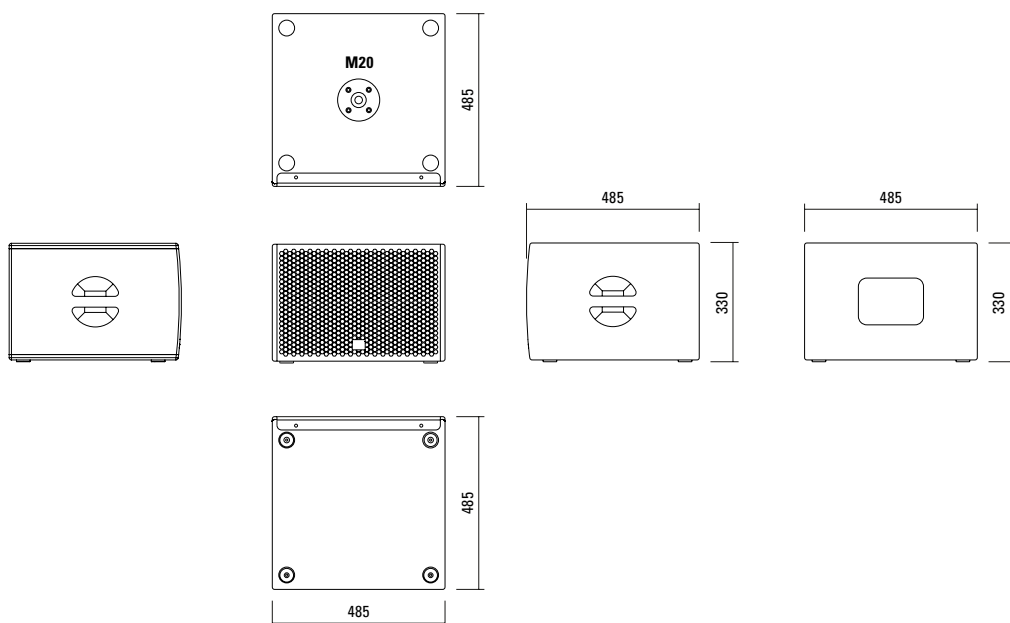
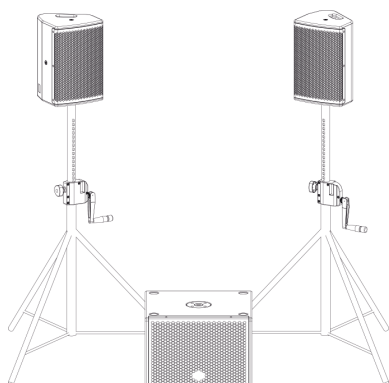## APPLICATIONS

Classical satellite system.

Sound system with a G Sub 1201 dp++
and two mid-hi systems (2 x 2 Stk. / 8 Ω).
Very compact transport volume, und adequate
sub-woofer power for smaller events.

Classical satellite system
with a passive G Sub 1201.

The solution for increased power and reach
in the bass range.
The sub-woofers can be used as mounts
for speaker poles for the mid-hi systems.
2 x 2 pcs. / 8 Ω mid-hi systems can
be connected.
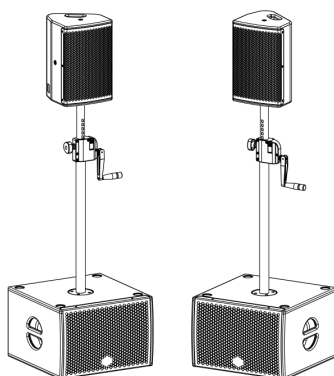
Mono system
with separate loudspeaker.

In AUX mode, the B channel can be used to drive
a separate, independant loudspeaker.
Possibilities include stage monitors or additional
loudpseakers in the sound reinforcement system
(e.g. near fills, under balcony speakers etc.)
This variant also applies that an additional
G Sub 1201 can be connected passively.

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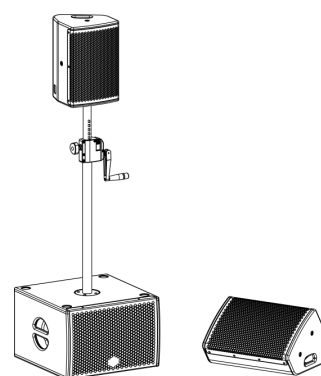
The G Sub 1201 dp++ features integrated digital amplifier electronics with a DSP controller (dp = digitally powered). Various factory-configured presets and volume settings can be called up directly on the box or via a network connection.

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.

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

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

2 x Speakon NL4MP
Pins 1+/- carry the hi-mid component of the A and B/AUX inputs respectively.
Pins 2+/- carry the subwoofer signal, and can be used to drive a passive G-Sub 1201.
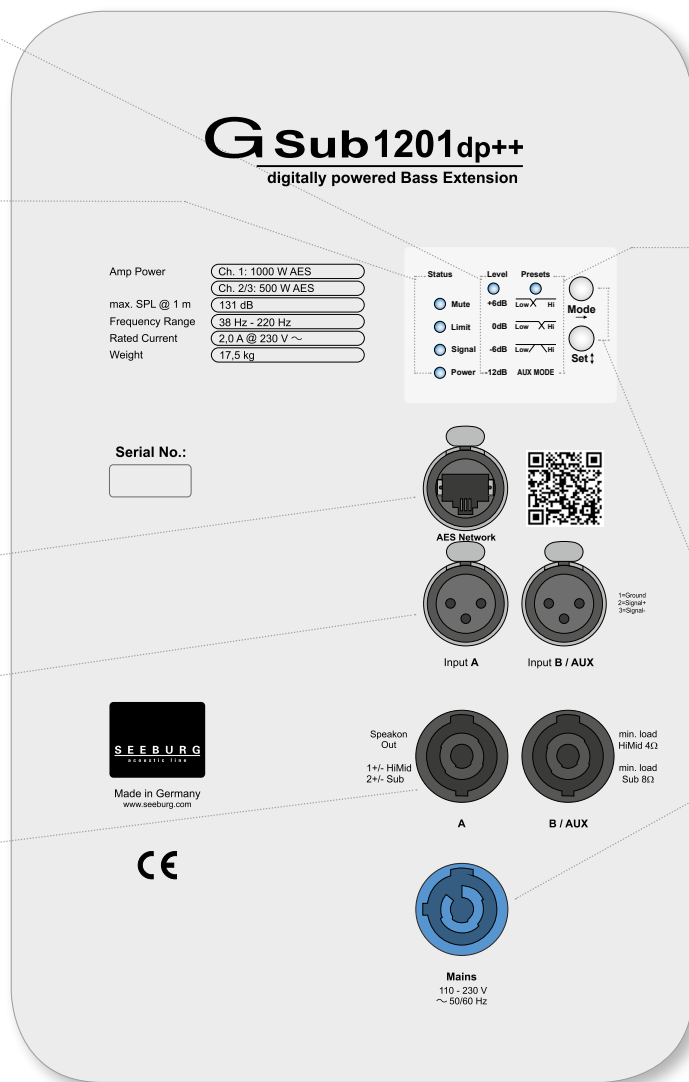
Presets

Low/Hi
2-way active preset with a 100 Hz. crossover frequency. Suitable for use with larger passive top cabinets

Low/Hi
2-way active preset with a 140 Hz crossover frequency. Suitable for use with compact passive top cabinets.

Low/Hi
2-way active preset with an overlap in the cross-over frequencies.This enables a frequency response with added emphasis in the low-mid range.

AUX MODE
The signal present at the B/AUX input is passed as a full-range signal through the second amplifier channel, and appears as a loudspeaker signal on the speakon connector B/AUX.

Mode - key
Switches between control modes Status, Level and Presets.

Set - key
Setting of various values and Mute on / off.

Powercon (blue)
Power supply
∼ 110-230 V / 16 A max.

G Sub 1201 dp++
digitally powered Bass Extension

Amp Power	Ch. 1: 1000 W AES
	Ch. 2/3: 500 W AES
max. SPL @ 1 m	131 dB
Frequency Range	38 Hz - 220 Hz
Rated Current	2,0 A @ 230 V ∼
Weight	17,5 kg

Serial No.:

Made in Germany
www.seeburg.com

Status   Level   Presets
Mute   +6dB   Low Hi   Mode
Limit   0dB   Low Hi
Signal   -6dB   Low Hi   Set
Power   -12dB   AUX MODE

AES Network

1=Ground
2=Signal+
3=Signal-

Input **A**   Input **B / AUX**

Speakon Out   min. load HiMid 4Ω
1+/- HiMid   min. load Sub 8Ω
2+/- Sub

A   **B / AUX**

Mains
110 - 230 V
∼ 50/60 Hz

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SEEBURG NETWORK Manager

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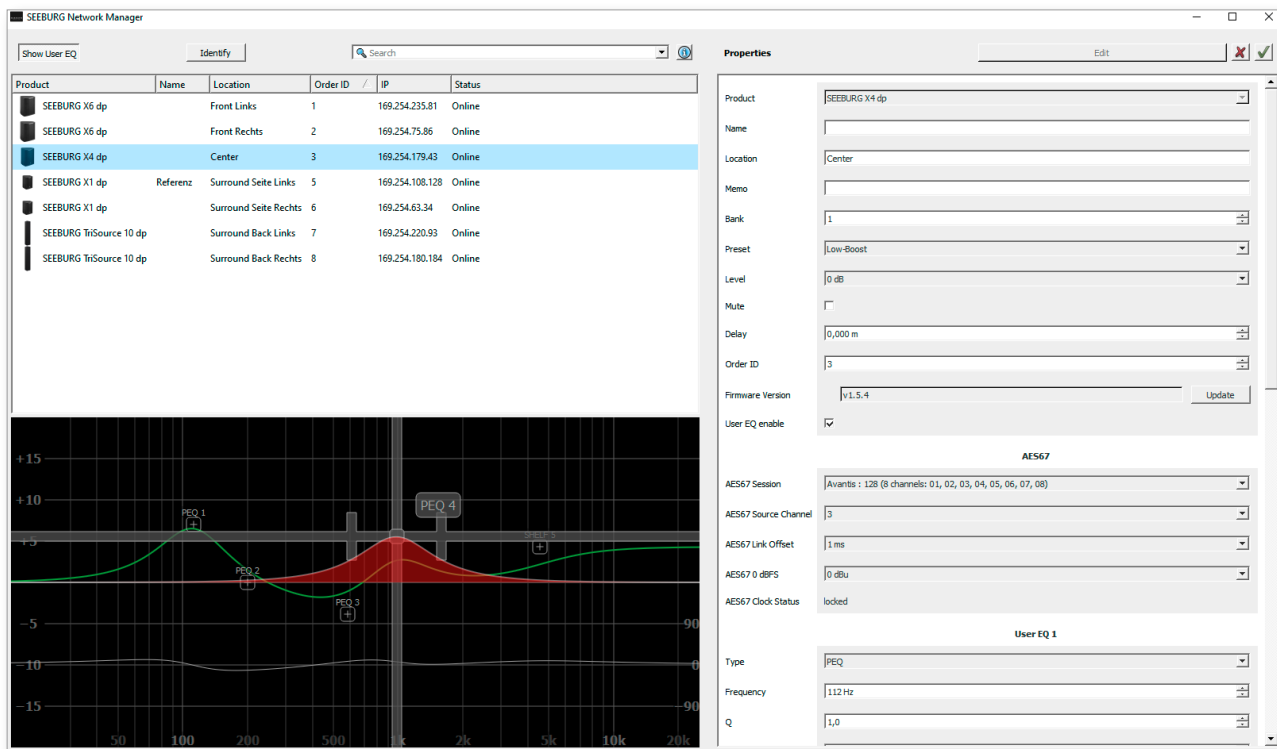
Features:

> **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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ACCESSORIES G Sub 1201 dp++

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**

MultiRigg™ light

version for fixed installations,
for horizontal and vertical alignment,
incl. accessories (2 x M10 x 20 socket
head screws), max. load 50 kg

Order No. **01362**

Ceiling Mount

for Subwoofer, 2 parts,
incl. screws

Order No. **08129**
Order No. **08129/w** (RAL 9010)

Speaker Pole

M20, with wind up

Order No. **03023**

M20, adjustable

Order No. **03022**

Cover

for G Sub 1201, padded

Order No. **01237**

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**

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