

Bass Extension - digitally powered

# G Sub 1501 dp+



The G Sub 1501 dp+ is a universal high-powered 15" subwoofer in a low-line cabinet with an integrated 2 channel amplifier and DSP controller. The low 40 cm height makes the G Sub 1501 dp+ easy to integrate into existing stage constructions. Excellent deep bass reproduction and exclusive, modern design in an easy to handle package make the G Sub 1501 dp+ a perfect choice for demanding applications. 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

<b>Speaker Components</b>	15" Nd (4" VC)
<b>Description</b>	Digitally Powered Bass Extension
<b>Amp Power</b>	Ch. 1 (internal): 2400 W AES @ 4 Ω Ch. 2 (external): 2400 W AES @ 4 Ω
<b>Rated Current</b>	4,0 A @ 230 V
<b>SPL</b> <small>Peak @ 1 m</small>	135 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>	35 Hz - 180 Hz (- 6 dB)
<b>Tuning Frequency</b> <small>excursion minimum</small>	42 Hz
<b>Connectors</b>	XLR in/thru, Ethercon, 2 x Speakon NL4MP out, PowerCon in/thru
<b>Handles</b>	2 x
<b>Rigging / Fittings</b>	M20 on top Wheelboard fittings
<b>Weight</b>	30 kg (+ 6 kg wheelboard)
<b>Size</b> <small>height x width x depth</small>	40,0 x 60,0 x 60,0 cm
<b>Order No.</b>	<b>00620/dp+</b>



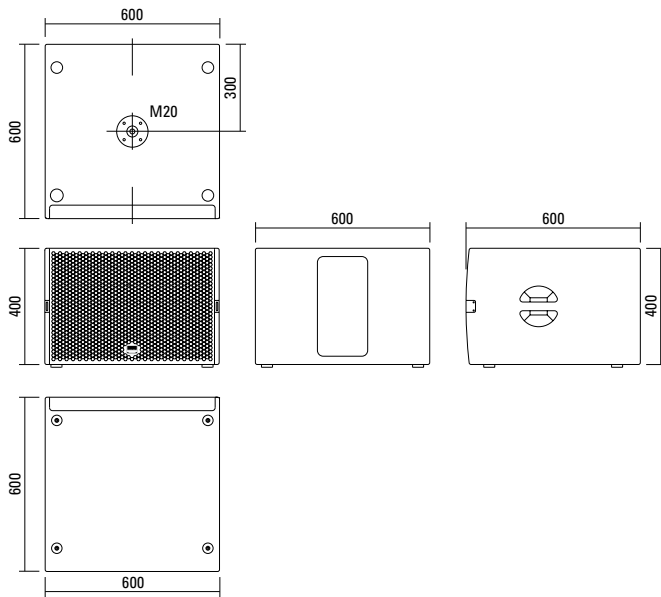
Robust honeycomb type speaker grille. Wheel board fittings.



M20 flange on top.

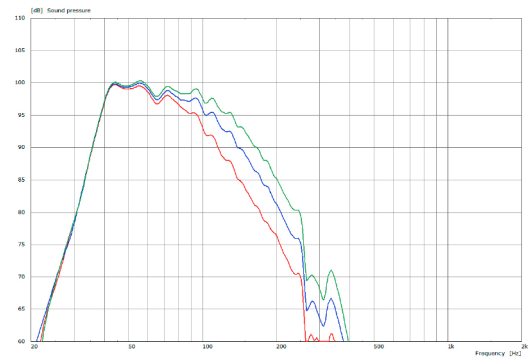


## DIMENSIONS

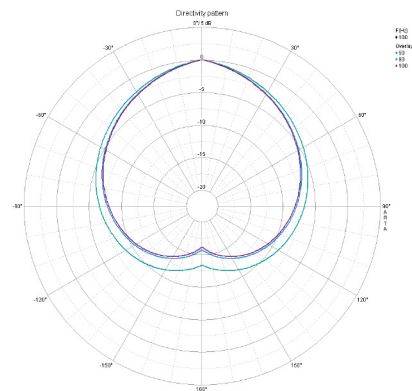


## MEASUREMENTS

### Frequency Response with Presets



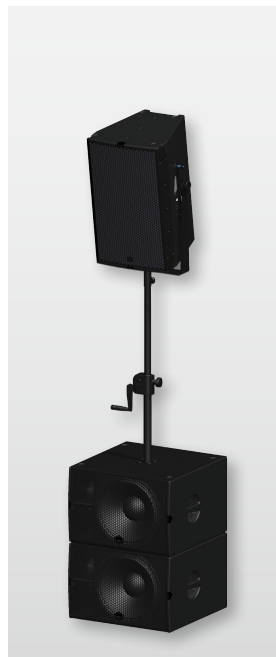
### Cardioid - Polar Diagram



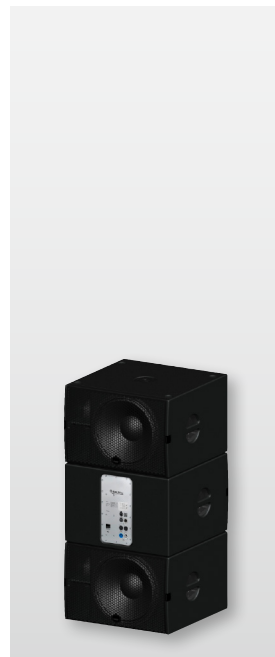
## APPLICATIONS



G Sub 1501 dp+ / G Sub 1501  
GL 24 xov



G Sub 1501 dp+ / G Sub 1501  
K 24 xov



G Sub 1501 dp+ / G Sub 1501  
Cardioid-Anordnung.

**The G Sub 1501 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**

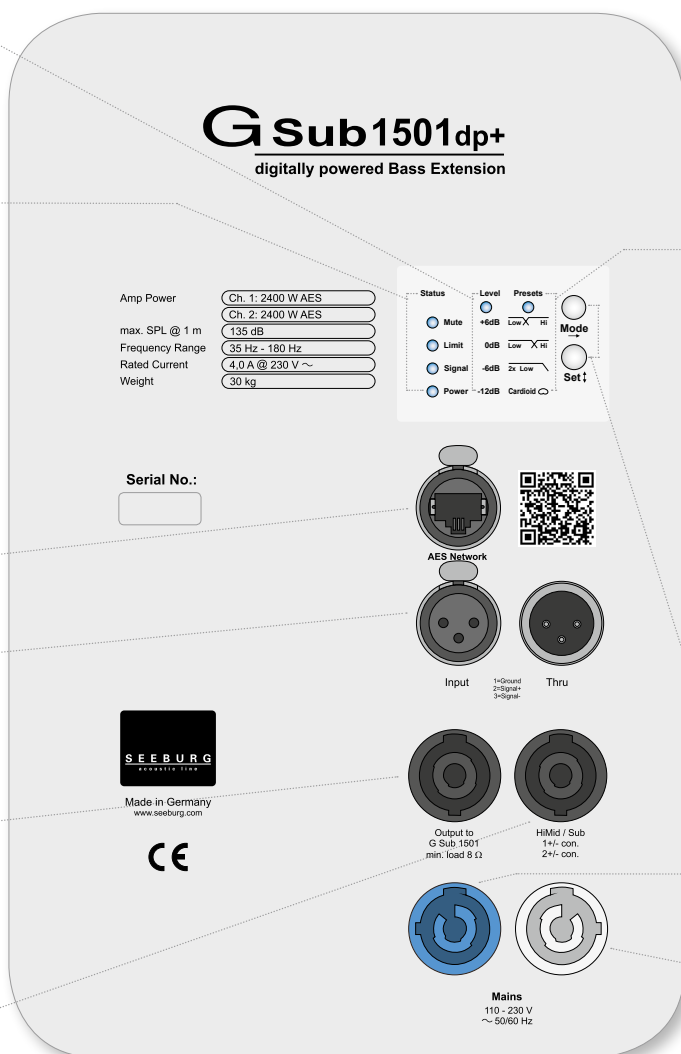
- Symmetrical analog input.
- Effective filter protection against HF interference and DC Voltages.
- Electronically balanced to prevent noise.

**Speakon NL4MP**

Parallel output connector for a passive G Sub 1501 with an 8 Ω impedance (2+/-). The mid-high signal from the separate output is also present here on pins 1 +/- (system cabling).

**Speakon NL4MP**

Connector for passive tops or subs or both on the second amplifier channel. (pins 1 +/- top and 2 +/- sub).



**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.

**2 x Low**

Subwoofer mode without tops with a 100 Hz crossover frequency. Up to two G Sub 1501 can be connected to the right hand Speakon socket.

**Cardioid mode**

For directional bass reproduction in conjunction with one or two additional G Sub 1501 or G Sub 1501 dp+ systems. This mode is applied only to the rear-facing sub. The level reduction to the rear can, depending on the actual physical setup and the frequency, be up to 20 dB.

**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.

**Powercon (grey)**

~ 110-230 V / 16 A max. loop through connector

# SEEBURG NETWORK Manager

Über die Software SEEBURG Network Manager können alle selfpowered Systeme über Netzwerk gesteuert und kontrolliert werden.

Product	Name	Location	Order ID	IP	Status
SEEBURG X6 dp		Front Links	1	169.254.235.81	Online
SEEBURG X6 dp		Front Rechts	2	169.254.75.86	Online
SEEBURG X4 dp		Center	3	169.254.179.43	Online
SEEBURG X1 dp	Referenz	Surround Seite Links	5	169.254.108.128	Online
SEEBURG X1 dp		Surround Seite Rechts	6	169.254.63.34	Online
SEEBURG TriSource 10 dp		Surround Back Links	7	169.254.220.93	Online
SEEBURG TriSource 10 dp		Surround Back Rechts	8	169.254.180.184	Online

**Properties**

Product: SEEBURG X4 dp

Name: [Empty]

Location: Center

Memo: [Empty]

Bank: 1

Preset: Low-Boost

Level: 0 dB

Mute: [Off]

Delay: 0,000 ms

Order ID: 3

Firmware Version: v1.5.4 [Update]

User EQ enable: [Checked]

**AES67**

AES67 Session: Avantis : 128 (8 channels: 01, 02, 03, 04, 05, 06, 07, 08)

AES67 Source Channel: 3

AES67 Link Offset: 1 ms

AES67 0 dBFS: 0 dBu

AES67 Clock Status: locked

**User EQ 1**

Type: PEQ

Frequency: 112 Hz

Q: 1,0

## Features:

- > **Fernsteuerung** der Anschlussfeld-Funktionen wie Presets, Abruf der Bänke und Pegeleinstellungen sowie Sperr- und Mutfunktionen.
- > **Visuelle Darstellung** der im Netzwerk befindlichen Systeme.
- > Speicherbare Namens- und Positionsangaben mit **globaler Suchfunktion**.
- > **Gleichzeitige Bearbeitung** ausgewählter Lautsprecher.
- > **Vollparametrische User EQs und Delays** für Time Alignment inkl. graphischer Oberfläche.
- > **Time Delay** mit bis zu **2,8 Sekunden Laufzeit**.
- > **Audio-over-Ethernet (AoE)** mittels **AES 67**.
- > Grundlegende **Netzwerkeinstellungen**.
- > Anbindung an **Mediensteuerung** mittels **API**.
- > **Dokumentation online** verfügbar.
- > **Identifizierungsfunktion** durch Aufleuchten der LEDs an der dp-Box.
- > **Firmware Updates** können aufgespielt werden.



[SEEBURG Network Manager > Quick Start Manual \(pdf\)](#)

## AES NETWORK Schnittstelle

Alle dp Systeme verfügen serienmäßig über eine **AES Network Schnittstelle**. Diese dient zur **Fernsteuerung** über den **SEEBURG Network Manager** und zur **Audio-over-Ethernet (AoE) Audioübertragung** mittels **AES 67**.



AES Network

## ACCESSORIES G Sub 1501 dp+

### Speaker Pole

M20, with wind up  
Order No. **03023**



M20, adjustable  
Order No. **03022**



### Speaker Pole

250 mm, ø 35 mm, M20,  
with ring lock  
Order No. **03020**



### Wall Mount

bar: 400 mm, max. load 40 kg,  
incl. (M10 x 70 mm socket head screw,  
M10 hex lock nut and flat washer)  
Order No. **08130/F400/w** (RAL 9010)  
Order No. **08130/F400**



### Ceiling Mount

for Subwoofer,  
2 parts, incl. screws  
Order No. **08129**  
Order No. **08129/w** (RAL 9010)



### 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**



### Cover

for G Sub 1501,  
by using wheel board  
Order No. **01239/WB**



### Cover

for G Sub 1501,  
without wheel board  
Order No. **01239**



### Wheel Board

for G Sub 1501,  
stackable, 6 kg  
Order No. **01267**



### 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**

