

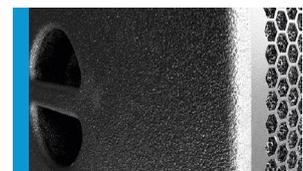
# Bass Extension - digitally powered **G Sub 1201 dp++**



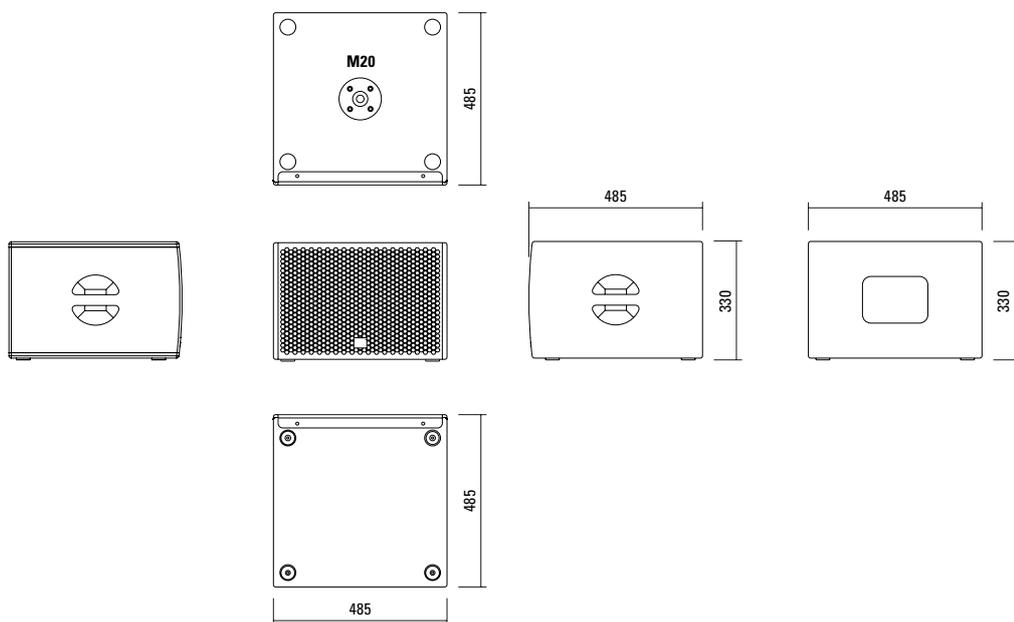
The G Sub 1201 dp++ is a 12" high-power sub-woofer featuring 3-channel DSP electronics, and two signal inputs. The DSP offers a choice of four application-oriented presets and level compensations. Two supplementary integrated amplifiers are available to drive Hi-Mid or full-range systems. The low-profile cabinet and modern design coupled with high power handling capacity make this system interesting für applications requiring particularly unobtrusive installation without compromising the precise bass reproduction.

## PRODUCT SPECIFICATIONS

<b>Speaker Components</b>	12" Nd (3" VC)
<b>Description</b>	Digitally Powered Bass Extension
<b>Amp Power</b>	500 W AES (single mode) / 100-230V 1000 W AES (dual mode) / 100-230V 2 x 500 W AES / 4 Ω - HiMid
<b>Rated Current</b>	1,6 A @ 230 V
<b>SPL</b> Peak @ 1 m	131 dB
<b>Max. Input Signal</b>	25 dBu
<b>DSP</b>	HDLM 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>	38 Hz - 220 Hz (- 6 dB)
<b>Tuning Frequency</b> excursion minimum	47 Hz
<b>Connectors</b>	2 x Neutrik XLR in Neutrik PowerCon in 2 x Neutrik Speakon NL4MP out
<b>Handles</b>	2 x
<b>Rigging / Fittings</b>	M20 on top
<b>Weight</b>	17,5 kg
<b>Size</b> height x width x depth	33,0 x 48,5 x 48,5 cm
<b>Order No.</b>	<b>00610/dp++</b>



## DIMENSIONS

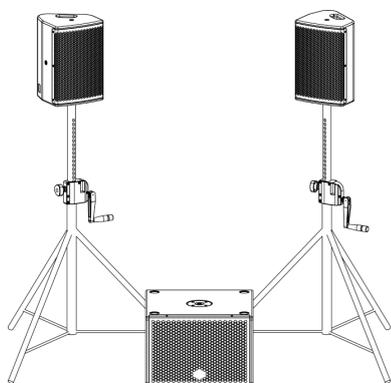


## APPLICATIONS

### Classical satellite system.

Sound system with a G Sub 1201 dp++ and two mid-hi systems.

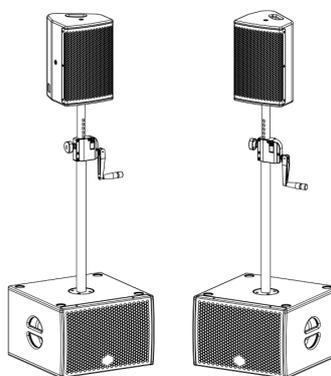
Very compact transport volume, und adequate sub-woofer power for smaller events.



### Classical satellite system with additional sub-woofer

The solution for increased power and reach in the bass range.

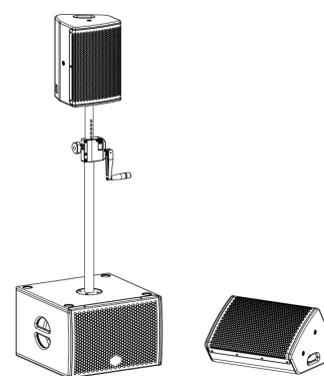
The sub-woofers can be used as mounts for speaker poles for the mid-hi systems.



### 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 loudspeakers in the sound reinforcement system (e.g. near fills, under balcony speakers etc.)



The G Sub 1201 dp++ features integrated digital amplifier electronics with a DSP controller. Various factory-configured presets and volume settings can be selected.

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.

**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**

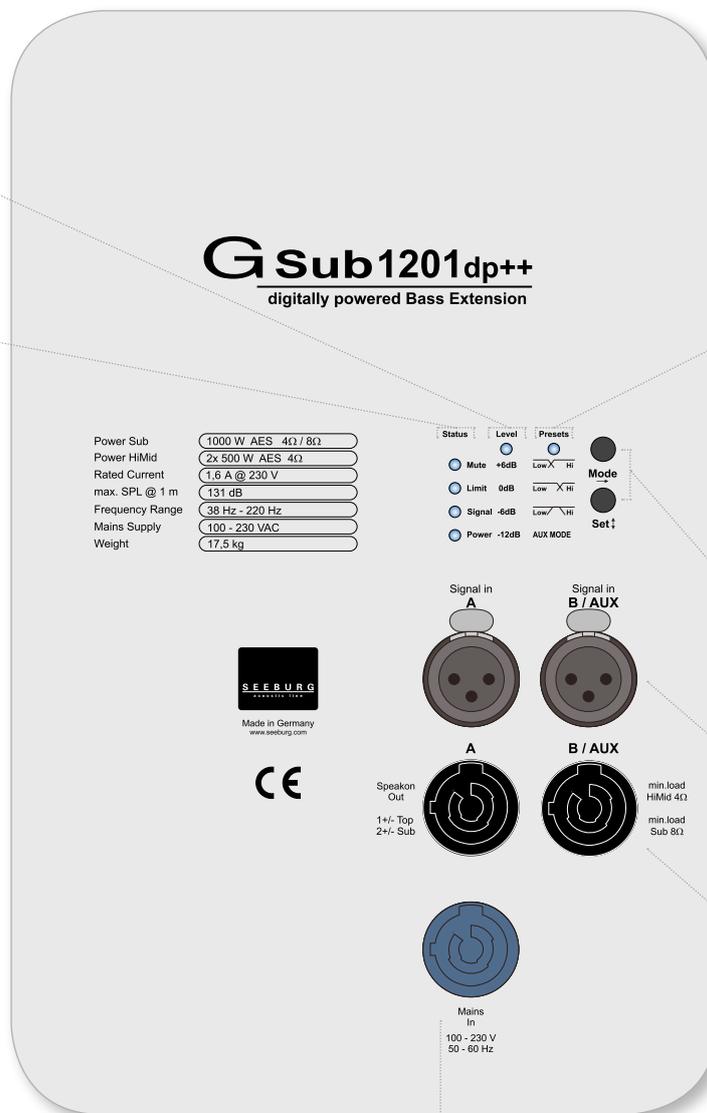
Yellow light when the limiter is restricting the level.

**Signal LED**

Green light when the input signal exceeds -20 dBu

**Power LED**

Green light when the system is switched on.



**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.

**XLR**

Symmetrical analog input, max. Input +25 dBu. Effective filter protection against HF interference and DC Voltages. Virtual ground lift.

**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.

**PowerCon (blue)**  
Spannungsversorgung  
~100-230 V

## ACCESSORIES G Sub 1201 dp++

### Speaker Pole

M20, with wind up, K&M

Order No. **03023**



M20, adjustable, K&M

Order No. **03022**



### Ceiling Mount

for Subwoofer

Order No. **08129**



### Cover

for G Sub 1201, padded

Order No. **01237**



### Hybrid Cable System

PowerCon-PowerCon / 2 x XLR m/f

2,5 m Order No. **08462/++**

5 m Order No. **08464/++**

10 m Order No. **08466/++**

15 m Order No. **08468/++**

