

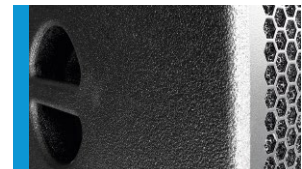
# Bass Extension - digitally powered **G Sub 1201 dp+**



Compact high-powered 12" subwoofer with two integrated DSP controlled amplifiers. Four different presets and volume settings are available to cater for a wide range of applications. The second amplifier can be used to drive a high-mid or full range system, or a passive subwoofer. Easy handling, an exclusive and modern design and the deep bass reproduction make this a perfect choice for demanding applications.

## PRODUCT SPECIFICATIONS

<b>Speaker Components</b>	12" Nd
<b>Description</b>	Digitally Powered Bass Extension
<b>Amp Power</b>	500 W AES (single Mode) / 110-230 V 800 W AES (dual Mode) / 110-230 V 800 W AES / 4 Ω - HiMid/Sub
<b>Rated Current</b>	2 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> - 6 dB	40 Hz - 120 / 140 Hz
<b>Tuning Frequency</b> excursion minimum	47 Hz
<b>Connectors</b>	Neutrik XLR in/out Neutrik PowerCon in/out 2x Neutrik Speakon NL4MP out
<b>Handles</b>	2 x
<b>Rigging / Fittings</b>	M20 on top
<b>Weight</b>	18,0 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>

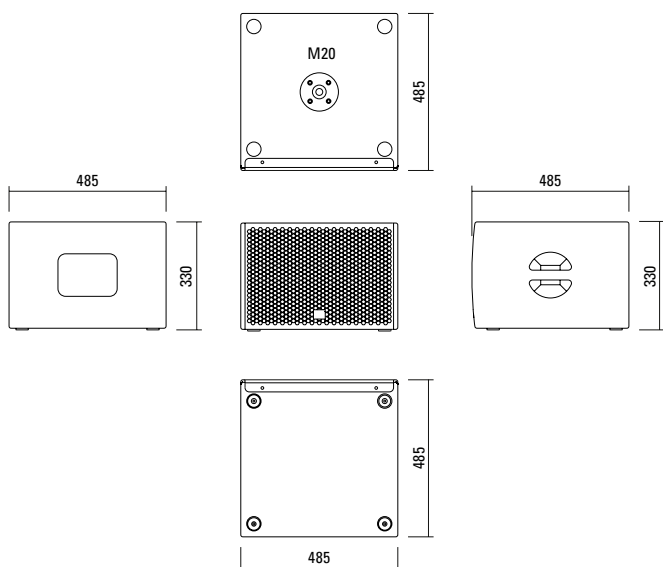


Comfortable handles for easy transport.



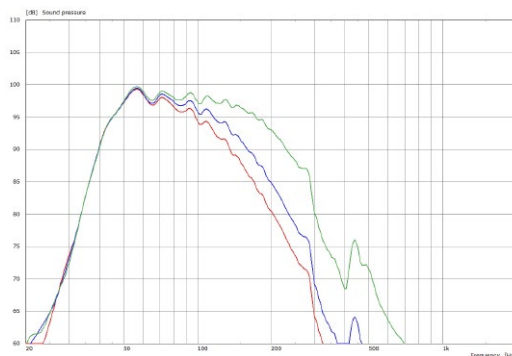
Connection panel.

## DIMENSIONS

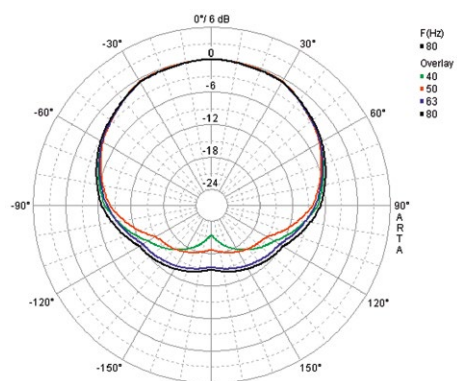


## MEASUREMENTS

### Frequency Response with Presets



### Cardioid - Polar Diagram



## APPLICATIONS



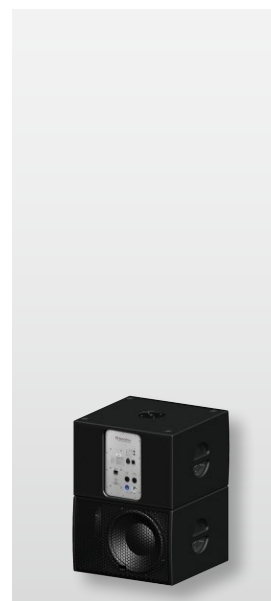
G Sub 1201 dp+ / GL 16i



G Sub 1201 dp+ / L 16j



G Sub 1201 dp+ / TSM 8



G Sub 1201 dp+ / G Sub 1201 (n.h.)  
Cardioid set-up.

**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 (-6 dB to +3 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.

**Speakon NL4MP**  
Parallel output connector for a passive G Sub 1201 with an 8 Ω impedance (2+/-). The mid-high signal from the separate output is also present here on pins 1 +/- (compatible with our system cabling.)

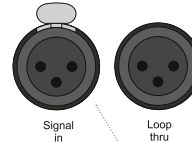
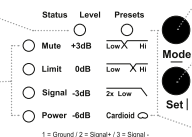
**Speakon NL4MP**  
Connector for passive tops or subs or both on the second amplifier channel. (pins 1 +/- top and 2 +/- sub).

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

Power	500 W AES (single Mode)
Speakon out	800 W AES (dual Mode)
Input Impedance	800 W AES / 4 Ω - HiMid / Sub
max. SPL @ 1 m	10 kΩ
Frequency Range	131 dB
Mains Supply	40 Hz - 120/140 Hz
Weight	110-230 V
	18 kg

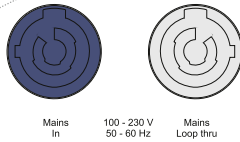
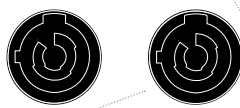


**Caution**  
Do not touch  
Aluminum plate might become hot during operation



Output to G-Sub 1201 minimum Impedance 8Ω

Speakon Out HiMid / Sub 800W / 4 Ohm 1+/- con. 2+/- con.



**PowerCon (blue)**  
Power supply  
~ 110-230 VAC

**PowerCon (grey)**  
~110-230 VAC / 16A max.  
loop through connector

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

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

**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. An additional passive subwoofer can be connected to the right hand Speakon socket. Power rating: 800 Watt / 4 Ω.

**Cardioid mode**  
For directional bass reproduction in conjunction with one or two additional G Sub 1201 or G Sub 1201 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.

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

## 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 / XLR-XLR

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

5 m Order No. **08464**

10 m Order No. **08466**

15 m Order No. **08468**



Ceiling mount.