

# G Sub 1001 dp+



The G Sub 1001 is a compact, high powered 10" subwoofer with an integrated 2 channel amplifier and DSP controller. 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 HiMid loudspeaker or a passive subwoofer. The particularly low-profile form and high power-handling capabilities make the G Sub 1001 dp+ especially interesting for applications requiring precise bass reproduction and very unobtrusive installation.

## PRODUCT SPECIFICATIONS

<b>Speaker Components</b>	10"
<b>Description</b>	Digitally Powered Bass Extension
<b>Amp Power</b>	250 W AES (single Mode) / 110-230 V 500 W AES (dual Mode) / 110-230 V 500 W AES / 4 Ω - HiMid/Sub
<b>Rated Current</b>	0,75 A @ 230 V
<b>SPL</b> <small>Peak @ 1 m</small>	128 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> <small>- 6 dB</small>	44 Hz - 120 / 160 Hz
<b>Tuning Frequency</b> <small>excursion minimum</small>	53 Hz
<b>Connectors</b>	Neutrik XLR in/out Neutrik PowerCon in/out 2x Neutrik Speakon NL4MP out
<b>Handles</b>	1 x
<b>Rigging / Fittings</b>	M20 on top
<b>Weight</b>	18,0 kg
<b>Size</b> <small>height x width x depth</small>	28,0 x 43,0 x 43,0 cm
<b>Order No.</b>	<b>00605/dp+</b>



M20 flange on top.

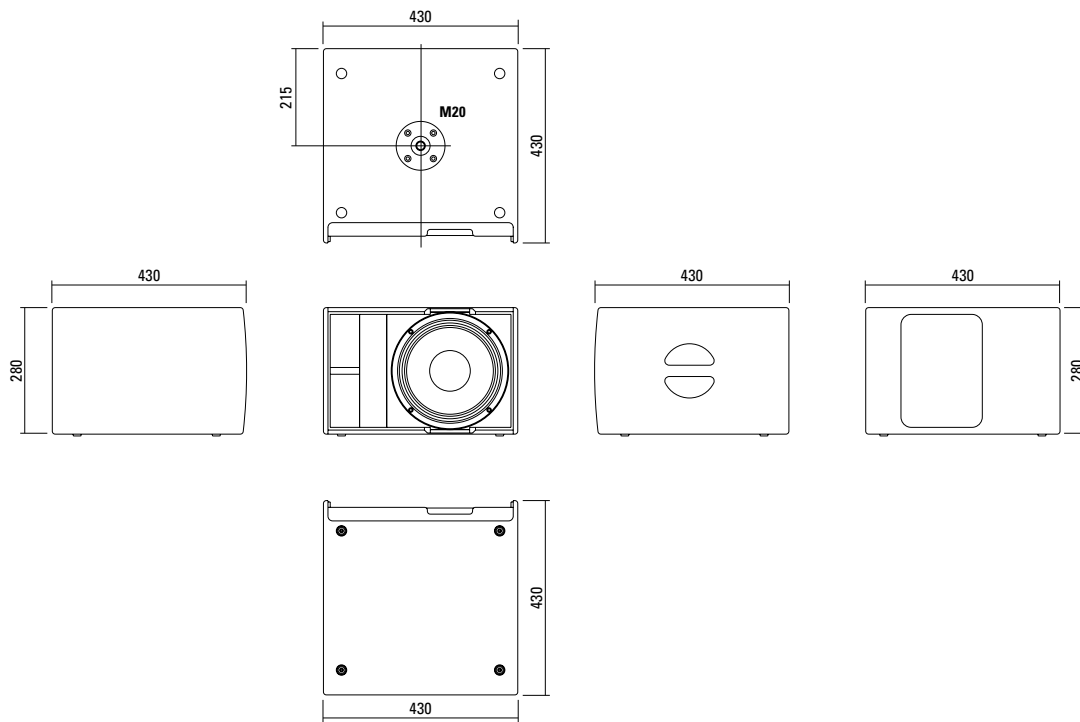


Comfortable handles for easy transport.



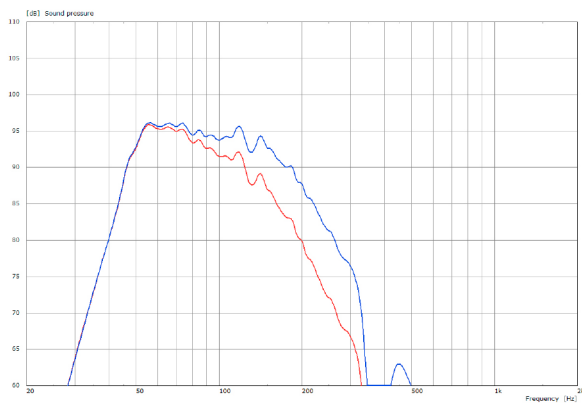
Connection panel back.

## DIMENSIONS

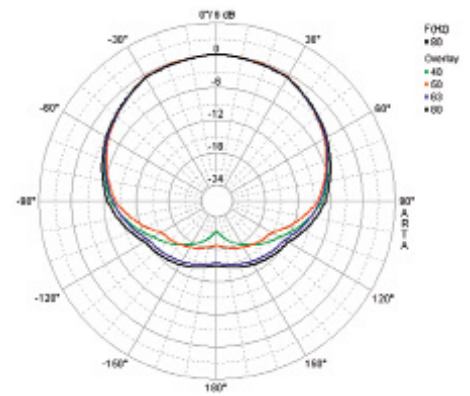


## MEASUREMENTS

Frequency Response with Presets



Cardioid - Polar Diagram



The G Sub 1001 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 1001 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).

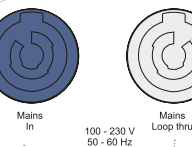
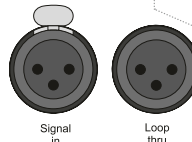
## G Sub 1001dp+

digitally powered Bass Extension

Power	250 W AES (single Mode)
	500 W AES (dual Mode)
Speakon out	500 W AES / 4 Ω - HiMid / Sub
Input Impedance	10 kΩ
max. SPL @ 1 m	128 dB
Frequency Range	44 Hz - 120/160 Hz
Mains Supply	110-230 V
Weight	18 kg



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



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

**PowerCon (grey)**  
~110-230 V / 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 low crossover frequency. Suitable for use with larger passive top cabinets.

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

**2 x Low**  
Subwoofer mode without tops with a low crossover frequency. Up to two G Sub 1001 can be connected to the right hand Speakon socket. Power rating: 500 Watt / 4 Ω.

**Cardioid mode**  
For directional bass reproduction in conjunction with one or two additional G Sub 1001 or G Sub 1001 dp+ systems. This mode is applied only to the rear-facing sub. The level reduction to the rear can be up to 20 dB, depending on the actual physical setup and the frequency.

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

## ACCESSORIES G Sub 1001 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 1001, padded

Order No. **01226**



### 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.