

# Bass Extension - digitally powered **K Sub 1502 dp**



High performance bass reflex subwoofer. Twin long excursion 15" Neodym chassis provide accurate and highly efficient bass reproduction over a wide frequency range, powered by the integrated 2400 W amplifier. The on-board DSP controller offers three filter presets, a switchable cardioid mode, and a range of loudspeaker presets. A transport front cover with wheels is optionally available. The K Sub 1502 dp can be used in a horizontal or a vertical orientation as required.

## PRODUCT SPECIFICATIONS

<b>Speaker Components</b>	2 x 15" Nd
<b>Description</b>	Digitally Powered Bass Extension
<b>Amp Power</b>	2400 W AES / 110-230 V
<b>Rated Current</b>	3,2 A @ 230 V
<b>SPL</b> <small>Peak @ 1 m</small>	142 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>	37 Hz - 100 / 120 / 140 Hz
<b>Tuning Frequency</b> <small>excursion minimum</small>	45 Hz
<b>Connectors</b>	Neutrik XLR in/out Neutrik PowerCon in/out
<b>Handles</b>	6 x
<b>Rigging / Fittings</b>	M20 on top and side Wheel board fittings
<b>Weight</b>	50,0 kg (+ 8,5 kg wheel board)
<b>Size</b> <small>height x width x depth</small>	51,2 x 94,2 x 56,0 cm
<b>Order No.</b>	<b>01059/dp</b>

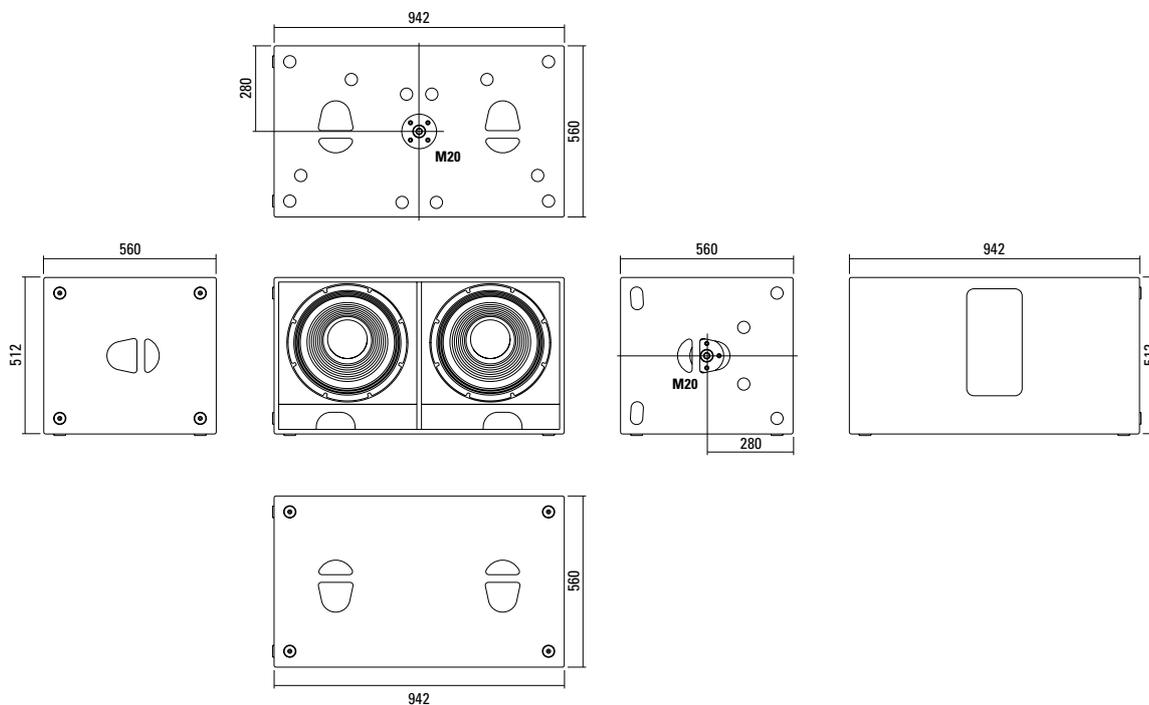


Six comfortable handles for easy handling.



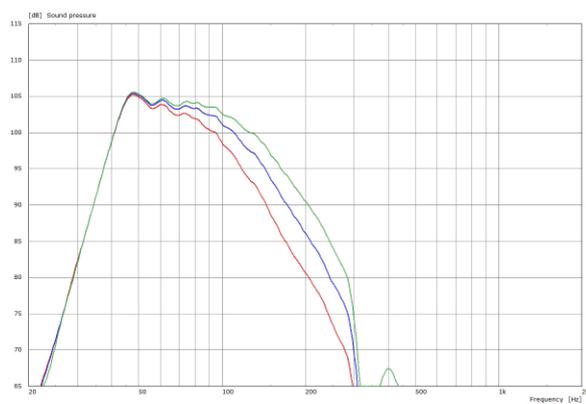
Connection panel.

## DIMENSIONS

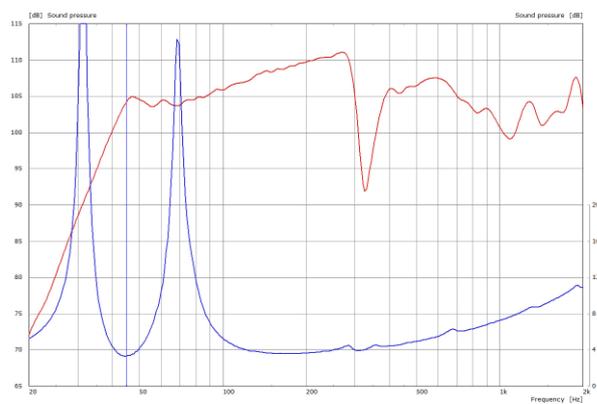


## MEASUREMENTS

**Frequency Response with Presets**



**Sensitivity 1 W @ 1 m + Impedance**



The K Sub 1502 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.

# K Sub 1502 dp

digitally powered Bass Extension

**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**

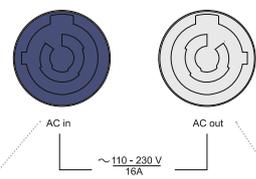
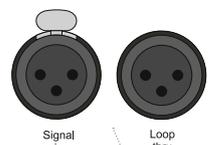
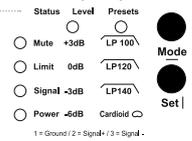
Green light when the input signal exceeds -20 dBu

**Power LED**

Green light when the system is switched on.

Serial No.:

Amp Power AES	2400 W
max. Input Signal	25 dBu
max. SPL @ 1 m	142 dB
Frequency Range	37 Hz - 140 Hz
Rated Current	3.2 A @ 230 V
Mains Supply	~ 110 - 230 V
Weight	50kg



**Presets**

**LP 100**  
Low Pass filter with 100 Hz cutoff frequency.

**LP 120**  
Low Pass filter with 120 Hz cutoff frequency.

**LP 140**  
Low Pass filter with 140 Hz cutoff frequency.

**Cardioid mode**  
For directional bass reproduction in conjunction with an additional subwoofer. 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.

**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.

**PowerCon (blue)**  
Power supply  
~110-230 V / 16 A max.

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

## ACCESSORIES K Sub 1502 dp

### Speaker Pole

M20, with wind up, K&M

Order No. **03023**



M20, adjustable, K&M

Order No. **03022**



### Wheel Board

for K Sub 1502,  
stackable, 8,5 kg

Order No. **01263**



### Cover

for K Sub 1502, with wheel board

Order No. **01251**



### 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**



Cover.



Removable wheel board for simple transportation.