The K Sub 1801 is a compact high-power subwoofer for universal use in the frequency range of 33 Hz to 140 Hz. The classic bass reflex design with streamlined ports leads to a exceptional precise and deep bass response with medium throw. The integrated 2400 Watt Class D amplifier electronics are controlled by a DSP with three filter presets, cardioid mode and various volume settings. Two ergonimical handles ensure perfect handling. For transportation, a wheelboard can be mounted to the front side.

PRODUCT SPECIFICATIONS

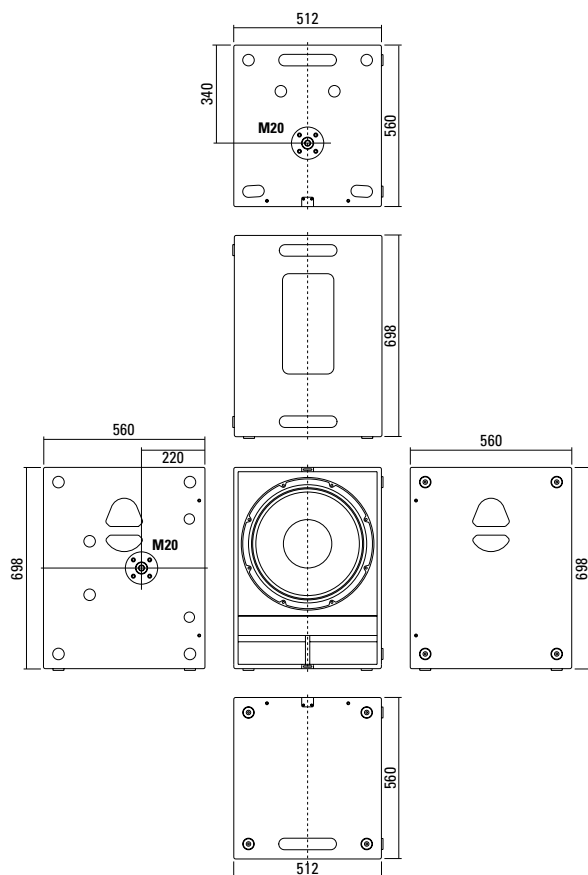|	
Speaker Components	18" (4" VC)
Description	Digitally Powered Bass Extension
Amp Power	2400 W AES @ 4 Ω
Rated Current	4,2 A @ 230 V
SPL Peak @ 1 m	137 dB
Max. Input Signal	21 dBu
DSP	DPLMx FPGA Processing 32 bit floating point
AD / DA	24 bit / 96 kHz
Latency	0.8 ms (analog in to analog out)
Usable Range - 6 dB	33 Hz - 100 / 120 / 140 Hz
Tuning Frequency excursion minimum	38 Hz
Connectors	XLR in/thru, Ethercon, Speakon NL4MP out, Powercon in/thru
Handles	4 x
Rigging / Fittings	M20 on top and side Wheel board fittings
Weight	45,0 kg (+7,0 kg wheel board)
Size height x width x depth	69,8 x 51,2 x 56,0 cm
Order No.	**01060/dp**

Robust front grille.

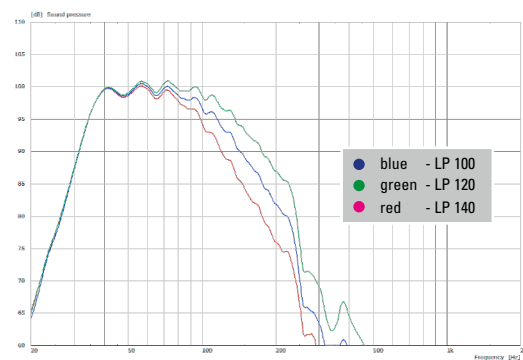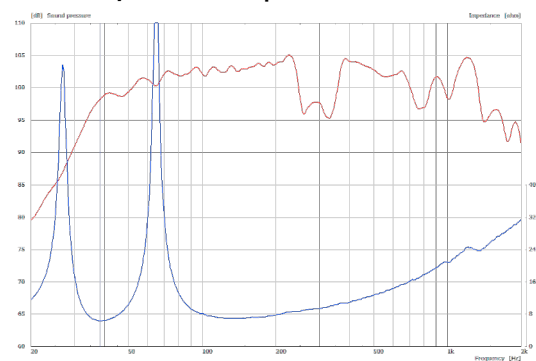Four convenient bar handles at the corner.

SEEBURG
acoustic line

512

340

M20

560

698

560

220

M20

698

560

560

698

512

560

Frequency Response with Presets

[dB] Sound pressure

● blue	- LP 100
● green	- LP 120
● red	- LP 140

Frequency [Hz]

Sensitivity 1 W @ 1 m + Impedance

[dB] Sound pressure

Impedance [ohm]

Frequency [Hz]

APPLICATIONS

2 x K Sub 1801 / K 24

K Sub 1801 / GL 24

3 x K Sub 1801 dp
Cardioid set-up

SEEBURG
acoustic line

The K Sub 1801 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.

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
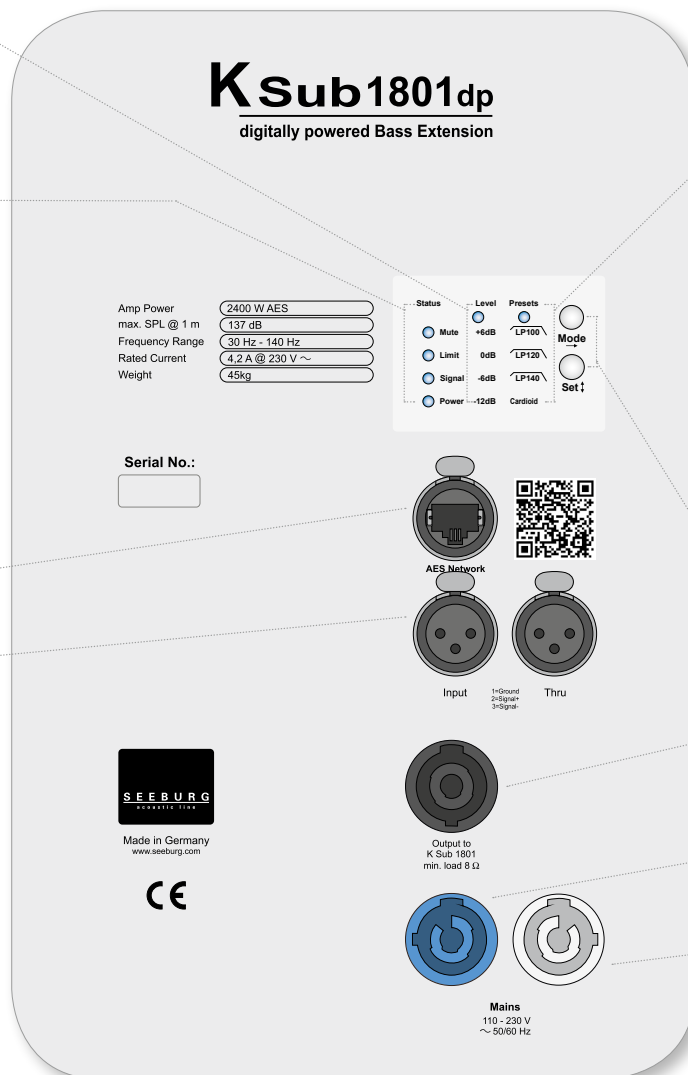
Power LED
Green light when the system is switched on.

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.
- Virtual ground lift.

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.

Speakon NL4MP
Parallel output connector for a passive K Sub 1801 with an 8 Ω impedance.

Powercon (blue)
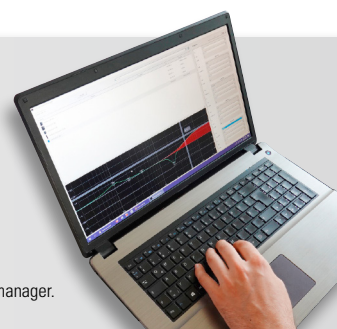Power supply
∼ 110-230 V / 16 A max.

Powercon (grey)
∼ 110-230 V / 16 A max.
loop through connector

K Sub 1801 dp
digitally powered Bass Extension

Amp Power	2400 W AES
max. SPL @ 1 m	137 dB
Frequency Range	30 Hz – 140 Hz
Rated Current	4,2 A @ 230 V ∼
Weight	45kg

Serial No.:

Status	Level	Presets
Mute	+6dB	LP100
Limit	0dB	LP120
Signal	-6dB	LP140
Power	-12dB	Cardioid

Mode
Set

AES Network

Input   1=Ground 2=Signal+ 3=Signal-   Thru

SEEBURG acoustic line
Made in Germany
www.seeburg.com

CE

Output to
K Sub 1801
min. load 8 Ω

Mains
110 - 230 V
∼ 50/60 Hz

↗ **Quick Start Manual** > DPLM > **Presets** (pdf)

SEEBURG Network Manager

> Remote control of all connector panel functions.
> Visual display of all systems connected to the control network.
> Storable names and location labels with a global search function.
> Selection of loudspeakers for simultanious set-up and control changes.
> Fully parametric user EQs and delay settings for time alignment, with a graphical user interface.

> Audio-over-Ethernet (AoE) via AES 67.
> Basic network settings.
> Connection with media control systems via API.
> Documentation is available on-line.
> Identification function by way of flashing LEDs on the dp loudspeaker systems.
> Firmware updates can be applied from the network manager.

↗ **Quick Start Guide** > SEEBURG Network Manager (pdf)

SEEBURG acoustic line

ACCESSORIES K Sub 1801 dp

Speaker Pole

M20, with wind up, K&M

Order No. **03023**

M20, adjustable, K&M

Order No. **03022**

Feet

ABS foot, 38 x 14 mm, black
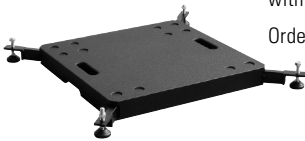
Order No. **07608**

Rubber foot, 38 x 10 mm, black

Order No. **07602**

Ground Stacking Board

for K Sub 1801 / G Sub
with extendable legs

Order No. **01394**

Wheel Board

for G Sub / K Sub 1801,
stackable, 7 kg

Order No. **01260**

Cover

for K Sub 1801 with wheel board

Order No. **01257**

Hybrid Cable System

PowerCon-PowerCon / XLR-XLR

5 m	Order No.	**08464**
10 m	Order No.	**08466**
15 m	Order No.	**08468**

S E E B U R G
a c o u s t i c   l i n e