

High Power HiMid System - digitally powered **K 20 dp**



The construction principle of the high powered K 20 dp mid-high cabinet allows for flexibility of use in horizontal or vertical orientations. Optimised placement of the 2 x 10" / 1.4" drivers in relation to one another ensures a very precise phase and coverage characteristic. For installation applications, the universal MultiRigg™ be used to mount the system. Two different horn forms are available to better cover various sound reinforcement situations. The integrated amplifier electronics are based on Class D power amplifiers, which are controlled via particularly low-noise FPGA DSP processing. Various factory-configured presets and volume settings can be called up. Remote monitoring and control is carried out via the Ethernet interface using SEEBURG Network Manager. Signal transmission (AoE) in accordance with the AES 67 standard is also possible.

PRODUCT SPECIFICATIONS

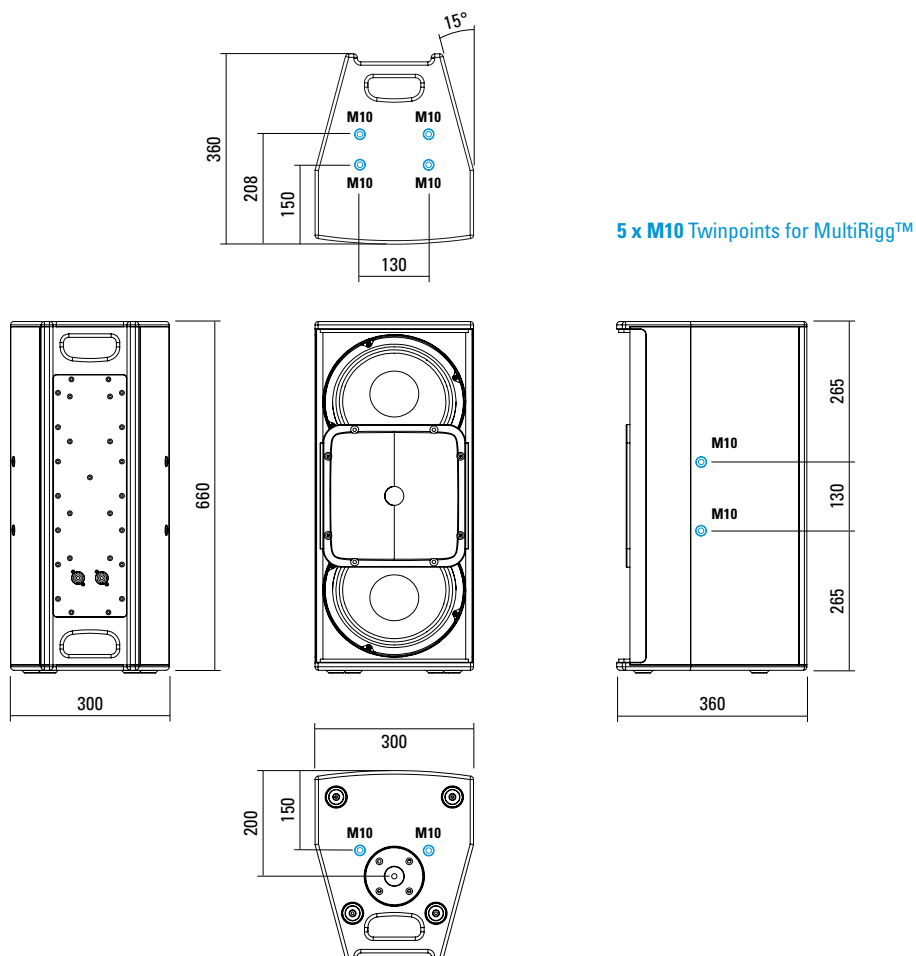
Speaker Components	2 x 10" Nd / 1.4" Nd
Description	Digitally Powered HiMid System
Amp Power AES	CH. 1: 1000 W AES (LF) CH. 2: 350 W AES (HF)
Rated Current	1,8 A @ 230 V
SPL Peak @ 1 m	134 dB
Max. Input Signal	25 dBu
DSP	DPLMx FPGA Processing 32 bit floating point
AD / DA	24 bit / 96 kHz
Latency	0,8 ms (analog in to analog out)
Usable Range	70 Hz - 18 kHz (-6 dB)
Tuning Frequency excursion minimum	80 Hz
X-Overpoint acoustical	Depends on preset
Coverage horizontal / vertical	90° x 60° (60° x 50°), rotatable
Connectors	XLR in/thru, Ethercon, Powercon in/thru
Handles	2 x
Rigging / Fittings	10 x M10 for MultiRigg™ 35 mm Pole Mount
Weight	22 kg
Size height x width x depth	66,0 x 30,0 x 36,0 cm
Order No.	01024/dp/90° (90° x 60° Version) 01024/dp/60° (60° x 50° Version)



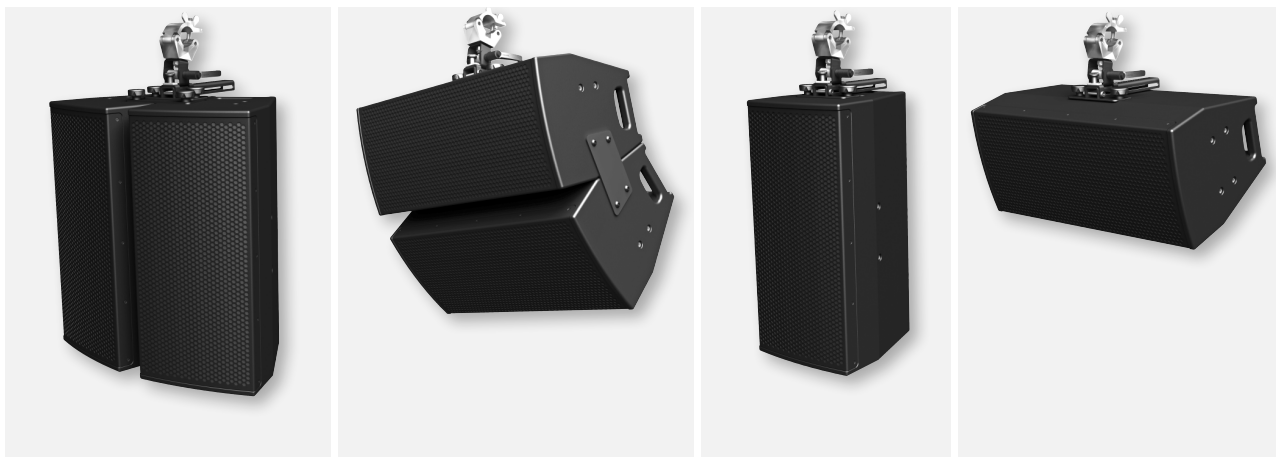
Simple installation with the universal MultiRigg™.



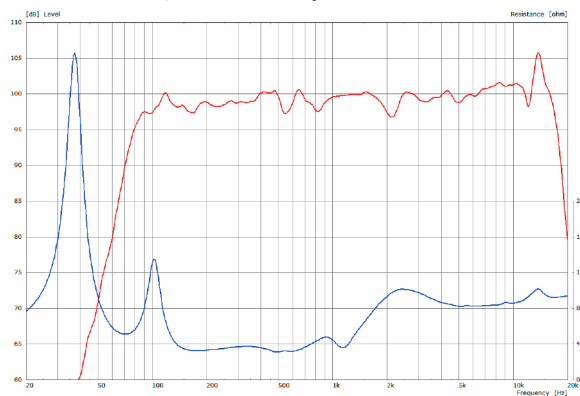
DIMENSIONS



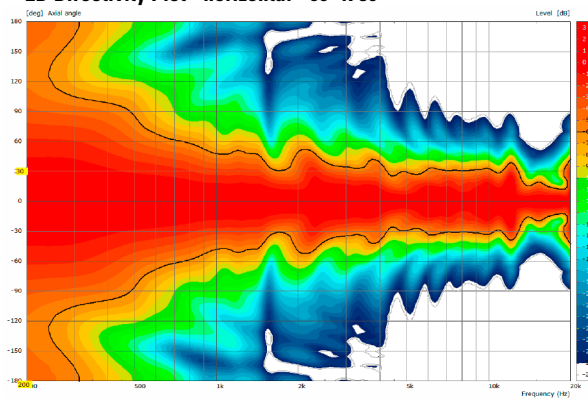
APPLICATIONS



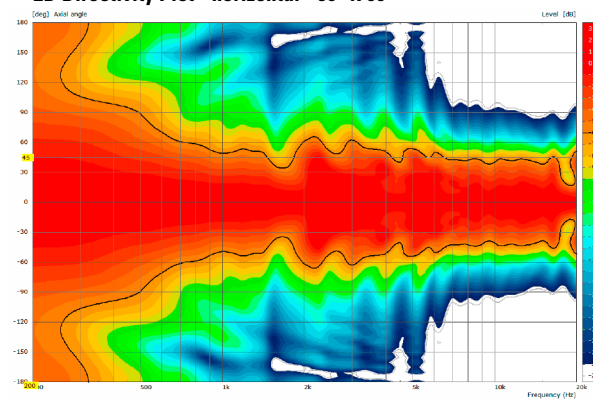
K 20 - Sensitivity 1 W @ 1 m + Impedance with Preset



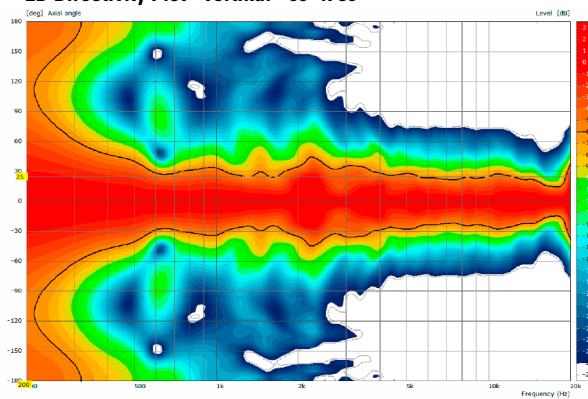
2D Directivity Plot - horizontal - 60° x 50°



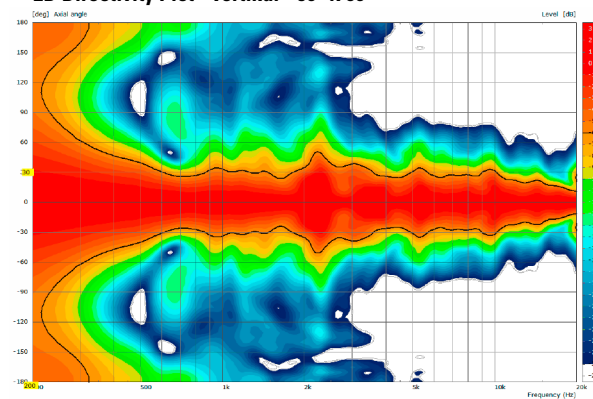
2D Directivity Plot - horizontal - 90° x 60°



2D Directivity Plot - vertikal - 60° x 50°



2D Directivity Plot - vertikal - 90° x 60°



The K 20 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.

 [Presets > Quick Start Manual](#)

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.
- Electronically balanced to prevent noise.



Presets

Flat

This setting provides a linear frequency response with a neutral sound characteristics. Standard setting for many applications.

High Boost

For use on long distances.

Boost

Similar to the „Flat“ preset, but with increased low end response.

Soft

Reduces the level in the frequency range from 2.5 - 5 kHz, to which the ear is particularly sensitive. This setting is recommended for high level reproduction of highly compressed music tracks.

Mode - key

Switches between control modes Status, Level and Presets.

Set - key

Setting of various values and Mute on / off.

Powercon (blue)

Power supply
~ 110-230 V / 16 A max.

Powercon (grey)

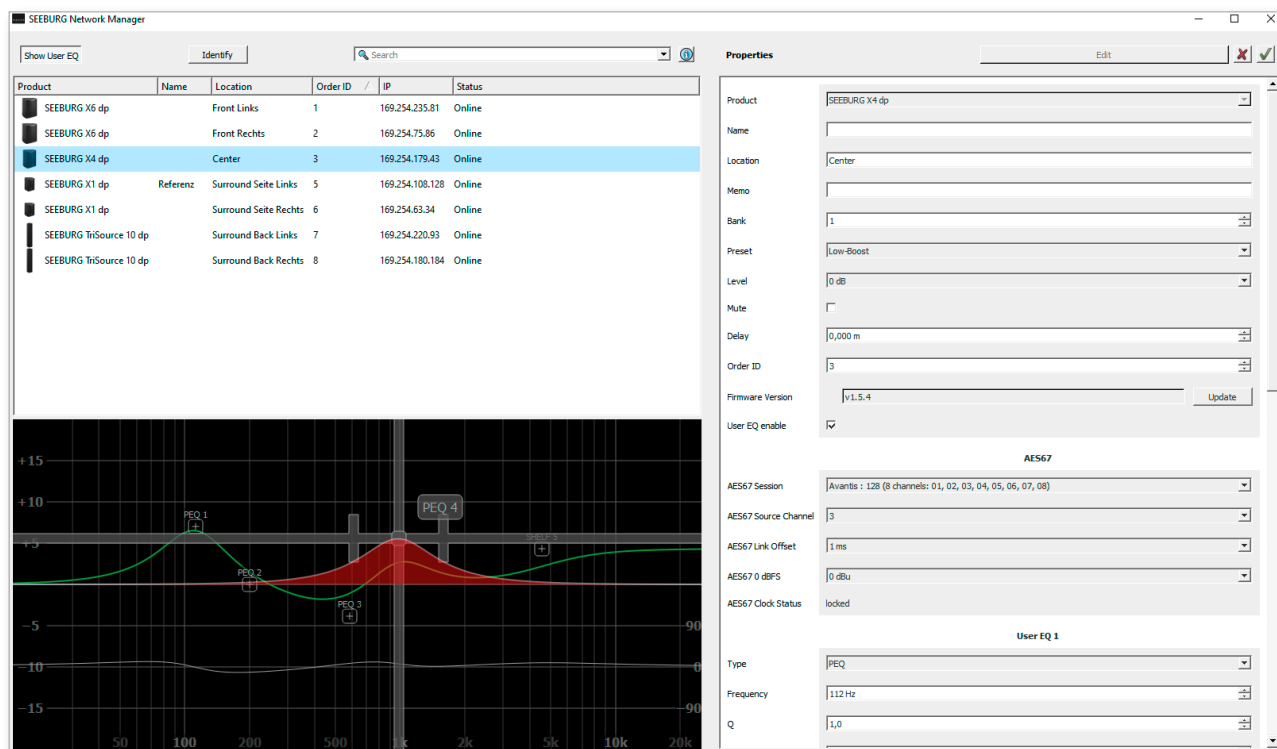
~ 110-230 V / 16 A max.
loop through connector

Controller Setups:

<https://www.seeburg.com/en/downloads>

SEEBURG NETWORK Manager

With the Software SEEBURG Network Manager all selfpowered systems can be controlled via network.



Features:

- > **Remote control** of functions such as recalling presets and banks, level control and mute, and locking the controls on the loudspeakers.
- > **Visual display** of all systems connected to the control network.
- > Storable names and location labels with a **global search function**.
- > **Selection of loudspeakers** in the list for simultaneous set-up and control changes.
- > **Fully parametric user EQs and delay settings** for time alignment, with a graphical user interface
- > **Time Delay** with up to **2.8 seconds runtime**.
- > **Audio-over-Ethernet (AoE) via AES 67.**
- > Connection with **media control systems** via **API**.
- > Basic **network settings**.
- > **Documentation** is available **online**.
- > **Identification function** by way of flashing LEDs on the dp loudspeaker systems.
- > **Firmware updates** can be applied.



[SEEBURG Network Manager > Quick Start Manual \(pdf\)](#)

AES NETWORK interface

All selfpowered systems are equipped as standard with an **AES Network interface**.

This is used for **remote control** via the **SEEBURG Network Manager** and for **Audio-over-Ethernet (AoE) audio transmission** via **AES 67**.



AES Network



MultiRigg™

swiveling fastening solution for horizontal and vertical alignment, for flown / ground stacked / mounted applications, incl. accessories (2 x knurled screws M10 x 20 mm, 1 x handle screw M8 x 55 mm), max. load 50 kg

Order No. **01360**



MultiRigg™ light

version for fixed installations, for horizontal and vertical alignment, tiltable vertical angle, incl. accessories (2 x M10 x 20 socket head screws), max. load 50 kg

Order No. **01362**



MultiTilt™

Tilt adapter with adjustable tilt from 0° to 37,5° (2,5° steps), integr. pole mount adapter with clamping device, 2 x knurled screws (M10 x 20 mm), max. load 50 kg

Order No. **01370**



Connector

K 20 -> K 20, max. load 75 kg incl. (black version: 6 x M10 x 18 mm star knob screws white version: 6 x M10 x 20 mm socket head screws)

Order No. **08157/set/w** (RAL 9010)

Order No. **08157/set**



Knurled Screw

M10 x 20 mm

Order No. **73750/w** (RAL 9010)

Order No. **73750**



Knurled Head Nut

reduction screw for fastening M10 Pole Mount Adapter (08126)

Order No. **73755**



Pole Mount Adapter

35 mm Ø -> M10 x 16 mm, M8 x 20 star knob screw

Order No. **08126**

Order No. **08126/w** (RAL 9010)



Pole Mount Adapter

35 mm Ø -> M10 x 16 mm

Order No. **08126/II**

Order No. **08126/II/w** (RAL 9010)



Steel Safety

8 mm x 600 mm, max. load 40 kg (BGI 810-3), quick connector undetachably

Order No. **01376/8**



Ring Screw

M10- DIN 580

Order No. **73700** (zincd)

Order No. **73700/sw** (black zincd)



TV Spigot

10 mm internal thread, 28 mm Ø

Order No. **08128**



Quick Trigger Clamp

max. load 100 kg

Order No. **01223/100 kg**



MultiRigg™

ACCESSORIES K 20

Wall Mount



for U-brackets, max. load 40 kg,
incl. screws

(M10 x 70 mm socket head screw,
M10 hex lock nut and flat washer)

for 15" speakers

Order No. **08130/F400/w** (RAL 9010)

Order No. **08130/F400**

Wall Mount



for U-brackets, max. load 40 kg,
incl. (M10 x 70 mm socket head screw,
M10 hex lock nut and flat washer)

for 8"-12" speakers

Order No. **08130/F/269/w** (RAL 9010)

Order No. **08130/F/269**

Speaker Stand



incl. wind up,
height 138,5 to 218 cm,
max. load 50 kg

Order No. **03011**

Rain Cover



for K 20

Order No. **01253/RC**

Cover



for K 20, padded

Order No. **01253**

Flight Case



for 2 pcs. K 20 and accessories,
heavy duty, 9 mm birch multiplex,
PVC coated, 6 x recessed sprung
handles, 2 x butterfly catches,
4 x 100 mm blue wheels, 2 pcs. with
brake, inserts for accessories, interior
lined with felt.

Order No. **16031**

