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.
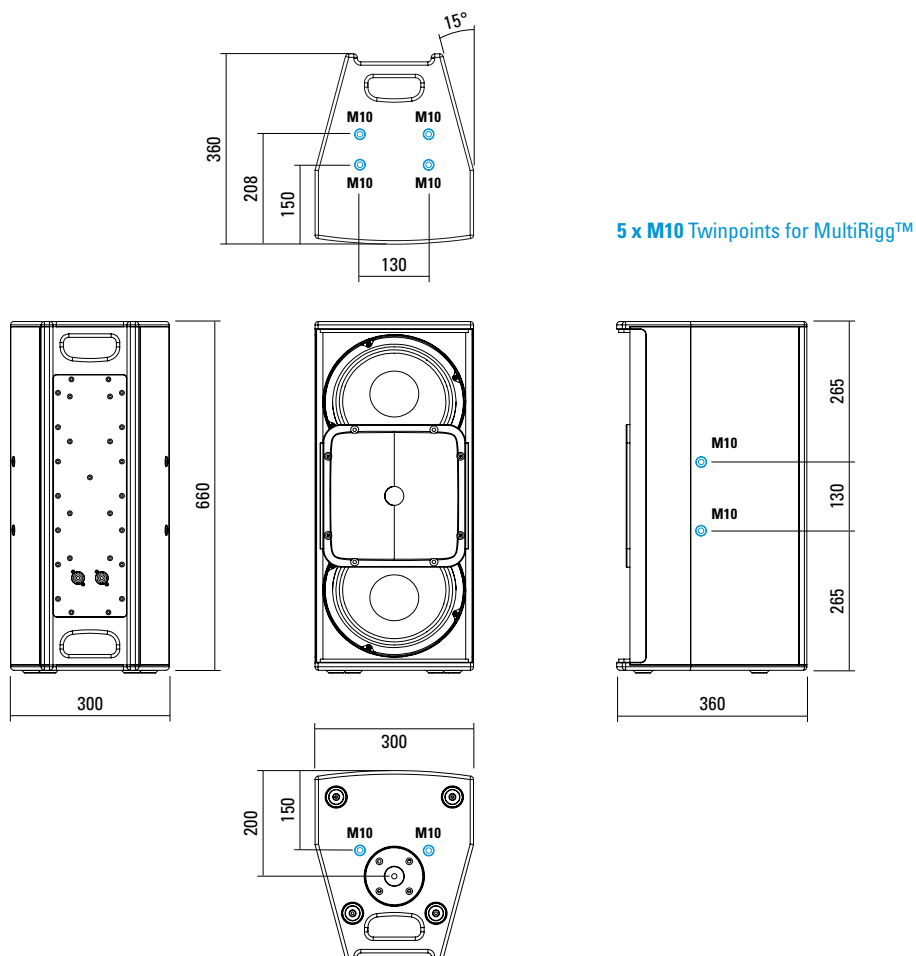
PRODUCT SPECIFICATIONS

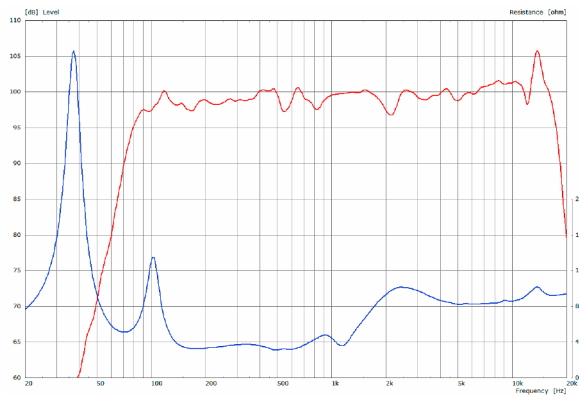|	
Speaker Components	2 x 10" Nd / 1,4" Nd
Description	Digitally Powered HiMid System
Amp Power AES	CH. 1: 1000 W AES (LF) CH. 2: 350 W AES (HF)
Rated Current	1,8 A @ 230 V
SPL Peak @ 1 m	134 dB
Max. Input Signal	25 dBu
DSP	DPLMx FPGA Processing 32 bit floating point
AD / DA	24 bit / 96 kHz
Latency	0,8 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™.

SEEBURG
acoustic line

15°

360
208
150

M10 M10
M10 M10

130

5 x M10 Twinpoints for MultiRigg™

660

300

265
130
265

M10

M10

360

300
200
150

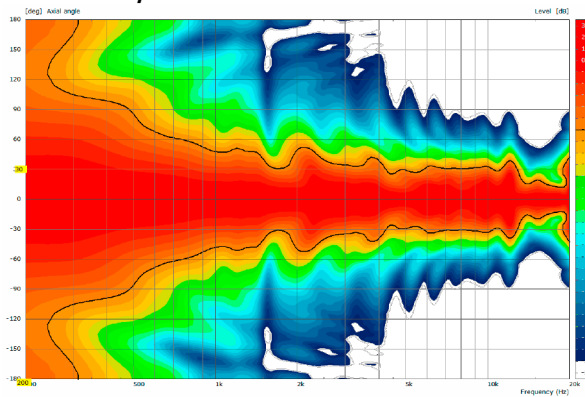M10 M10

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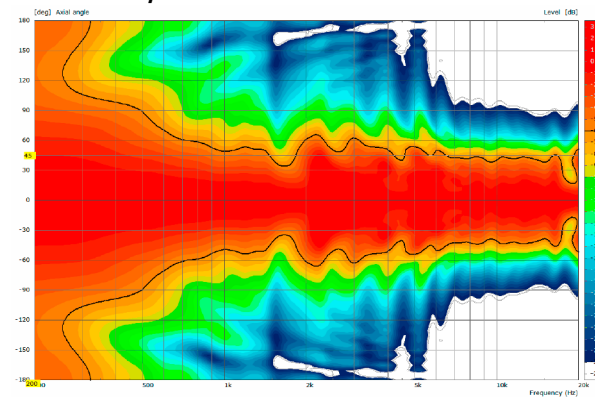
S E E B U R G
a c o u s t i c   l i n e

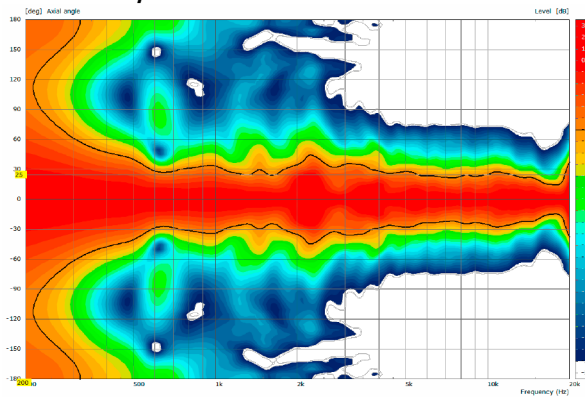**K 20 - Sensitivity 1 W @ 1 m + Impedance with Preset**
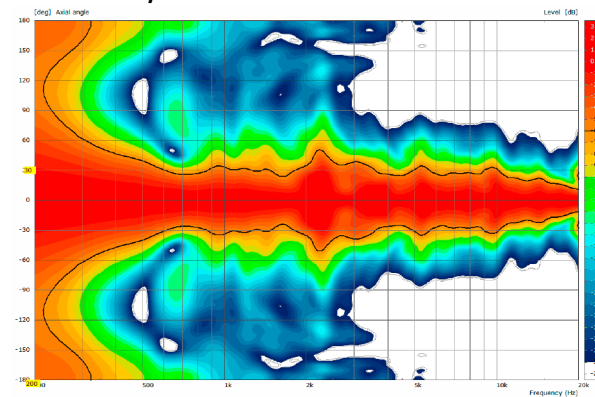

2D Directivity Plot - horizontal - 60° x 50°

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

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

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

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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.

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.

K20 dp
digitally powered Sound System

Amp Power	Ch. 1: 1000 W AES (LF)
	Ch. 2: 350 W AES (HF)
max.SPL @ 1m	134 dB
Usable Range	70 Hz - 18 kHz
Tuning Frequency	80 Hz
Coverage hor./ver.	90° x 60° rotatable
	60° x 50° rotatable
Rated Current	1,8A @ 230V
Weight	22 kg

S E E B U R G
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Made in Germany
www.seeburg.com

CE

Serial No.:

Caution
**Only use the dedicated hardware
to fly the K20 units**

Status	Level	Presets	
Mute	+6dB	Flat	Mode
Limit	0dB	High Boost	
Signal	-6dB	Boost	Set
Power	-12dB	Soft	

AES Network

Mains
110 - 230 V
∼ 50/60 Hz

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

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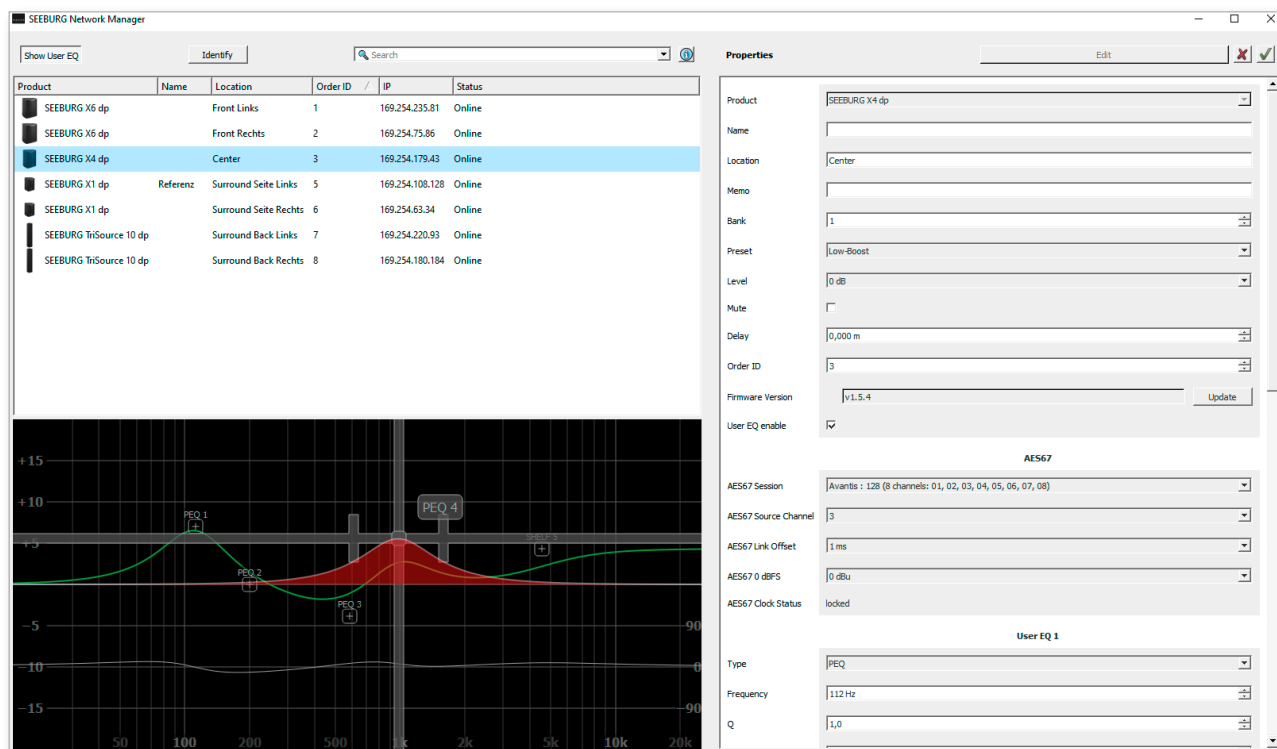Power supply
∼ 110-230 V / 16 A max.

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 simultanious 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.

Quick Start Guide:

www.seeburg.com > DOWNLOADS > User Manuals

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

SEEBURG
acoustic line

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

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™

SEEBURG
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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**

SEEBURG
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