Active high-performance line array system for optimised reproduction of speech and music in acoustically problematic rooms. Various factory-configured presets and volume settings can be accessed. Precise broadband vertical 20° nominal sound bundling is achieved through the acoustical interlinking of two slightly curved, consecutively arranged line arrays. Combined with the horn guide within the high range, this special arrangement additionally ensures exceptionally homogeneous and symmetrically horizontal 100° directivity. GL 24 systems are particularly suitable for individual applications up to a distance of 25 metres and can also be used as a down-fill together with the GL 16i.

PRODUCT SPECIFICATIONS

Speaker Components	6 x 6,5" Neodym
	24 x 1" Neodym
Description	Two-Way Line Array System
Power	2 x 750 W EIA / 195-250 VAC
Max Line Input	+ 21 dBu
DSP	32 bit RISC
Internal Signal Path	32 bit fixed-point, 64 bit accumulator
	64 bit IIR-coefficients
AD / DA	24 bit / 48 kHz
Latency	1.54 ms (analog in to analog out)
SPL max	>130 dB
Frequency Range	80 Hz - 20 kHz (Flat-Preset)
Connectors	Neutrik XLR in/out
	Neutrik PowerCon in/out
Coverage horizontal / vertical	100° x 20°
Handles	2 x handles on backside
Rigging flying points	9 x M10
Fittings	35 mm pole mount
Weight	22 kg
Size height x width x depth	106,0 x 19,0 x 24,5 (34,3) cm
Order No.	**00520/dp**

GL 24 Horn.

Flying Bracket.

Integrated fittings for easy connection.

SEEBURG acoustic line
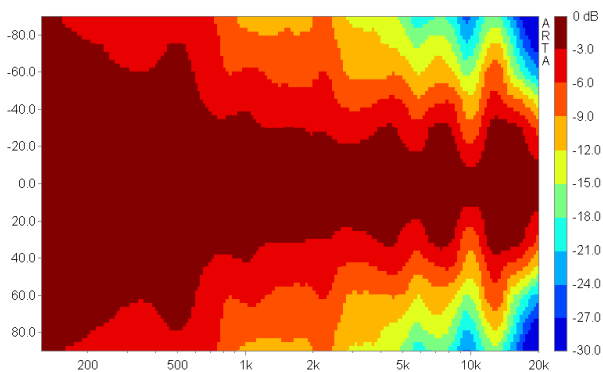
DIMENSIONS

190

245

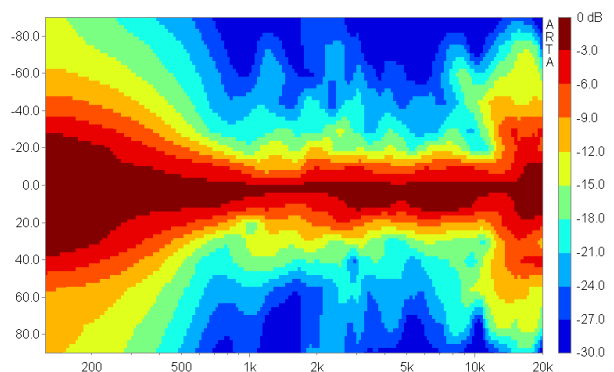1060

M10

M10

M10

M10

M10

343
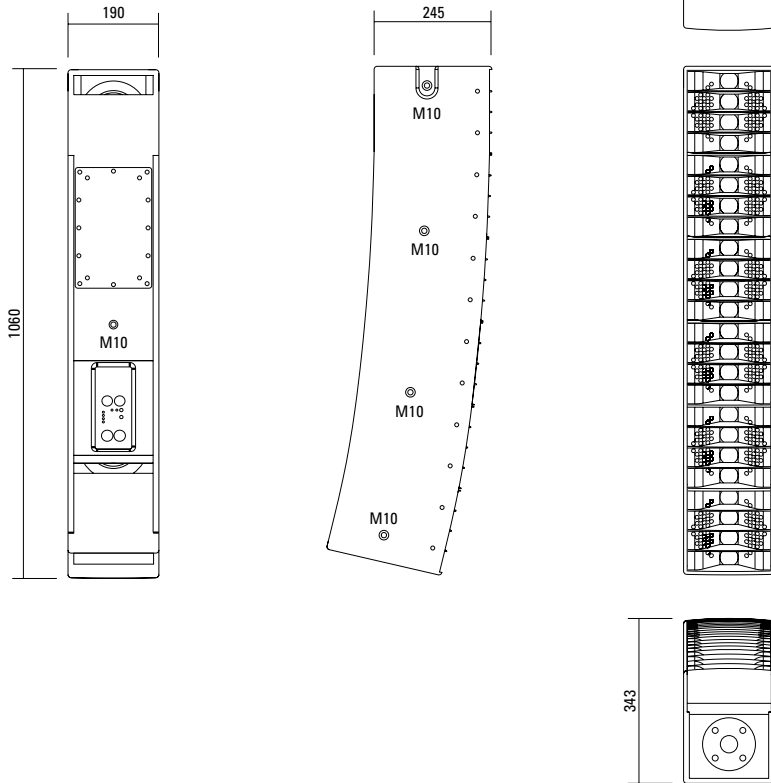
COVERAGE PATTERNS
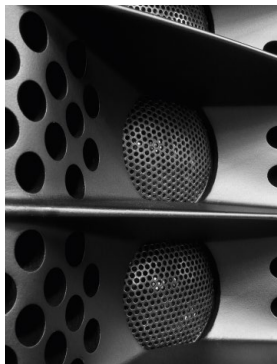
GL 24 horizontal - 2D Directivity Plot
100° horizontal dispersion for good performance
in wide venues.

GL 24 vertikal - 2D Directivity Plot
The j-curving leads to an unsymmetrical vertical dispersion,
narrower in th upper section for long throw and wider in the
lower section for near field.

SEEBURG
acoustic line

AMR® PRINCIPLE

The horn for the 1″ driver (1″ tweeter) contains integrated channels which pass through the sound waves of the low-mid speakers behind it. These channels are sealed in the frequency range of the HF driver due to the air mass inside the channels acting as a reflector (AMR = Air Mass Reflection).

The low-mid speakers operate on an acoustical band pass with a center frequency close to the crossover frequency, leading to a smooth horizontal dispersion over a wide frequency range. Another asset is the extremely compact construction of this design.
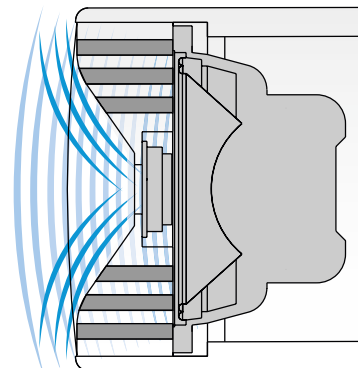
APPLICATIONS

Flying Cradle.

Integrated 35 mm pole mount.

Flying Bracket.

GL 24 dp / G Sub 1501
For applications up to 25 m distance.

GL 16i dp 1000 / GL 24 dp / G Sub
For applications up to 40 m distance.

2 x GL 16i dp 1000 / GL 24 dp
For applications up to 80 m distance.

SEEBURG
acoustic line

The GL 24 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 effectively minimise static noise. Highly efficient and "intelligent" limiter systems ensure optimum protection against overload, without restricting the possibilities offered by this high-performance sound system.

XLR
Symmetrical analog input
Max. Input +21dBu
HF- and DC-filter.
Virtual ground lift

Level
Adjustment in 3 dB steps
(-6 dB to +3 dB)

Mute LED
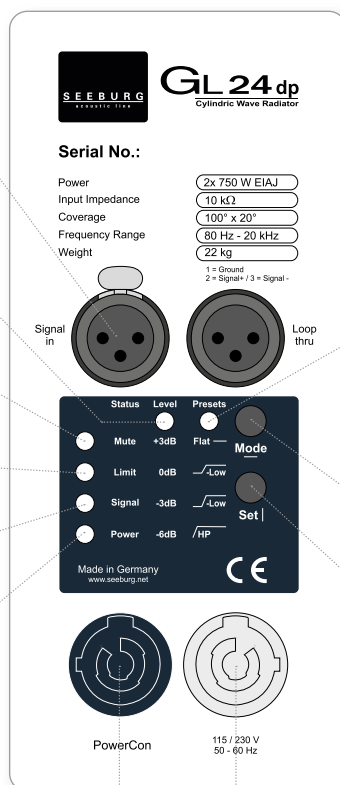Red light when the system is muted or under technically crucial conditions.

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.

Presets

Flat
Standard setting with linear frequency response for stand-alone use.

Low
Slight reduction of low / mid range frequencies for combination with one GL 16 system.

Low
Strong reduction of low / mid range frequencies for combination with several GL 16 systems.

HP
120 Hz high pass filter for combination with subwoofers.

Mode - key
Changing to control modes Status / Level and Presets.

Set - key
Setting of various values and Mute on / off.

PowerCon (blue)
Power supply
195-250 VAC.

PowerCon (grey)
230 VAC / 16 A max.
loop thru connector.

SEEBURG acoustic line
GL 24 dp
Cylindric Wave Radiator

Serial No.:

Power	2x 750 W EIAJ
Input Impedance	10 kΩ
Coverage	100° x 20°
Frequency Range	80 Hz - 20 kHz
Weight	22 kg

1 = Ground
2 = Signal+ / 3 = Signal -

Signal in

Loop thru

Status	Level	Presets
Mute	+3dB	Flat
Limit	0dB	-Low
Signal	-3dB	-Low
Power	-6dB	HP

Mode

Set

Made in Germany
www.seeburg.net

PowerCon

115 / 230 V
50 - 60 Hz

Flying Cradle

for one unit GL 24 or
for up to 6 units GL 16

Order No. **01354**

Savety Steel Rope

4 mm - 50 cm

Order No. **01376**

Flying Bracket

for GL 24
incl. accessories:
4 x M10 x 20 handle screws

Order No. **01352/GL24/set**

Chain fastener

VBS 7 mm

Order No. **01378**

Handle Screw

for flying brackets, adjustable,
M10 x 20

Order No. **08375/20**

Ring Screw

M10– DIN 580,
black zinced

Order No. **73700**

Flange

balanced, 2 x M10, 35 mm Ø,
for up to 2 x GL speakers and
flying bracket

Order No. **08126/bal**

TV Spigot

10 mm internal thread,
28 mm Ø

Order No. **08128**

Flange

M20 x 35 mm– for flying bracket
G3, GL 16, GL 24, K 24

Order No. **08127/nut**

Connection Bar

GL 24 -> GL 16c

Order No. **08158**

Doughty Trigger Clamp

for flying brackets,
SWL 200 kg

Order No. **01222**

SEEBURG
acoustic line

ACCESSORIES GL 24 dp

Wall Mount

for one single GL 16 / GL 24 /
A 2 / A 3 / L-Series

Order No. **03034**

Spacer

for Wall Mount (03034)
polyurea coated

Order No. **03034/spc**

Wall Mount

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

for 15" speakers
Order No. **08130/F/400**

Speaker Stand

Wind up for speaker enclosure,
50 kg max., height 129 to 204 cm

Order No. **03011**

50 kg max., K&M

Order No. **03010**

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**

Bag

for one unit GL 24
Order No. **01233**

Raincover

for GL 24
Order No. **01233/outdoor**

Stretchcover

for GL 24
Order No. **01233**

Flightcase

for 2 units GL 24,
inserts for accessories, compact size,
heavy duty version, PVC coated,
100 mm blue wheels

Order No. **16013/pro/T**

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