

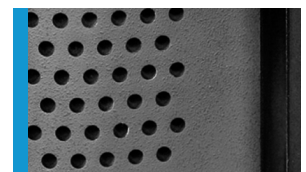
Two-Way Line Array **Galeo**



The Galeo Line Array System is suitable for a wide range of sound applications for which a fast set-up, high sound quality, long throw and predictable directivity are crucial. The application of the patented AMR (Air Mass Reflection) principle and the optimised placement of the drivers provide an exceptionally homogenous and precise horizontal coverage. The Galeo is particularly suitable for high-end permanent installations. The 80° version of the GALEO was developed for narrower audience areas and longer throw. The Galeo's AMR Reflectors in the 80° and the 120° version are interchangeable.

PRODUCT SPECIFICATIONS (for one unit Galeo)

Speaker Components	2 x 8" Nd / 1,4" Nd (3" VC)
Description	Two-Way Line Array Unit
Power AES / Peak	LF: 380 W / 1140 W HF: 80 W / 240 W
Impedance nominal	LF: 16 Ω / HF: 16 Ω
SPL 1 W / Peak @ 1 m	LF: 97 dB / 125 dB HF: 108 dB / 134 dB
Usable Range	75 Hz - 18 kHz (-6 dB)
Tuning Frequency excursion minimum	85 Hz
X-Overpoint acoustical	Depends on preset
Coverage horizontal x vertical	120° x 7° (120°-version) 80° x 7° (80°-version)
Max. Splay Angle	7°
Connectors	2 x Neutrik Speakon NL4MP in/out Coding: 1 +/- HF, 2 +/- LF
Handles	2 x
Rigging / Fittings	4 x M10 Integrated flying hardware
Weight	23,0 kg
Size height x width x depth	25,7 (23,2) x 60,0 x 47,5 cm
Order No.	00400/120 (120°-version) 00400/80 (80°-version)



Galeo 80° AMR horn panel employ the patented „Air Mass Reflection“ principle.

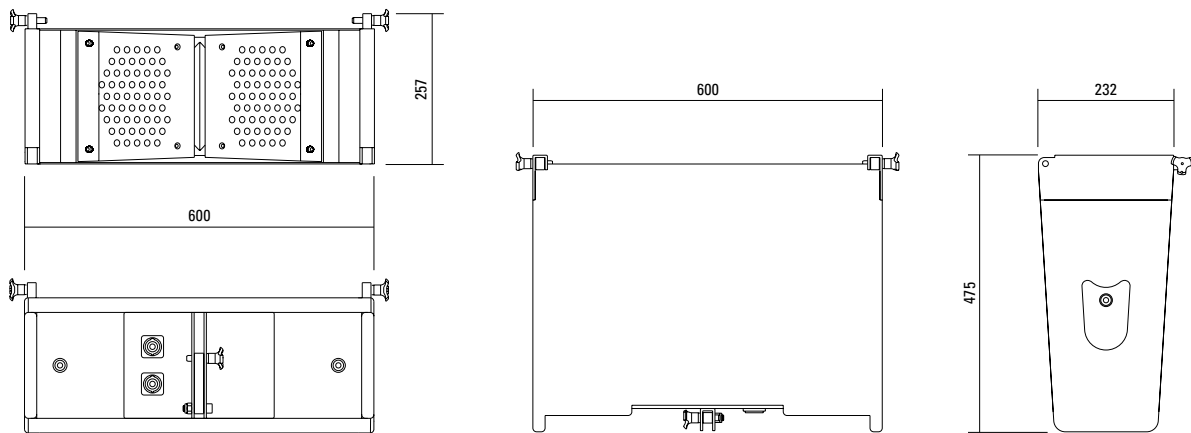


Integrated flying hardware.



Galeo connection panel.

DIMENSIONS



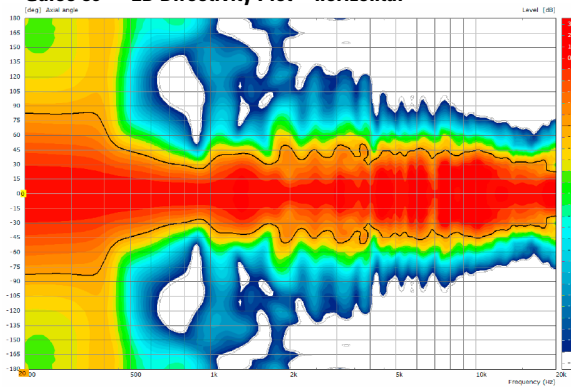
Controller Setups:



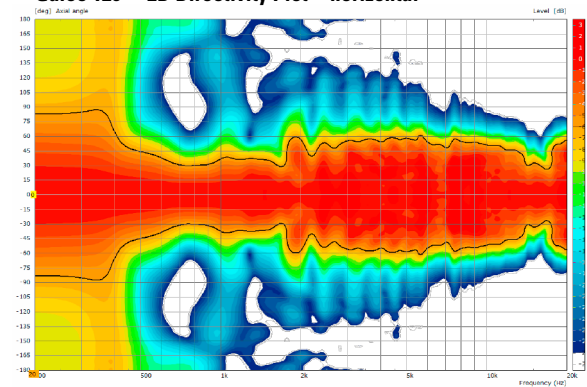
<https://www.seeburg.net/en/downloads>

COVERAGE PATTERNS

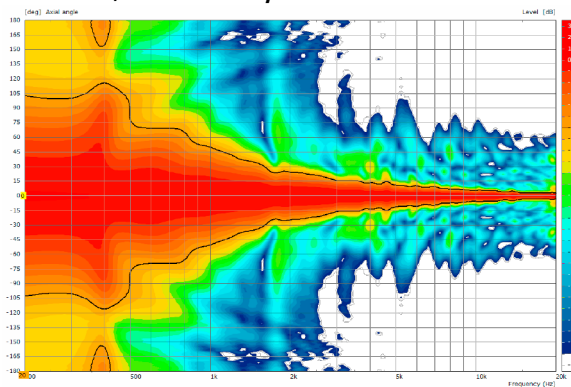
Galeo 80° - 2D Directivity Plot - horizontal



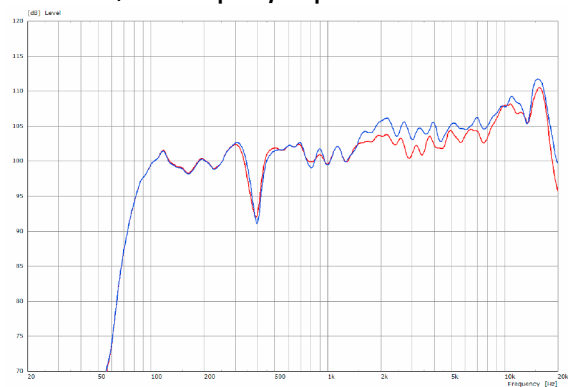
Galeo 120° - 2D Directivity Plot - horizontal



Galeo 80° / 120° - Directivity Plot - vertical



Galeo 80° / 120° - Frequency Response with Presets



AMR® PRINCIPLE

The AMR horn panels contain integrated channels which allow the sound waves generated by the low-mid speakers mounted behind the horn to pass through. For sound waves in the frequency range generated by the 1.4" HF driver, these channels behave as if they were sealed, due to the air mass inside the channels acting as a reflector (**AMR = Air Mass Reflection**).

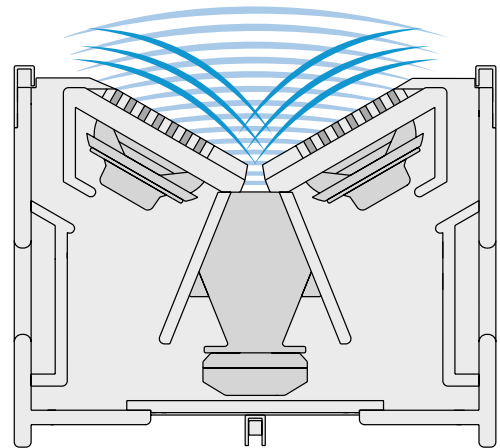
The low-mid speakers are coupled to an acoustical band pass filter with a center frequency close to the crossover frequency between the Mid and HF drivers. This construction provides smooth horizontal dispersion over a wide frequency range. Another asset is the extreme compactness of this design.

Vertical Characteristic / Cylindrical wave front.

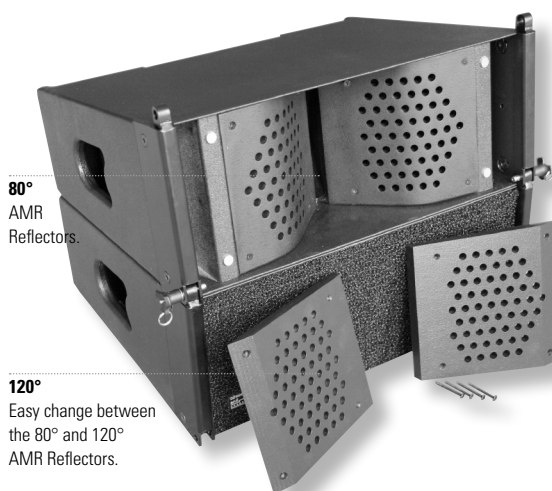
The acoustic coupling between multiple Galeo units produces a cylindrical wave front. The bundling of the acoustical energy means that the system has a longer throw.

The vertical coverage angle is determined by the number of Galeo units, and their angle relative to one another. The longer the array, the longer the throw.

AMR® Principle



AMR® REFLECTORS



80°
AMR
Reflectors.

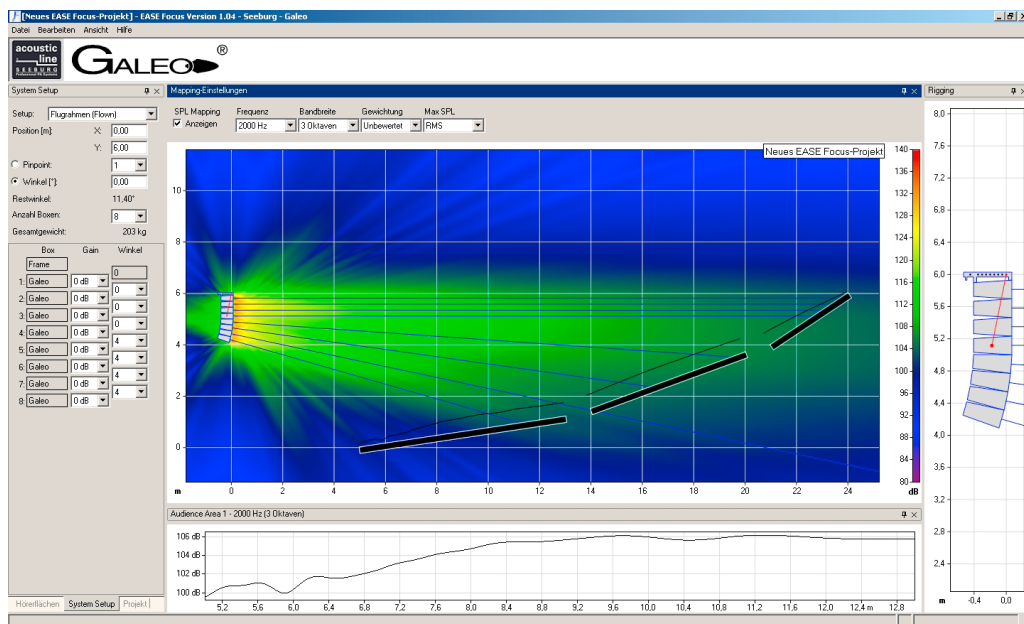
120°
Easy change between
the 80° and 120°
AMR Reflectors.

By exchanging the AMR Reflectors, the horizontal dispersion can be changed from 80° to 120° and back according to demand.

The more tightly bundled 80°- version of the Galeo system was developed especially for narrower audience areas. Thanks to the patented Air Mass Reflection principle, it is characterised by extremely precise and even directivity.

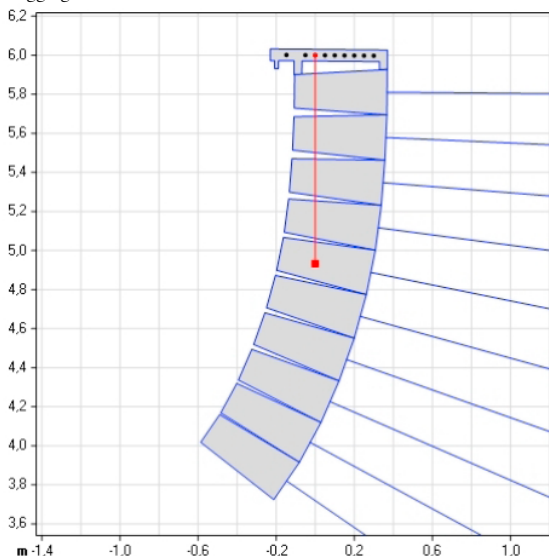
The simulation program.

The EASE-FOCUS software is available for use in the calculation of splay angles and expected coverage characteristics. The program has been especially adapted for the Galeo system. The completed simulation can be exported in printable form as a MS Word document to assist the technician in the installation of the system.



Printable version as MS Word document.

Rigging



Projekt Details

Projekt:	Galeo
Autor:	unbekannter Bearbeiter
Kommentar:	ohne Kommentar

System Details

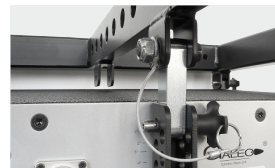
Hersteller:	Seeburg
System Setup:	Galeo
Pick Point:	X= 0,00 m Y= 6,00 m
Winkel:	0,52°
Pin Poin:	7 (Restwinkel = 0,00°)
Framegewicht:	19,00 kg („Flugrahmen“)
Boxgewicht:	230,00 kg („Galeo“)
Gesamtgewicht:	249,00 kg
Höhe:	2,31 m

Rigging Details

Nr.	Box	Gain	Winkel
Frame	Flugrahmen		
1	Galeo	0 dB	0
2	Galeo	0 dB	2
3	Galeo	0 dB	2
4	Galeo	0 dB	3
5	Galeo	0 dB	4
6	Galeo	0 dB	4
7	Galeo	0 dB	4
8	Galeo	0 dB	4
9	Galeo	0 dB	5
10	Galeo	0 dB	6



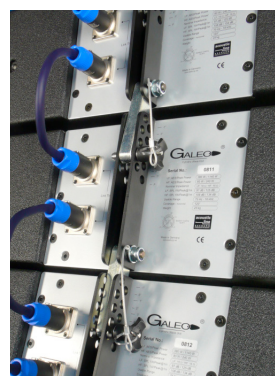
Flying Frame



Connection between the Flying Frame and the Galeo unit.



Simple set up with Ball Lock Pins.

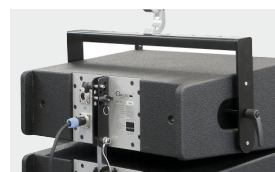


Rear view.

Flying Bracket



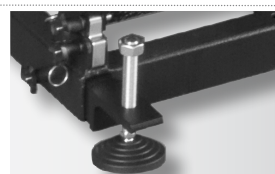
Simple installation for up to two Galeo units.



GROUND STACKED SOLUTIONS



Flying Frame with Steel Supports
for Ground Stacked Applications.



Height adjustable feet.

APPLICATIONS



2 x Galeo / Galeo Sub GV
with Flying Bracket.



4 x Galeo / 3 x G Sub
with Stacking Board.



4 x Galeo / Galeo Sub GV
with Stacking Board.



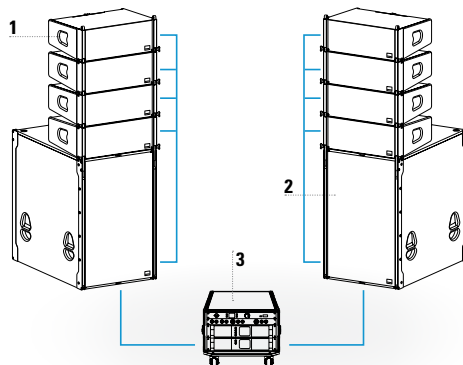
Stacking Board
2 x Galeo / K Sub 1801



The Galeo System.

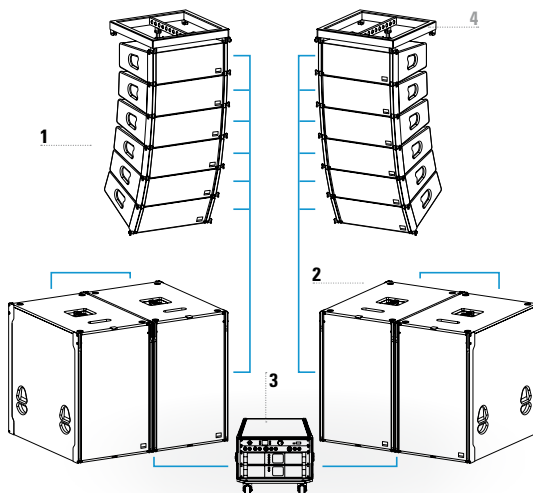
No matter how variable your requirements are, the Galeo System provides the flexibility to meet them all. From small clubs or stage side fills to large scale sound reinforcement for 10.000 listeners, the Galeo system meets all the demands of a high range contemporary sound reinforcement system.

The heart of the system is the HDLM 8 Controller. The unit prepares the individual audio signals for each component of the system, and distributes them to the LAB amplifiers.



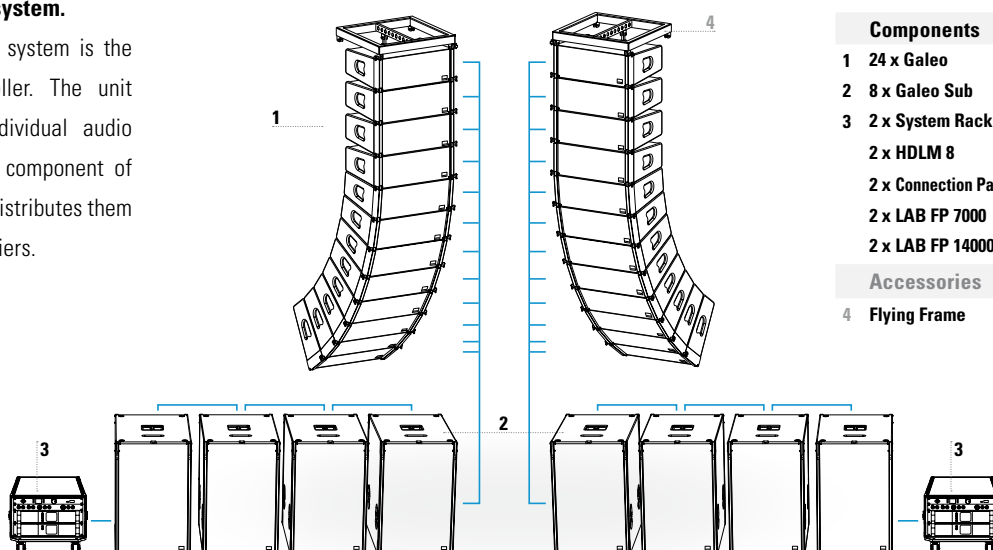
Basic System

Components	Order No.
1 8 x Galeo	00400/120
2 2 x Galeo Sub	00405
3 System Rack	10510
HDLM 8	01402
Connection Panel	01408/NL4
LAB FP 7000	01619
LAB FP 14000	01626



Medium System

Components	Order No.
1 12 x Galeo	00400/120
2 4 x Galeo Sub	00405
3 System Rack	10510
HDLM 8	01402
Connection Panel	01408/NL4
LAB FP 7000	01619
LAB FP 14000	01626
Accessories	Order No.
4 Flying Frame	01381



Large System

Components	Order No.
1 24 x Galeo	00400/120
2 8 x Galeo Sub	00405
3 2 x System Rack	10510
2 x HDLM 8	01402
2 x Connection Panel	01408/NL4
2 x LAB FP 7000	01619
2 x LAB FP 14000	01626
Accessories	Order No.
4 Flying Frame	01381

Flying Bracket



for Galeo incl. screws
(per unit: 2 pcs. M10 x 70 adjustable
handle screws)

Order No. **01385/set**

Flying Frame



with 19" Rack 8 HE

Order No. **01381/combi**

Flying Frame



for Galeo System incl. accessories
(2 pcs. 25 mm ball lock pins and
82 mm distance bar) -
also for ground stack

Order No. **01381**

Steel Support



for groundstack, length 30 cm / 60 cm,
incl. accessories (45 mm ball lock pin,
adjustable, with add. safeguard)

Order No. **01383/60** (length 60 cm)

Order No. **01383/30** (length 30 cm)

Stacking Board



for Galeo

Order No. **01396**

Galeo T-Adapter



to connect Galeo unit to flying frame

Order No. **01384**

Handle Screw



for Galeo flying bracket, adjustable
M10 x 70

Order No. **08375/70**

Ball Lock Pin



for Galeo flying frame, 9,5 x 25,5 mm

Order No. **01380/gal**

for steel support for Galeo ground stack,
10,0 x 45,0 mm

Order No. **01380/45**

Flange



35 mm Ø → M10

Order No. **08126**

Rubber Washer



for flying brackets,
40 mm

Order No. **01205**

TV Spigot



10 mm internal thread,
28 mm Ø

Order No. **08128**

Doughty Quick Trigger Clamp



max. load 250 kg

Order No. **01223/250 kg**

Shackle



heavy duty with safety device,
max. load 3250 kg

Order No. **01372/3250 kg**

Chain Fastener



VBS 7 mm

Order No. **01378**

Ring Screw

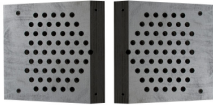


M10- DIN 580,
black zincd

Order No. **73700**

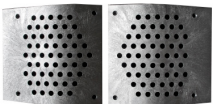
ACCESSORIES Galeo

AMR Reflectors 120°



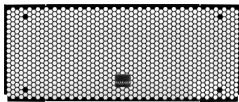
for Galeo / G3,
consisting of 2 pcs.
AMR reflectors 120°,
incl. fittings
Order No. **08141/120**

AMR Reflectors 80°



for Galeo / G3,
consisting of 2 pcs.
AMR reflectors 80°,
incl. fittings
Order No. **08141/80**

Honeycomb Grille



for Galeo, front grille version,
for replacement, foam behind
Order No. **97020/hex**

Speaker Stand



K&M, incl. wind up,
height 138,5 to 218 cm,
max. load 50 kg,
Order No. **03011**

Rain Cover



for 4 x Galeo top units
Order No. **01238/outdoor**

Flight Case



for 2 pcs. Galeo flying frames,
inserts for accessories, heavy duty,
9 mm birch multiplex, PVC coated,
hinged lid, 6 x recessed sprung handles,
2 x butterfly catches, 4 x 100 mm blue
wheels, 2 pcs. with brake
Order No. **16003**

Flight Case



for 4 pcs. Galeo top units,
heavy duty, 9 mm birch multiplex,
PVC coated, hinged lid, 8 x recessed
sprung handles, 4 x butterfly catches,
4 x scanner windows, 4 x 100 mm
blue wheels, 2 pcs. with brake
Order No. **16002**

19" Rack



6 units, prepared for 2 x LAB Amps,
HDLM 8, Connection Panel,
incl. internal cabling and installation
Order No. **10510**



Stacking Board



Flight Case



Rain Cover