



FINEO

THE NEW INSTALLATION STANDARD



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FINEO is the new HK Audio product family for professional fixed installations in indoor areas.

FINEO is intended for „daily business“, where primarily small to medium-sized installations are implemented directly by local dealers or service providers. Here, elaborate planning, simulations and public tenders are seldom carried out - instead, the focus is on uncomplicated products with high sound quality, solid mounting accessories, easy integration and, last but not least, an attractive price/performance ratio.

This is exactly where FINEO is placed and, below SI SERIES and VORTIS (2), represents the new basis of HK Audio's „Made in St. Wendel“ product portfolio.

Typical fields of application are:

- Music clubs, theaters and karaoke bars (KTV)
- Sports venues, conference environments and small houses of worship
- Event catering, hospitality and background sound systems
- Multifunctional halls, community centers and auditoriums
- Exhibitions, immersive/multi-channel systems and Power Hi-Fi

Features

As a speaker series thought of as from scratch, FINEO offers features and formats that are particularly important and in demand in typical installations today. Based on feedback from installation professionals with years of experience, many detailed solutions were implemented for FINEO that guarantee uncomplicated integration in practice. The broadly positioned product family consists of five passive mid/high units as well as five subwoofers, which are available in black and white as standard.

The professionalism of this new product line is emphasized by the extremely robust construction of the cabinets. With certified ball impact resistance according to DIN 18032-3, FINEO may also be installed in sports facilities.

In addition to a variety of mounting points, matching U-brackets and wall mounts are available. The universal

VESA format guarantees maximum flexibility and adaptability to customer requirements. In addition, data for many different digital signal processors (DSPs) is available. Furthermore, simulation data is provided in GLL format for EASE and EASE FOCUS 3. All these and many more features set the FINEO loudspeakers apart from comparable products on the market.



FINEO - New features and formats.

Five new passive mid/high units and subwoofers – including new formats such as coaxial 5" /1" compact speakers and flyable subwoofers.

Based on feedback from experienced installation professionals, FINEO has integrated many features and modern detailed solutions that make integration noticeably easier in practice.



Ball impact-proof. Safe!

All FINEO loudspeakers are ball impact-proof as standard and thus meet the strict requirements of the German standard for sports facilities (DIN 18032-3).

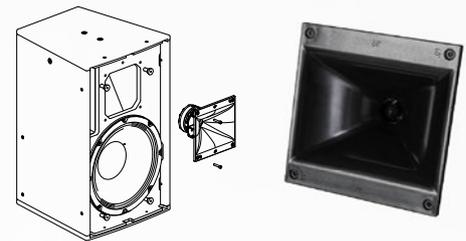
Massive front grilles and additional steel reinforcements thus cope with even the greatest mechanical demands.



Controlled directivity.

Modern high frequency horns from the in-house R&D allow almost perfect directivity, so that the sound character on the audience areas remains constant.

To achieve this, FINEO uses a horn that is already familiar from the CX-8 professional touring product. With its square shape, it can be rotated by 90°, which is always useful when the speaker is to be installed horizontally.



VESA. Making it work.

A standardized VESA hole pattern is available on the back of all FINEO speakers. Inside the cabinet, this is supported by generous steel reinforcements.

The VESA mounts adapt both HK Audio accessories and any special accessories from third-party suppliers, thus allowing maximum flexibility for your installation.



Deep integration.

For FINEO, we supply DSP presets for Lab.gruppen IPX and LEA Professional, as well as Filter Sheets for nine other (new!) DSP platforms.

More than ever before – to make integration easier than ever before.

LAB.GRUPPEN

LEA 

 Powersoft

biamp

 LINEA RESEARCH

 Q-SYS

Simulations. Precise and reliable.

Whether acoustic simulations are needed for demanding projects or quick preliminary planning - with the data in GLL format, FINEO loudspeakers can be calculated in both EASE (4.4/5) or EASE FOCUS 3.



FINEO - Product Overview Speakers

Mid/High Units



FO 5
(black) 1007997
(white/RAL*) 1008089



FO 8
(black) 1007998
(white/RAL*) 1008090



FO 10
(black) 1007999
(white/RAL*) 1008091



FO 12
(black) 1008000
(white/RAL*) 1008092



FO 15
(black) 1008001
(white/RAL*) 1008093

Subwoofers



FO S112
(black) 1008002
(white/RAL*) 1008094



FO S112 F
(black) 1008065
(white/RAL*) 1008095



FO S118
(black) 1008003
(white/RAL*) 1008096



FO S118 F
(black) 1008067
(white/RAL*) 1008097



FO S218
(black) 1008004
(white/RAL*) 1008098

FINEO – Product Overview Accessories



FO 5 U-bracket
(black) 1008026
(white/RAL*) 1008099



FO 5 L-bracket (pair)
(black) 1008081
Available in black only!



FO 5 Adapter plate VESA MIS-D
(black) 1008083
(white/RAL*) 1008084



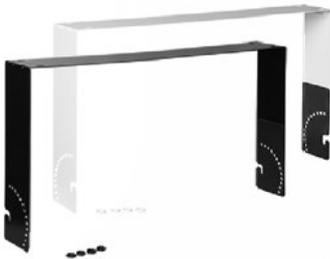
FO 8 U-bracket
(black) 1008027
(white/RAL*) 1008100



FO 10 U-bracket
(black) 1008028
(white/RAL*) 1008101



FO 12 U-bracket
(black) 1008029
(white/RAL*) 1008102



FO 15 U-bracket
(black) 1008030
(white/RAL*) 1008103



FO S112 F U-bracket
(black) 1008054
(white/RAL*) 1008104



FO S118 F U-bracket
(black) 1008055
(white/RAL*) 1008105



BM-360
(black) 1008085
(white/RAL*) 1008086



Swivel & Tilt Mount S (VESA MIS-D)
(black) 1008077
(white/RAL*) 1008078



Swivel & Tilt Mount L (VESA MIS-E)
(black) 1008079
(white/RAL*) 1008080



SF-35
(black) 1008137
(white/RAL*) 1008138

FINEO - Technical Data Mid/High Units

Characteristics	FO 5	FO 8	FO 10	FO 12	FO 15
Concept	Passive 2-way mid/high unit				
Cabinet principle	Bass reflex				
Power handling RMS	100 W	200 W	300 W	400 W	500 W
Power handling program	200 W	400 W	600 W	800 W	1000 W
Power handling peak	400 W	800 W	1200 W	1600 W	2000 W
Nominal impedance	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms
Max. SPL average	109 dB	116 dB	119 dB	121 dB	122 dB
Max. SPL peak	112 dB	119 dB	123 dB	126 dB	126 dB
Sensitivity 1 W/1 m	87 dB	91 dB	91 dB	94 dB	95 dB
Crossover frequency	3,1 kHz	3,2 kHz	2,9 kHz	2,6 kHz	2,4 kHz
Frequency range -6 dB	81 Hz - 20 kHz	72 Hz - 20 kHz	71 Hz - 20 kHz	70 Hz - 20 kHz	64 Hz - 20 kHz
Frequency range -10 dB	75 Hz - 20 kHz	69 Hz - 20 kHz	67 Hz - 20 kHz	65 Hz - 20 kHz	61 Hz - 20 kHz
Dispersion angle -6 dB	110° (circular)	80° x 60°			

Certifications	FO 5	FO 8	FO 10	FO 12	FO 15
Ball impact resistance (DIN18032-3)	certified (MPA University Stuttgart)				
IP-Protection class (EN 60529)	not specified				

Components	FO 5	FO 8	FO 10	FO 12	FO 15
Low-/mid frequency	1x 5" Celestion coaxial cone speaker with ferrite magnet and 1.5" voice coil	1x 8" Sica cone speaker with ferrite magnet and 1.75" voice coil	1x 10" Sica cone speaker with ferrite magnet and 2" voice coil	1x 12" Sica cone speaker with ferrite magnet and 2" voice coil	1x 15" Sica cone speaker with ferrite magnet and 2.5" voice coil
High frequency	1x 1" Celestion silk dome tweeter with neodymium magnet and 1" voice coil	1x 1" Sica compression driver with ferrite magnet and 1" voice coil			
Crossover	High pass: 18 dB/octave, low pass: 12 dB/octave	High pass: 18 dB/octave, low pass: 18 dB/octave		High pass: 18 dB/octave, low pass: 12 dB/octave	
High frequency protection circuit	Self-healing PTC fuse				
Horn	Coaxial membrane functions as wave guide	BEM-optimized constant directivity horn, rotatable			

Connections	FO 5	FO 8	FO 10	FO 12	FO 15
Input	1 x NL4 Speakon				
Output/parallel output	1 x NL4 Speakon				
Pin assignment	1+/- (input/parallel output), 2+/- (wired through)				

Amping/Presets	FO 5	FO 8	FO 10	FO 12	FO 15
Lab.Gruppen	IPX				
LEA Professional	Sharkware				

Amping/Filter Sheets	FO 5	FO 8	FO 10	FO 12	FO 15
Filter specifications in tabular form for frequency response equalization, without limiter specifications.	BiampTesira, BSS, Lab.gruppen Lake, Linea Research, Marani, Powersoft, QSC Q-SYS, Symetrix				

Mechanical data	FO 5	FO 8	FO 10	FO 12	FO 15
Mounting points	2 x M6 at the side, 4 x M4 at the rear	2 x M8 lateral, 2 x M8 bottom/lid, 1 x M8 rear, 4 x M4 rear		2 x M8 lateral, 2 x M8 bottom/lid, 1 x M8 rear, 4 x M6 rear	
Cabinet material	MDF				
Cabinet surface	1-component acrylic enamel				
Color	Jet black (RAL 9005), signal white (RAL 9003) or special color according to catalog				
Front grille	Steel front grille with anticorrosive coating, backed acoustic foam		Steel front grille with anticorrosive coating, backed acoustic foam and additional steel reinforcements		
Optional accessories	U-bracket, L-bracket, BM-360, adapter plate to VESA MIS-D (100 x 100 mm)	U-bracket, screw-on flange SF-35, swivel and tilt wall mount (size S for VESA MIS-D, 100 x 100 mm)		U-bracket, screw-on flange SF-35, swivel and tilt wall mount (size L for VESA MIS-E, 200 x 200 mm)	
Dimensions (WxHxD)	195 x 195 x 195 mm 7.68 x 7.68 x 7.68 inch	263 x 474 x 263 mm 10.35 x 18.66 x 10.35 inch	321 x 521 x 328 mm 12.64 x 20.51 x 12.91 inch	356 x 580 x 369 mm 14.02 x 22.83 x 14.53 inch	426 x 651 x 425 mm 16.77 x 25.63 x 16.73 inch
Weight	4.2 kg 9.23 lbs	11 kg 24.25 lbs	15.2 kg 33.51 lbs	17.5 kg 38.58 lbs	23.5 kg 51.81 lbs

FINEO – Technical Data Subwoofer

Characteristics	FO S112	FO S112 F	FO S118	FO S118 F	FO 218
Concept	Passive subwoofer	Flyable passive subwoofer	Passive subwoofer	Flyable passive subwoofer	Passive subwoofer
Cabinet principle	Bass reflex				
Power handling RMS	600 W		1000 W		2000 W
Power handling program	1200 W		2000 W		4000 W
Power handling peak	2400 W		4000 W		8000 W
Nominal impedance	8 ohms		8 ohms		4 ohms
Max. SPL average	116 dB		124 dB		129 dB
Max. SPL peak	120 dB		129 dB		133 dB
Sensitivity 1 W/1 m	91 dB		96 dB		98 dB
Frequency range -6 dB	61 Hz - crossover frequency		41 Hz - crossover frequency		37 Hz - crossover frequency
Frequency range -10 dB	42 Hz - crossover frequency		38 Hz - crossover frequency		33 Hz - crossover frequency
Dispersion angle -6 dB	omnidirectional				

Certifications	FO S112	FO S112 F	FO S118	FO S118 F	FO 218
Ball impact resistance (DIN 18032-3)	certified (MPA University Stuttgart)				
IP-Protection class (EN 60529)	not specified				

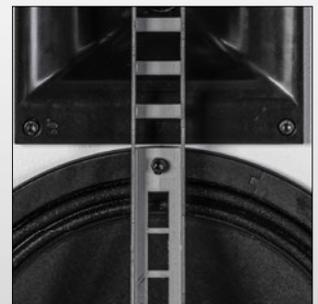
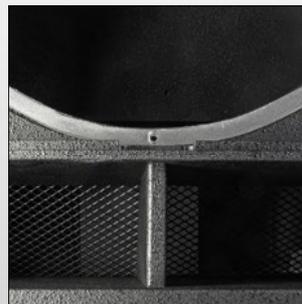
Components	FO S112	FO S112 F	FO S118	FO S118 F	FO 218
Low frequency	1x 12" Sica cone speaker with ferrite magnet and 2.5" voice coil		1x 18" Beyma cone speaker with ferrite magnet and 3" voice coil		2x 18" Beyma cone speaker with ferrite magnet and 3" voice coil
Crossover	no internal crossover				

Connections	FO S112	FO S112 F	FO S118	FO S118 F	FO 218
Input	1 x NL4 Speakon				
Output/parallel output	1 x NL4 Speakon				
Pin assignment	2+/- (input/parallel output), 1+/- (wired through)				

Amping/Presets	FO S112	FO S112 F	FO S118	FO S118 F	FO 218
Lab.Gruppen	IPX				
LEA Professional	Sharkware				

Amping/Filter Sheets	FO S112	FO S112 F	FO S118	FO S118 F	FO 218
Filter specifications in tabular form for frequency response equalization. Without limiter specifications	BiampTesira, BSS, Lab.gruppen Lake, Linea Research, Marani, Powersoft, QSC Q-SYS, Symmetrix				

Mechanical data	FO S112	FO S112 F	FO S118	FO S118 F	FO 218
Cabinet material	MDF				
Cabinet surface	1-component acrylic enamel				
Mounting points	none	4 x M8 lateral, 4 x M8 lid	none	4 x M8 lateral, 4 x M8 lid	none
Color	Jet black (RAL 9005), signal white (RAL 9003) or special color according to catalog				
Front grille	Steel front grille with anticorrosive coating, backed acoustic foam and additional steel reinforcements				Steel front grille with anticorrosive coating, backed acoustic foam and additional plywood and steel reinforcements
Secondary grille	Insertion protection of the bass reflex port made of coated expanded metal				n/a (front grille covers entire front)
Cable routing	Cutouts on the back for cable routing close to a wall to the left, right or below	n/a	Cutouts on the back for cable routing close to a wall to the left, right or below	n/a	Cutouts on the back for cable routing close to a wall to the left, right or below
Feet	4 x rubber foot on bottom	n/a	4 x rubber foot on bottom	n/a	4 x rubber foot on bottom, 4 x rubber foot lateral
Accessories	n/a	U-bracket	n/a	U-bracket	n/a
Dimensions (WxHxD)	474 x 478 x 506 mm 18.66 x 18.82 x 19.92 inch		520 x 608 x 721 mm 20.47 x 23.94 x 28.39 inch		1128 x 608 x 721 mm 44.41 x 23.94 x 28.39 inch
Weight	24.5 kg 54.01 lbs	25.2 kg 55.56 lbs	39.3 kg 86.64 lbs	40.5 kg 89.29 lbs	73.9 kg 162.92 lbs



HK Audio®
P.O.Box: 1509
66595 St. Wendel, Deutschland

info@hkaudio.com
www.hkaudio.com

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