



PORTABLE
PLUG & PLAY
INSTALLATION
WEATHER-RESISTANT
TOURING



PRODUCT CATALOG
2023

MAG AUDIO is a Ukrainian manufacturer of professional audio equipment. The company's history stretches back to 1991, when Boris Khasin established a full-service magnet factory in the small city of Bila Tserkva, about 100 kilometers south of Kyiv. Today, MAG remains a family business, run by Boris' two sons, Leonid and Alexander Khasin.

MAG is short for "magnet", as the company's first foray into the world of sound was through magnets and components for audio systems. However, since 2008 has shifted its focus to professional-grade speakers, with a speciality in tour and cinema sounds.

Over the past 30 years, MAG has transformed from the top European manufacturer of magnets to a world-renowned audio-specialist, with two separate divisions: MAG Audio, which produces speaker equipment for professional grade venues and tours, and MAG Cinema, which is focused on providing speaker systems to cinemas across the world. Today, MAG equipment is installed in more than 120 countries.

The company's slogan, "sounds as designed," explains its distinctive feature: MAG is more about creating, not just producing. Every product is a result of a cooperative brainstorming of clients and engineers, experts from across both Ukraine and Europe. This collaboration is our secret tool to bring innovative sound from conception to reality. To this end, MAG Audio produces their own high and low-frequency drivers based on the company's proprietary technology.

According to the latest updates of the MAG's policies, every client who purchases a large-scale audio system also receives a full training in our equipment and components, ending with an exam. Our confidence in our product also

free us to offer an up to 10 year warranty on our equipment.

In 2019 the company presented MAG MUST – a revolutionary solution designed to provide a sound at diverse venues, both large and small, suitable for either bar or a stadium. The MAG MUST (Multiple Uniform Sound Technology) is unique in that with the help of scalable equipment – like a compact line array MAG WASP – you can achieve a uniform and optimal sound pressure level throughout the entirety of a venue.

MAG Audio prides itself on its innovation and versatility. Our openness is our key to success – our willingness to listen to creators, hear their ideas, and reverberate that sound to the rest of the world.





NX SERIES

PASSIVE | NX 10 | NX 12 | NX 15

POWERED | NX 10A | NX 12A | NX 15A

INSTALLATION | NX 10i | NX 12i | NX 15i

WEATHER-RESISTANT | NX 10 IP | NX 12 IP | NX 15 IP



NX full-range cabinets are based on top-line low-distortion neodymium transducers and high frequency drivers fitted with demodulation rings and copper caps, allowing for prolonged high-SPL operation while preserving clarity and intelligibility.

Powered cabinets employ state-of-the-art amplification from Powersoft® and provide ease of use with built-in carefully adjusted presets. Passive NX speakers are fitted with low-distortion crossovers with optimal transfer characteristics, allowing for controlled tuning with external amplification.

Durable birch plywood cabinets are ready to face harsh touring usage. Optionally available weatherproof treatment extends usability into extreme environmental conditions, including theme parks, skating rinks, and swimming pools.

With outstanding performance and high reliability, NX series is designed to meet demands of various applications, where uncompromised sound quality and outstanding reliability is a must.

NX series represents solid and powerful full-range solutions for high-profile fixed installations as well as demanding mobile sound applications.



NX 10 Passive full-range speaker	NX 12 Passive full-range speaker	NX 15 Passive full-range speaker
NX 10i Installation full-range speaker	NX 12i Installation full-range speaker	NX 15i Installation full-range speaker
NX 10 IP Weather-resistant full-range speaker	NX 12 IP Weather-resistant full-range speaker	NX 15 IP Weather-resistant full-range speaker

Frequency Response (-10dB)	55 - 19000 Hz			50 - 19000 Hz			45 - 19000 Hz		
Max SPL ¹	136 dB			137 dB			137,5 dB		
Sensitivity (1W/1m)	97 dB			98 dB			98,5 dB		
LF Driver	10", 3" VC			12", 3" VC			15", 3" VC		
HF Driver	1,5", 2,8" VC			1,5", 2,8" VC			1,5", 2,8" VC		
Nominal Coverage Angle (H x V)	80 x 70 deg			80 x 70 deg			80 x 70 deg		
Impedance	8 Ohm			8 Ohm			8 Ohm		
Nominal power ²	500 W			500 W			500 W		
Connectors	2x Neutrik Speakon (base version); Barrier strip (i version); Barrier strip / Gland nut cover plate (IP version)								
Dimensions (W×H×D) (base model)	319x600x336 mm			379x650x367 mm			436x730x423 mm		
Weight (Net/Shipping)	19 kg / 22 kg			22 kg / 25 kg			26 kg / 29 kg		
Mounting options	NX 10	NX 10i	NX 10 IP	NX 12	NX 12i	NX 12 IP	NX 15	NX 15i	NX 15 IP
M10 mounting points	+	+	+	+	+	+	+	+	+
35mm pole socket, carrying handles, plastic feet	+			+			+		
IP54 protection			+			+			+
Enclosure material	Plywood, wear-resistant paint								
Speaker protection	Steel grill, acoustically transparent backing								

	NX 10A Powered full-range speaker	NX 12A Powered full-range speaker	NX 15A Powered full-range speaker
Frequency Response (-10dB)	55 - 19000 Hz		45 - 19000 Hz
Max SPL (calculated)	134 dB		135,5 dB
LF Driver	10", 3" VC		15", 3" VC
HF Driver	1,5", 2,8" VC		1,5", 2,8" VC
Nominal Coverage Angle (H x V)	80 x 70 deg		80 x 70 deg
Amplifier power	900+500 W		900+500 W
Amplifier	Class D, fan cooling, DSP with phase-linear FIR		
Input sensitivity	0 dBV (1 V RMS)		0 dBV (1 V RMS)
Connector	XLR input, XLR output, Powercon mains		
Dimensions (W×H×D)	319x600x336 mm		436x740x423 mm
Weight (Net / Shipping)	22 kg / 25 kg		29 kg / 32 kg
Mounting	10x M10 mounting points, 35mm pole socket		
Enclosure material	Plywood, wear-resistant paint		
Speaker protection	Steel grill, acoustically transparent backing		

¹ - pink noise, filtered according to AES 2 - 2012, crest factor 12 dB

² - based on transducer power measured according to AES 2 - 2012



ANX12

Flying adapter for NX 10, NX 10A, NX 10i, NX 10 IP, NX 12, NX 12A, NX 12i, NX 12 IP

ANX15

Flying adapter for NX 15, NX 15A, NX 15i, NX 15 IP



LNX10

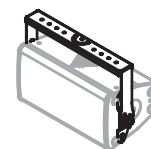
Double bracket for NX 10, NX 10A, NX 10i, NX 10 IP

LNX12

Double bracket for NX 12, NX 12A, NX 12i, NX 12 IP

LNX15

Double bracket for NX 15, NX 15A, NX 15i, NX 15 IP



HNX10

Horizontal bracket for NX 10, NX 10A, NX 10i, NX 10 IP

HNX12

Horizontal bracket for NX 12, NX 12A, NX 12i, NX 12 IP

HNX15

Horizontal bracket for NX 15, NX 15A, NX 15i, NX 15 IP



STING SERIES

PASSIVE | STING 6Q | STING 8 - 114 | STING 8 - 74





Truly a milestone in MAG Audio lines of compact versatile speakers, STING series combines performance, ease of system integration and user friendliness, making it a highly flexible powerful system for portable and installation purposes.

Integrating two 8-inch neodymium woofers with 1,5-inch neodymium high frequency driver into a perfectly coherent point source design, STING 8 delivers focused directivity and pristine sound power for most demanding applications.

Looking for even better control? With rotatable horns providing different dispersion STING 8 puts your sound right where it belongs without sacrificing power, smooth response or reliability.

Mounting accessories were carefully designed to put the user in charge of installation, not the other way around. Speaker stand adapters, vertical and horizontal brackets and ceiling adapters fit STING 8 everywhere from concert halls, clubs and theaters to theme parks and sports arenas.

		
STING 6Q Subcompact point source speaker	STING 8 - 114 Versatile point source speaker	STING 8 - 74 Versatile point source speaker
STING 6Q IP Weather-resistant point source speaker	STING 8 IP - 114 Weather-resistant point source speaker	STING 8 IP - 74 Weather-resistant point source speaker

Frequency Response (-10dB)	80 - 21000 Hz	65 - 19000 Hz	
Max SPL ¹	125 dB	135 dB	
Sensitivity (1W/1m)	91 dB	98 dB	
Drivers	6" Coaxial	LF 2x 8", 2,5" VC / HF 1,5", 2,8" VC	
Nominal Coverage Angle	100° x 100°	110° x 40° or 40° x 110° rotatable	70° x 40° or 70° x 40° rotatable
Impedance	16 Ohm	8 Ohm	
Nominal power ²	150 W	600 W	
Connector	2x Neutrik Speakon, barrier strip	2x Neutrik Speakon, barrier strip	
Dimensions (W×H×D)	200x210x200 mm	608x267x350 mm	
Net weight	6 kg	19,8 kg	
Shipping weight	7 kg	22,8 kg	
Mounting	Microphone stand adapter	2x VESA 100x100, 4x M8	
IP54 weather-protection	STING 6Q IP only	STING 8 IP - 114 only	STING 8 IP - 74 only
Enclosure material	Plywood, wear-resistant paint		
Speaker protection	Steel grill, acoustically transparent backing		

¹ - pink noise, filtered according to AES 2 - 2012, crest factor 12 dB

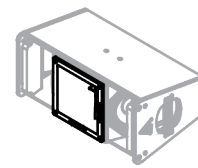
² - based on transducer power measured according to AES 2 - 2012



ST8-PM20
Pole mount adapter for STING 8

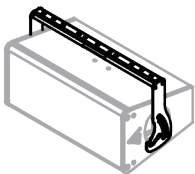


ST8-HA
Handle adapter for STING 8

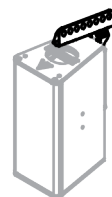


ST8-H114
110° x 40° replacement horn for STING 8

ST8-H74
70° x 40° replacement horn for STING 8



ST8-UB
U-Bracket for STING 8



ST8-FL
Flying adapter for STING 8



ST8-LNK
Vertical coupling for two pcs of STING 8



ST6-TA
Table adapter for Sting 6Q



CBM-150
Ceiling adapter for Sting 6Q



ST6-PM
Fixed stand adapter for Sting 6Q



ST6-PM30
Adjustable stand adapter for Sting 6Q



SUBWOOFERS

PASSIVE | SUB 12 | SUB 15 | SUB 18 | SUB 28
SUB H18 | S 218

WEATHER-RESISTANT | SUB 12 IP | SUB 15 IP
SUB 18 IP | SUB 28 IP

POWERED | SUB 12A | SUB 15A | SUB 18A



MAG Audio SUBWOOFER line consists of versatile low-frequency cabinets compatible with several full-range series. The line offers convenience of passive and powered versions.

Subwoofers are based on the next-generation transducers with reinforced moving system, which makes them capable of withstanding tremendous excursion

while keeping distortion in check. To meet the demands of modern projects, thorough overhaul of low-frequency amplification concept was required.

Cabinets went through careful optimization for most output, least vent noise, and least weight and size. In addition, to withstand extreme weather, the MAG Audio SUBWOOFER line offers a weather-resistant option.

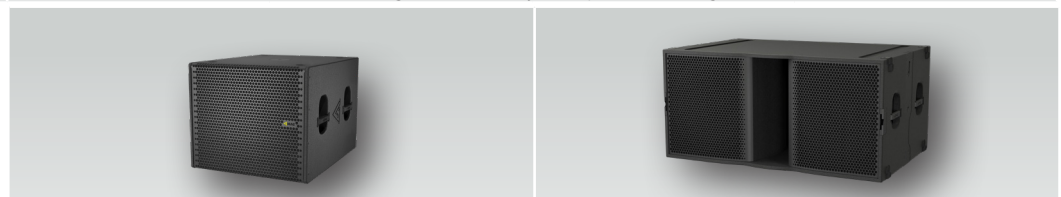


Sub 12 Passive subwoofer	Sub 15 Passive subwoofer	Sub 18 Passive subwoofer	Sub 28 Passive subwoofer
Sub 12 IP Weather-resistant subwoofer	Sub 15 IP Weather-resistant subwoofer	Sub 18 IP Weather-resistant subwoofer	Sub 28 IP Weather-resistant subwoofer

Frequency Response (-10dB)	45 - 300 Hz	37 - 300 Hz	33 - 300 Hz	30 - 220 Hz
Max SPL ¹	133,5 dB	139 dB	141,1 dB	146,1 dB
Sensitivity (1W/1m)	95 dB	97 dB	98 dB	100 dB
LF Driver	12", 3" VC	15", 4" VC	18", 4" VC	2x 18", 4" VC
Impedance	4 / 8 Ohm	4 / 8 Ohm	4 / 8 Ohm	4 Ohm
Nominal power ²	450 W	1000 W	1300 W	2600 W
Connectors	2x Neutrik Speakon (base version); barrier strip / gland nut cover plate (IP version)			
Dimensions (W×H×D)	400x470x494 mm	530x550x551 mm	530x630x665 mm	530x1160x665 mm
IP54 weather-protection	Sub 12 IP only	Sub 15 IP only	Sub 18 IP only	Sub 28 IP only
Weight (Net/Shipping)	29 kg / 32 kg	37 kg / 40 kg	42 kg / 45 kg	78 kg / 81 kg
Mounting	M20 distance pole adapter			
Enclosure material	Plywood, wear-resistant paint			
Speaker protection	Steel grill, acoustically transparent backing			

Sub 12A Powered subwoofer	Sub 15A Powered subwoofer	Sub 18A Powered subwoofer	Sub 28A Powered subwoofer
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Frequency Response (-10dB)	43 - 170 Hz	35 - 170 Hz	31 - 170 Hz	30 - 170 Hz
Max SPL (calculated)	127,5 dB	134 dB	138 dB	139,5 dB
LF Driver	12", 3" VC	15", 4" VC	18", 4" VC	2x 18", 4" VC
Amplifier power	650 W	1400 W	1400 W	3000 W
Amplifier	Class D, fan cooling, DSP	Class D, fan cooling, DSP	Class D, fan cooling, DSP	Class D, fan cooling, DSP
Input sensitivity	0 dBV (1 V RMS)	0 dBV (1 V RMS)	0 dBV (1 V RMS)	0 dBV (1 V RMS)
Connectors	XLR input, XLR output, Powercon mains			
Dimensions (W×H×D)	400x470x494 mm	530x550x551 mm	530x630x665 mm	530x1160x665 mm
Weight (Net/Shipping)	32 kg / 35 kg	40 kg / 43 kg	45 kg / 48 kg	81 kg / 84 kg
Mounting	M20 distance pole adapter			
Enclosure material	Plywood, wear-resistant paint			
Speaker protection	Steel grill, acoustically transparent backing			



Sub H18 Passive subwoofer	S 218 Passive subwoofer
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Frequency Response (-10dB)	32 - 200 Hz	25 - 280 Hz
Max SPL ¹	141,1 dB	147 dB
Sensitivity (1W/1m)	98 dB	101 dB
LF Driver	18", 4" VC	2x 18", 4" VC
Nominal impedance ²	8 Ohm	4 Ohm
Nominal power	1300 W	2500 W
Connectors	2x Neutrik Speakon	4x Neutrik Speakon
Dimensions (W×H×D)	622x516x765 mm	1196x511x700 mm
Weight (Net/Shipping)	45,8 kg / 48,8 kg	89 kg / 92 kg
Mounting	M20 distance pole adapter	Integrated mounting hardware
Enclosure material	Plywood; wear-resistant paint	
Speaker protection	Steel grill, acoustically transparent backing	

¹ - pink noise, filtered according to AES 2 - 2012, crest factor 12 dB
² - based on transducer power measured according to AES 2 - 2012



AIR-C SERIES

INSTALLATION
WEATHER-RESISTANT

AIR-C4 | AIR-C4T
AIR-C5 | AIR-C5T
AIR-C6 | AIR-C8
AIR-C24

INSTALLATION WEATHER-
RESISTANT SUBWOOFER

AIR-S26



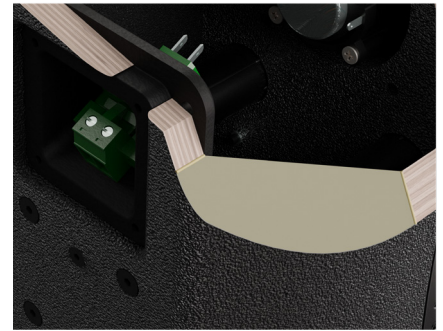
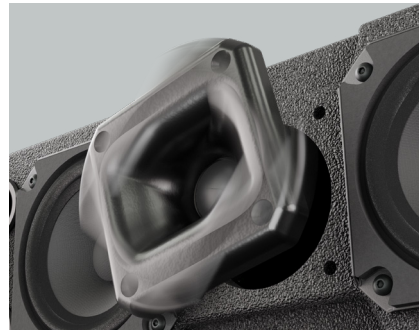
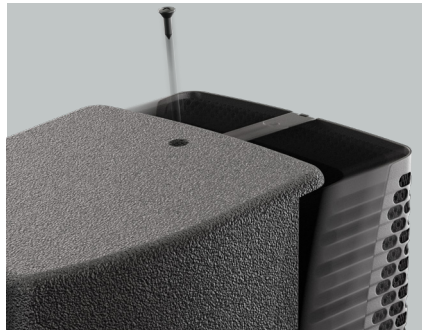
AIR-C series sets a new standard for small-format permanent installations for retail, entertainment, malls, and club settings.

With a rich Hi-Fi sound quality and solid SPL performance AIR-C speakers are nevertheless compact, easy to install and tune, and fully customizable.

The secret of the series' ultimate performance is low distortion high-performing transducers and a proprietary Polycomp© wood/polyurethane composite

cabinet technology. It allowed for the special cabinet form that eliminates internal standing waves.

Not only that, the composite dramatically reduces the cabinet resonances itself, bringing clarity and intelligibility to a whole new level.



AIR-C series is built for ease of installation and tuning. The grill is simple to remove with just two side bolts and gives access to a dispersion-rotating horn. The operation mode of Hi-Z speakers is easily selected with a convenient switch on the back.

It has never been so easy to put the speaker out of sight and maintain a sound that goes straight into the ears: the rotatable HF horn allows to switch the coverage of the speaker between the 100°x70° and 70°x100°, so now both vertical and horizontal placement of the speaker works out just right for your sound application.

AIR-C series uses the proprietary Polycomp© composite technology to create the best enclosure: the polyurethane-wood molded rigid composite design allows no sound compromises by eliminating resonances and internal standing waves.



AIR - C4
Weather-protected installation speaker

AIR - C4T
Weather-protected installation speaker

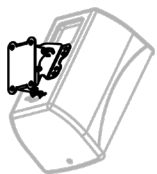
AIR - C5
Weather-protected installation speaker

AIR - C5T
Weather-protected installation speaker

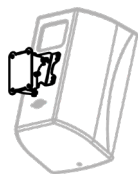
	AIR - C4	AIR - C4T	AIR - C5	AIR - C5T
Frequency Response (-10dB)	90 - 20000 Hz	90 - 20000 Hz	80 - 20000 Hz	80 - 20000 Hz
Max SPL ¹	117 dB	117 dB	119,5 dB	119,5 dB
Sensitivity (1W/1m)	88 dB	88 dB	89 dB	89 dB
LF Driver	4", 1" VC	4", 1" VC	5,25", 1,25" VC	5,25", 1,25" VC
HF Driver	1", 1" VC	1", 1" VC	1", 1" VC	1", 1" VC
Nominal Coverage (H x V)	100° x 70° rotatable	100° x 70° rotatable	100° x 70° rotatable	100° x 70° rotatable
Impedance	16 Ohm	16 Ohm / 70V / 100V	16 Ohm	16 Ohm / 70V / 100V
Nominal power ²	50 W	50 W	70 W	70 W
Connectors	Phoenix	Phoenix	Phoenix	Phoenix
Dimensions (WxHxD)	146 x 260 x 154 mm	146 x 260 x 154 mm	160 x 277 x 157 mm	160 x 277 x 157 mm
Net weight	2,7 kg	2,7 kg	3,6 kg	3,6 kg
Shipping weight	3,5 kg	3,5 kg	4,4 kg	4,4 kg
Mounting	VESA 50x50 Safety mounting points	VESA 50x50 Safety mounting points	VESA 50x50 Safety mounting points	VESA 50x50 Safety mounting points
Weather-protection	IP54	IP54	IP54	IP54
Enclosure material	Polycomp©, weather-resistant paint			
Speaker protection	Steel grill, acoustically transparent backing			



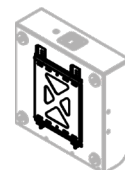
	AIR - C6 Weather-protected installation speaker	AIR - C8 Weather-protected installation speaker	AIR - C24 Weather-protected installation speaker	AIR - S26 Weather-protected installation subwoofer
Frequency Response (-10dB)	80 - 20000 Hz	75 - 20000 Hz	85 - 20000 Hz	41 - 200 Hz
Max SPL ¹	125 dB	128 dB	123 dB	130,5 dB
Sensitivity (1W/1m)	91 dB	93 dB	91 dB	94 dB
LF Driver	6,5", 1,75" VC	8", 2" VC	2x 4", 1" VC	2x 6,5", 1,75" VC
HF Driver	0,75" throat, 1,35" VC	0,75" throat, 1,35" VC	1", 1" VC	-
Nominal Coverage (H x V)	90° x 60° rotatable	90° x 60° rotatable	100° x 70°, rotatable horn	-
Impedance	8 / 16 Ohm	8 / 16 Ohm	8 Ohm	4 Ohm
Nominal power ²	150 W	200 W	100 W	300 W
Connectors	Phoenix	Phoenix	Phoenix	Phoenix
Dimensions (W×H×D)	200 x 350 x 200 mm	240 x 417 x 242 mm	385 x 134 x 146 mm	516 x 165 x 500 mm
Net weight	6,4 kg	9,4 kg	4,4 kg	13,9 kg
Shipping weight	7,2 kg	10,2 kg	5,2 kg	14,9 kg
Mounting	VESA 75x75 Safety mounting point	VESA 75x75 Safety mounting point	VESA 50x50 Safety mounting point	VESA 200x200 Ceiling bracket mounting points Safety mounting points
Weather-protection	IP54	IP54	IP54	IP 54
Enclosure material	Polycomp®, weather-resistant paint			
Speaker protection	Steel grill, acoustically transparent backing			



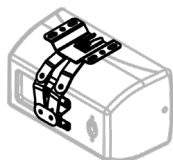
AIR-WS
Wall mounting
for AIR-C4(T),
AIR-C5(T),
AIR-C24



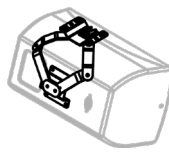
AIR-WL
Wall mounting
for AIR-C6



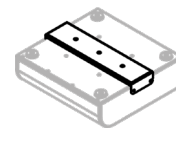
AIR-WB
Wall mounting
for AIR-S26



AIR-CS
Ceiling
mounting
for AIR-C4(T),
AIR-C5(T),
AIR-C24



AIR-CL
Ceiling
mounting for
AIR-C6



AIR-CB-26
Ceiling mounting
for AIR-S26





AIR SERIES

INSTALLATION | AIR-62 | AIR-82 | AIR-122
AIR-152 | AIR-210

WEATHER-RESISTANT | AIR-62 IP | AIR-82 IP
AIR-122 IP | AIR-152 IP
AIR-210 IP

INSTALLATION SUBWOOFERS | AIR-S12 | AIR-S15 | AIR-S18

INSTALLATION WEATHER-RESISTANT SUBWOOFERS | AIR-S12 IP | AIR-S15 IP
AIR-S18 IP





AIR series is a comprehensive range of installation-dedicated speakers, backed-up with various mounting hardware options, including weatherproofing capability.

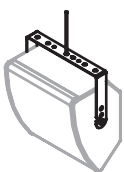
AIR series benefits from truly point-source design based on coaxial and full-range speakers, which opens a new dimension for speaker placement to achieve best possible coverage while keeping sound system visual imprint to the minimum.

From the smallest 6-inch to powerful 15-inch cabinet, AIR speakers have special interior-friendly shape that allows achieving most performance per the space occupied. Carefully optimized enclosures and specifically designed drivers are made to be extremely reliable for many years of trouble-free usage.

Together with installation subwoofers, AIR speakers are capable of significant sound pressure required by modern clubs, bars, entertainment centers, malls, and open-air theme parks. With that in mind, speakers' design from transducers impedances, internal crossovers to wire terminal were optimized for each installation to be convenient and budget-friendly.

			
AIR - 62 Installation speaker	AIR - 82 Installation speaker	AIR - 122 Installation speaker	AIR - 152 Installation speaker
AIR - 62 IP Weather-resistant speaker	AIR - 82 IP Weather-resistant speaker	AIR - 122 IP Weather-resistant speaker	AIR - 152 IP Weather-resistant speaker

Frequency Response (-10dB)	90 - 18000 Hz	80 - 18000 Hz	55 - 18000 Hz	50 - 18000 Hz
Max SPL ¹	126,3 dB	130 dB	135 dB	136,8 dB
Sensitivity (1W/1m)	93 dB	94 dB	96 dB	97 dB
LF Driver	6", 1,75" VC	8" coaxial	12" coaxial	15" coaxial
HF Driver	1", 1" VC			
Nominal Coverage (H x V)	80° x 60°	90° x 90°	80° x 80°	80° x 80°
Impedance	8 / 16 Ohm	4 / 8 / 16 Ohm	4 / 8 Ohm	4 / 8 Ohm
Nominal power ²	150 W	250 W	500 W	600 W
Connectors	Barrier strip	Barrier strip	Barrier strip	Barrier strip
Dimensions (W×H×D)	270x356x233 mm	354x383x254 mm	470x554x344 mm	530x619x348 mm
Net weight	6 kg	9,5 kg	24 kg	25,5 kg
Shipping weight	7 kg	10,5 kg	27 kg	27,5 kg
Mounting	VESA 75x75 3x M10 Mounting points	VESA 75x75 3x M10 Mounting points	VESA 100x100 3x M10 Mounting points	VESA 100x100 5x M10 Mounting points
IP 54 weather-protection	AIR-62 IP only	AIR-82 IP only	AIR-122 IP only	AIR-152 IP only
Enclosure material	Plywood, wear-resistant paint			
Speaker protection	Steel grill, acoustically transparent backing			

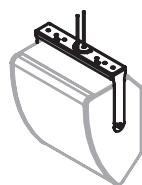


LAIR-62

Mounting bracket for AIR-62, AIR-62 IP

LAIR-82

Mounting bracket for AIR-82, AIR-82 IP



LAIR-122

Mounting bracket for AIR-122, AIR-122 IP

LAIR-152

Mounting bracket for AIR-152, AIR-152 IP



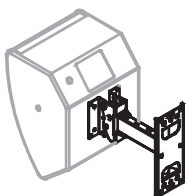
WMT-20

Mounting plaque for AIR-62, AIR-62 IP, AIR-82, AIR-82 IP, AIR-122, AIR-122 IP, AIR-152, AIR-152 IP



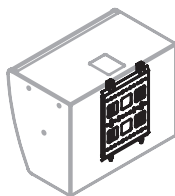
AIR-S12 Installation subwoofer	AIR-S15 Installation subwoofer	AIR-S18 Installation subwoofer	
AIR-S12 IP Weather-resistant installation subwoofer	AIR-S15 IP Weather-resistant installation subwoofer	AIR-S18 IP Weather-resistant installation subwoofer	
45 - 300 Hz	37 - 300 Hz	33 - 300 Hz	Frequency Response (-10dB)
133,5 dB	138,8 dB	141 dB	Max SPL
95 dB	98 dB	98 dB	Sensitivity (1W/1m)
12", 3" VC	15", 4" VC	18", 4" VC	LF Driver
4 / 8 Ohm	4 / 8 Ohm	4 / 8 Ohm	Impedance
450 W	750 W	1300 W	Nominal power
Barrier strip	Barrier strip	Barrier strip	Connectors
620x486x350 mm	700x527x392 mm	840x600x440 mm	Dimensions (W×H×D)
29 kg	36 kg	50 kg	Net weight
33 kg	41 kg	55 kg	Shipping weight
AIR-S12 IP only	AIR-S15 IP only	AIR-S18 IP only	IP54 weather-protection
10x M10 mounting points VESA 200x200	10x M10 mounting points VESA 200x200	10x M10 mounting points VESA 200x200	Mounting
Plywood, wear-resistant paint	Plywood, wear-resistant paint	Plywood, wear-resistant paint	Enclosure material
	Steel grill, acoustically transparent backing		Speaker protection

¹ - pink noise, filtered according to AES 2 - 2012, crest factor 12 dB
² - based on transducer power measured according to AES 2 - 2012



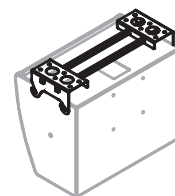
WRM-xxx

Wall mount adapters for AIR-62, AIR-62 IP, AIR-82, AIR-82 IP, AIR-122, AIR-122 IP, AIR-152, AIR-152 IP



LLS

Wall mounting adapter for AIR-S12, AIR-S12 IP, AIR-S15, AIR-S15 IP, AIR-S18, AIR-S18 IP



CL-S12

Ceiling adapter for AIR-S12, AIR-S12 IP

CL-S15

Ceiling adapter for AIR-S15, AIR-S15 IP

CL-S18

Ceiling adapter for AIR-S18, AIR-S18 IP





CLUSTER SERIES

INSTALLATION

CLUSTER Q | CLUSTER Q4
CLUSTER Q8 | CLUSTER S15





Covering the demand for high-pressure systems for night-clubs, concert halls, and sports arenas, Cluster series introduces the power of arrayable speakers into the realm of fixed installation.

Inheriting the best features of reliability, sound performance, and ease of control from touring and mobile sound, Cluster series is augmented with convenient mounting hardware solution for quick setups and perfect fit into the architectural designs.

Cluster Q, Q4 and Q8 along with Cluster S15 subwoofer is a unique installation line array system with integrated mounting capabilities, providing a flexible tool for systems engineer to introduce uniform

coverage into each and any of sound projects. With convenient options for wiring and amplifier connection, Q, Q4, Q8 and S15 can be used to accurately steer the sound field for even the most difficult acoustical conditions.

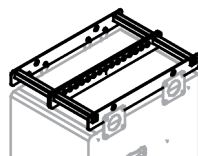
Cluster series are optionally available as waterproof, and can be used with installation subwoofers to deliver a complete package of in-house sound system for a sound-pressure demanding high-profile projects.

			
Cluster Q Installation line array module	Cluster Q4 Installation line array module	Cluster Q8 Installation line array module	Cluster S15 Installation subwoofer
Cluster Q IP Installation line array module	Cluster Q4 IP Installation line array module	Cluster Q8 IP Installation line array module	Cluster S15 IP Installation subwoofer

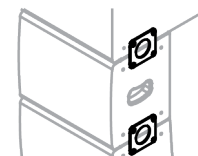
Frequency response (-10dB)	100 - 19000 Hz			37 - 300 Hz
Max SPL ¹	137,2 dB			139 dB
Sensitivity (1W/1m)	98 dB Low / 113 dB High			97 dB
LF Driver	4x 6", 1,75" VC			15", 4" VC
HF Driver	2x 1", 1,75" VC			
Horizontal coverage	90 deg			
Vertical splay angle	0 deg	4 deg	8 deg	
Impedance	8 Ohm Low / 16 Ohm High			8 Ohm
Nominal power ²	520 W Low / 100 W High			1000 W
Connectors	Barrier strip			2x Neutrik Speakon
Dimensions (WxHxD)	480x368x295 mm	480x372x298 mm	480x370x296 mm	480x504x520 mm
Net weight	24 kg			38 kg
Shipping weight	26,5 kg			41 kg
Mounting	Integrated rigging hardware			
IP54 weather-protection	Cluster Q IP only	Cluster Q4 IP only	Cluster Q8 IP only	Cluster S15 IP only
Enclosure materials	Plywood, wear resistant paint			
Speaker protection	Steel grill, acoustically transparent backing			

¹ - pink noise, filtered according to AES 2 - 2012, crest factor 12 dB

² - based on transducer power measured according to AES 2 - 2012



CLUSTER frame
Flying frame for Cluster Q, Q4, Q8, S15



CLUSTER connector
Connector for Cluster Q, Q4, Q8, S15



FD SERIES

INSTALLATION | FD-52 | FD-S15



Field series' design allows for easy coupling allowing engineer to create a tailored solution for the best coverage and clarity in clustered distributed systems domed stadiums, arenas and other large open air spaces.

With comprehensive range of mounting accessories engineered for permanent installation, Field series is prepared to deliver controlled sound into the most difficult installations.

FD-52 is a coaxial horn-loaded 15" and 1,5" HF driver speaker in weather-resistant IP 55 enclosure. Available with wide selection of HF horn providing various coverage patterns, FD-52's are versatile for long-throw and short-distance applications alike.

FD-S15 is a hybrid-horn subwoofer extending operation of Field series for trully full-range applications. Compatible IP55 enclosure allows to integrate FD-S15 straight into a FD-52 clusters for convenience of system engineering, deployment and amplification.



Field series is a range of all-weather installation series specifically designed for stadiums, sports arena and other open air locations, where speakers are exposed to critical weather conditions throughout the year.



FD-52

Weather-resistant installation speaker

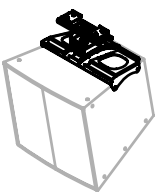
FD-S15

Weather-resistant installation subwoofer

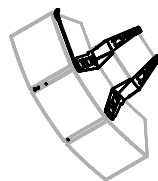
Frequency response (-10dB)	86 - 18000 Hz					43 - 200 Hz
Max SPL ¹	144 dB					144 dB
Sensitivity (1W/1m)	105 dB					102 dB
Drivers	15" woofer, 1,5" HF driver in a coaxial configuration					15" woofer
Nominal Coverage	FD-52.63	FD-52.66	FD-52.93	FD-52.96	FD-52.99	
H x V	60 x 30°	60 x 60°	90 x 30°	90 x 60°	90 x 90°	
Impedance	8 Ohm					8 Ohm
Nominal power ²	500 W					1000 W
Connectors	Barrier strip / Gland nut cover plate					Barrier strip / Gland nut cover plate
Dimensions (WxHxD)	760x765x700 mm					760x765x708 mm
Net weight	58 kg					60 kg
Shipping weight	61 kg					63 kg
Mounting	24x M10 Mounting points					24x M10 Mounting points
Enclosure materials	Plywood; polyurethane environmental resistant paint					Plywood; polyurethane environmental resistant paint
Weather-protection	IP 55					IP 55
Speaker protection	Steel grill, acoustically transparent backing					Steel grill, acoustically transparent backing

¹ - pink noise, filtered according to AES 2 - 2012, crest factor 12 dB

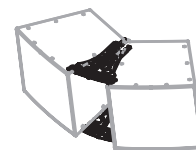
² - based on transducer power measured according to AES 2 - 2012



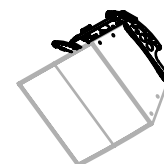
FD-PT36-HEB
Pan/Tilt H-beam
mounting for
FD-52



FD-C-352
Mounting kit for
3x FD-52 and
1x FD-S15



FD-C
Connector for
FD-52, FD-S15



FD-T3090-HEB
Tilt H-beam mounting
for FD-52



VERA M

POWERED SPEAKER SET





Following the success of plug & play powered speaker sets for mobile professionals, DJs and small venues, VerA M speaker set offers a premium package of power, sound pressure and usability.

VerA M is a great solution for DJs and entertainers looking for punching power and pristine clarity in a lightweight and compact solution. With two effective 15" subwoofers and two quad 6-inch satellites, VerA M is a fit for small concert, bar or entertainment hall.

Equipped with premium Powersoft® amplifiers providing enough power headroom and full protection, VerA M

is ready to shake the house with ready presets right out from the box.

Compatibility with VESA mounting brackets and precise dispersion control extends usability to include delay lines, front-fill and balcony coverage.

VerA M series is supplied complete with stands, transportation bags and cables, promptly delivering on "out-of-the-box solution" promise.



VerA M

Powered speaker set



Frequency Response (-10dB)	42 - 20000 Hz
Max SPL (calculated)	132 dB (one subwoofer + one satellite)
Subwoofer transducer	15", 4" VC (one subwoofer)
Satellite transducers	4x 6", 1,75" VC; 1", 1,75" VC (one satellite)
Nominal Coverage Angle (H x V)	60°-90° x 40° with coverage control (per side)
Total system power	6000 W
Amplifier channels	1500 + 1500 W (per side)
Amplifier	Class D, fan cooling, DSP with phase-linear FIR
Input sensitivity	0 dBV (1 V RMS)
Connectors	XLR input, XLR output, Powercon mains
Connections and physical – satellite speaker	
Dimensions (W×H×D)	171x920x232 mm
Net weight	15,4 kg (each)
Shipping weight	17,4 kg (each)
Mounting	35mm pole socket
Enclosure material	Plywood, wear-resistant paint
Speaker protection	Steel grill, acoustically transparent backing
Connections and physical – subwoofer	
Dimensions (W×H×D)	441x621x611 mm
Net weight	34,8 kg (each)
Shipping weight	36,8 kg (each)
Mounting	VerA M top fast-lock adapter
Enclosure material	Plywood, wear-resistant paint
Speaker protection	Steel grill, acoustically transparent backing



FLY SERIES

POWERED | FLY 6 | FLY SUB 12 | FLY SUB 15 | FLY SUB 18



Fly 6 is a compact powered line array specially designed for use in small concert halls, theaters and clubs, where the features of line array are needed.

Based on new neodymium drivers, Fly 6 sets new standards in relation between size, power and sound. Structurally Fly 6 has a closed box with 4-frontally loaded 6-inch neodymium transducers and 2-neodymium 1-inch HF drivers loaded on the waveguide. Each speaker is powered by Powersoft® four-channel digital amplifier module with high-tech DSP.

Due to its design and large accessories selection, this system is easy to use and has many installation options: suspension - up to 4 modules; ground-stack - up to 3 modules. System can be mounted on a stand or adapter, etc.

Fly 6 is reinforced by a comprehensive range of subwoofers: dual 12-inch flyable Fly Sub 12, versatile dual 15-inch Fly Sub 15, and ultimate dual 18-inch Fly Sub 18.



Fly 6

Powered line array module

Frequency Response (-10dB)	100 - 19000 Hz
Max SPL (calculated)	133,5 dB
LF Driver	4x 6", 1,75" VC
MF Driver	2x 1", 1,75" VC
Nominal Coverage Angle (Horizontal x Vertical)	100 x 15 deg
Amplifier power	1050 W
Amplifier	Class D, fan cooling, DSP with phase-linear FIR
Input sensitivity	+4
Settings	4 switchable presets
Connector	XLR in + XLR out
Dimensions (WxHxD)	496x376x396 mm
Net weight	24 kg
Shipping weight	27 kg
Mounting	Integrated flying hardware
Enclosure material	Plywood, wear-resistant paint
Speaker protection	Steel grill, acoustically transparent backing



FlySub 12

Powered line array subwoofer



FlySub 15

Powered line array subwoofer



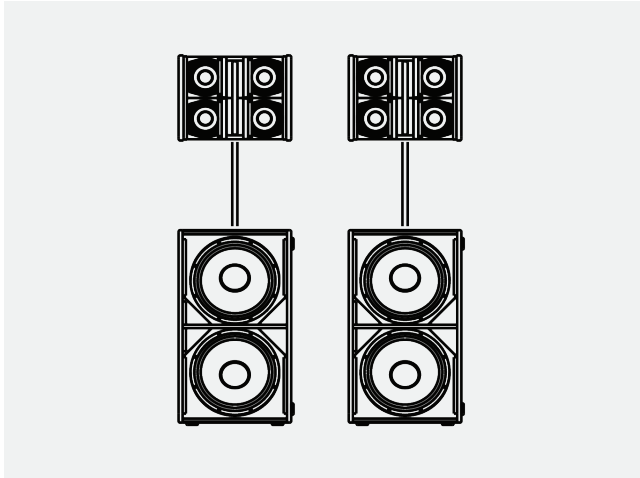
FlySub 18

Powered line array subwoofer

Frequency Response (-10dB)	60 - 220 Hz	45 - 200 Hz	27 - 150 Hz
Max SPL (calculated)	134,5 dB	137 dB	138 dB
LF Driver	2x 12", 2,5" VC	2x 15", 4" VC	2x 18", 4" VC
Amplifier power	1400 W	2000 W	2000 W
Amplifier	Class D Powersoft® Fan cooling, DSP	Class D Powersoft® Fan cooling, DSP	Class D Powersoft® Fan cooling, DSP
Input sensitivity	+4 dBV	+4 dBV	+4 dBV
Settings	4 switchable presets	4 switchable presets	4 switchable presets
Connector	XLR in + XLR out	XLR in + XLR out	XLR in + XLR out
Dimensions (WxHxD)	496x380x694 mm	496x850x578 mm	496x1136x676 mm
Net weight	36 kg	59 kg	79 kg
Shipping weight	39 kg	63 kg	84 kg
Mounting	Integrated flying hardware	M20 distance pole adapter Fly array U-bracket adapter	Two M20 distance pole adapters Fly array U-bracket adapter
Enclosure materials	Plywood, wear-resistant paint		
Speaker protection	Steel grill, acoustically transparent backing		

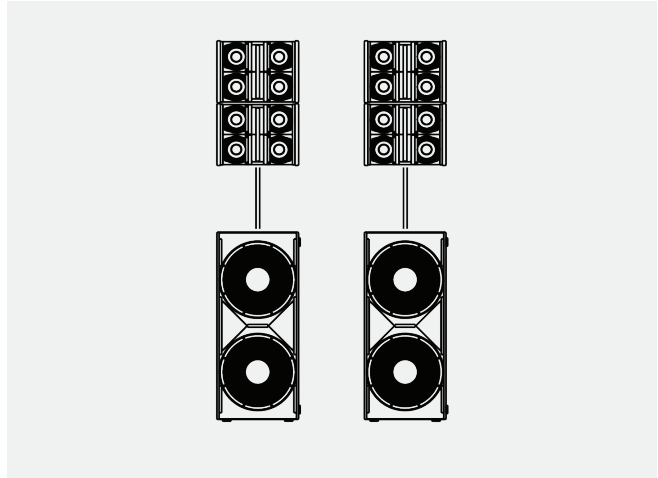
MOBILE configuration

Fly 6 - 2 pcs
Fly Sub 15 or Fly Sub 18 - 2 pcs
6 100 W nominal amplifier power
Small to mid-sized halls, pole mounted
or ground stacked
Up to 400 people



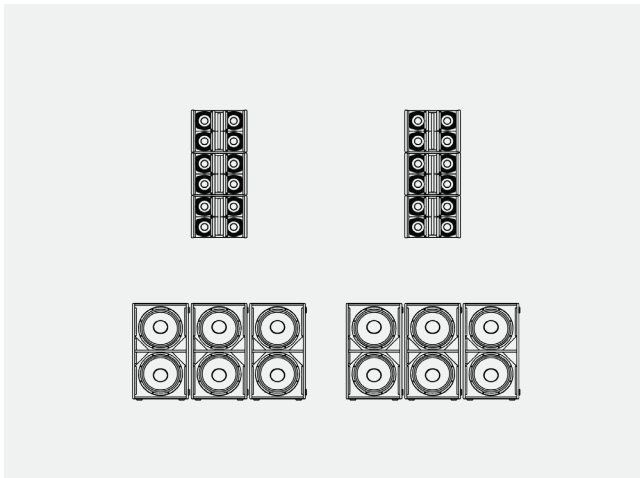
COMPACT configuration

Fly 6 - 4 pcs
Fly Sub 18 - 2 pcs
8 200 W nominal amplifier power
Compact set for mid-sized halls,
pole mounted or ground stacked
Up to 700 people



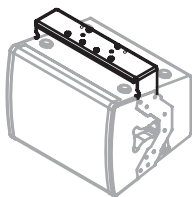
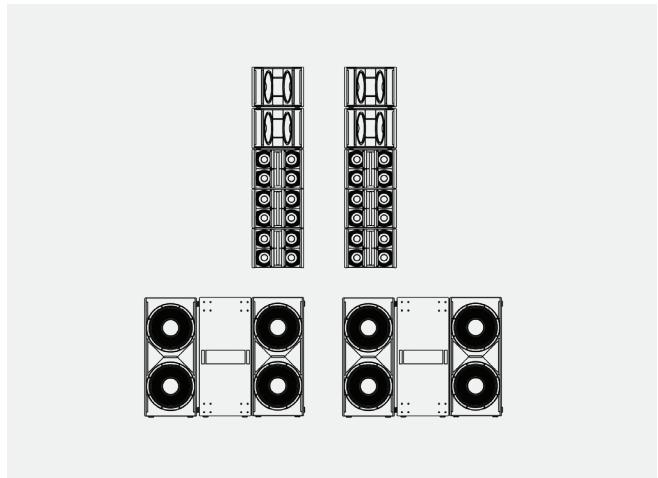
PERFORMANCE configuration

Fly 6 - 6 pcs
Fly Sub 15 or Fly Sub 18 - 6 pcs
18 300 W nominal amplifier power
Small concerts, clubs
Up to 1000 people

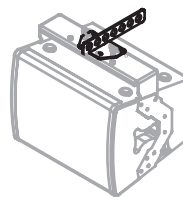


FULL configuration

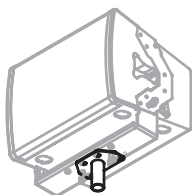
Fly 6 - 6 pcs
Fly Sub 12 - 4 pcs
Fly Sub 18 - 6 pcs
23 900 W nominal amplifier power
Concerts, clubs
Up to 1200 people



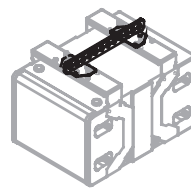
FL-01
Flying bracket



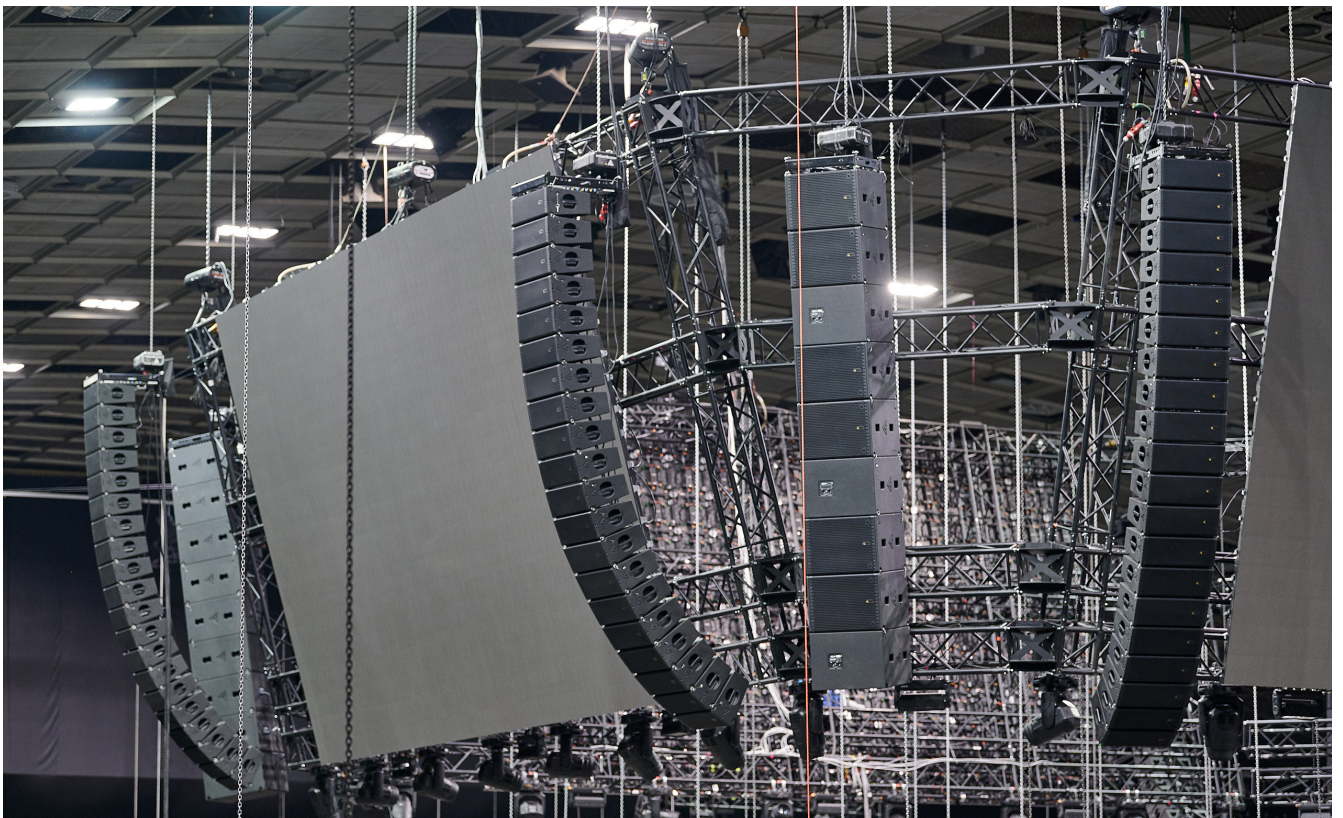
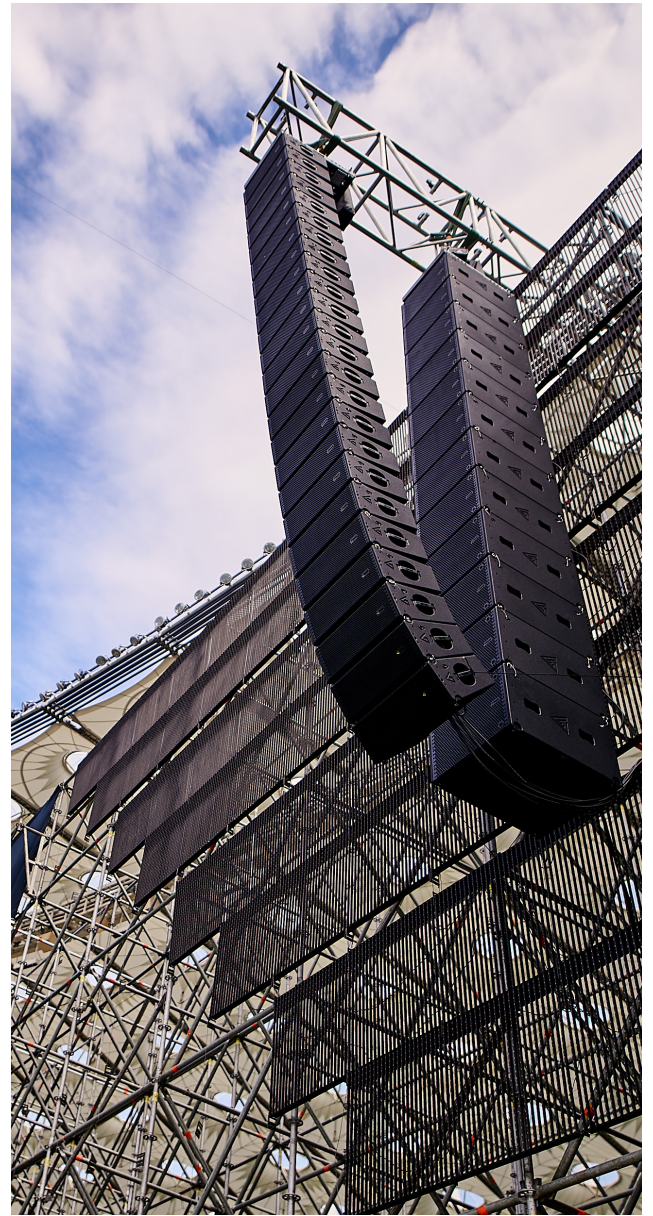
FL-02
Flying adapter



FL-03
Mount adapter



FL-04
Flying adapter





WASP LINE ARRAY

PASSIVE LINE-ARRAY MODULES | WASP-8 | WASP-8i

ARRAYABLE SUBWOOFERS | WASP-S15 | WASP-S18





WASP line array is the pinnacle of MAG Audio technology ready for next-generation precisely controlled sound spaces. Scalable philosophy behind WASP allows to use it in small installations as well as in large-scale touring and concerts.

Incorporating tailor-designed neodymium components, WASP is built with extra headroom for pristine clarity and powerful impact. Two 8-inch woofers and precision 1,4-inch driver feature improved voice coil cooling for prolonged operation at immense sound levels. Blending them with proprietary JD-lens coupling allows for precise aiming and beam compression control.

Available in both wide coverage and far throw configurations (easily convertible with interchangeable couplings), WASP line array covers distances up to 100m, previously possible only to much larger systems. Such versatility enables to scale WASP system everywhere from small events, bars and restaurants up to touring, arenas, and open-air concerts.

Aiding to WASP's operation scope are compact WASP-S12 and WASP-S18 subwoofers with ground stacked or flown installation, enormously optimizing rental stock and shipping process.

With complete AMPRACK amplification solution and GLL's for EASE Focus 3 calculation software, WASP line array is a must for touring and rental providers offering well-designed services for modern diverse and demanding applications.



	WASP-8 Passive line array module		WASP-8i Installation line array module	
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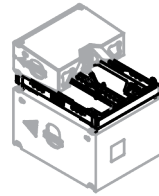
Frequency Response (-10dB)	70 - 20000 Hz		70 - 20000 Hz	
Max SPL ¹	137,8 dB (single cabinet)		137,8 dB (single cabinet)	
Sensitivity (1W/1m)	98 dB Low / 110 dB High		98 dB Low / 110 dB High	
LF Driver	2x 8", 2,5" VC		2x 8", 2,5" VC	
HF Driver	1,4", 2,8" VC		1,4", 2,8" VC	
Horizontal coverage	WASP-8-T110	WASP-8-T070	WASP-8i-T110	WASP-8i-T070
	100°	70°	100°	70°
Vertical coverage	Depends on cabinet count		Depends on cabinet count	
Impedance	16 Ohm Low / 16 Ohm High		16 Ohm Low / 16 Ohm High	
Nominal power ²	600 W Low / 100 W High		600 W Low / 100 W High	
Connectors	2x Neutrik speakon		Barrier strip / Gland nut cover plate	
Dimensions (WxHxD)	608x243x422 mm		608x244x364 mm	
Net weight	22 kg		20 kg	
Shipping weight	25 kg		23 kg	
Mounting	Integrated mounting hardware		Integrated mounting hardware	
Enclosure material	Plywood, wear-resistant paint		Plywood, wear-resistant paint	
Speaker protection	Steel grill, acoustically transparent backing		Steel grill, acoustically transparent backing	

¹ - pink noise, filtered according to AES 2 - 2012, crest factor 12 dB
² - based on transducer power measured according to AES 2 - 2012



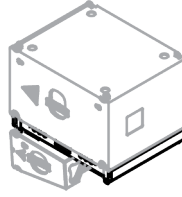
Bump-WASP-L

Light frame for
WASP-8, WASP-S15,
WASP-S18



Bump-WASP-H

Heavy frame for
WASP-8, WASP-S12,
WASP-S18



Bump-WASP-Ext15

Ground stack tilt angle
extender for
Bump-WASP-L

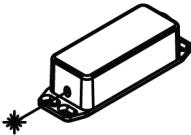


WASP-FC3

Flying case for 3 pcs
of WASP-8

WASP-FC4

Flying case for 4 pcs
of WASP-8



Laser Angle

Laser angle pointer
for Bump-WASP-L



WSC-34

Transportation cart
for 3 or 4 pcs of
WASP-8



WASP-S15

Passive arrayable subwoofer



WASP-S18

Passive arrayable subwoofer

35 - 300 Hz	32 - 200 Hz	Frequency Response (-10dB)
137 dB	141,1 dB	Max SPL ¹
95 dB	98 dB	Sensitivity (1W/1m)
15", 4" VC	18", 4" VC	LF Driver
8 Ohm	8 Ohm	Impedance
1000 W	1300 W	Nominal power ²
4x Neutrik Speakon	4x Neutrik Speakon	Connectors
608x456x765	608x530x765 mm	Dimensions (W×H×D)
48,4 kg	47,8 kg	Net weight
51,4 kg	50,8 kg	Shipping weight
Intergrated flying hardware	Intergrated flying hardware, M20 distance pole adapter	Mounting
Plywood, wear-resistant paint		Enclosure material
Steel grill, acoustically transparent backing		Speaker protection

¹ - pink noise, filtered according to AES 2 - 2012, crest factor 12 dB

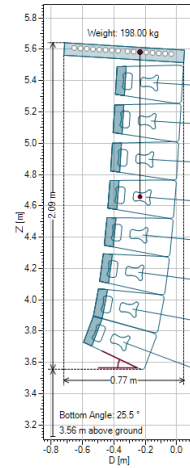
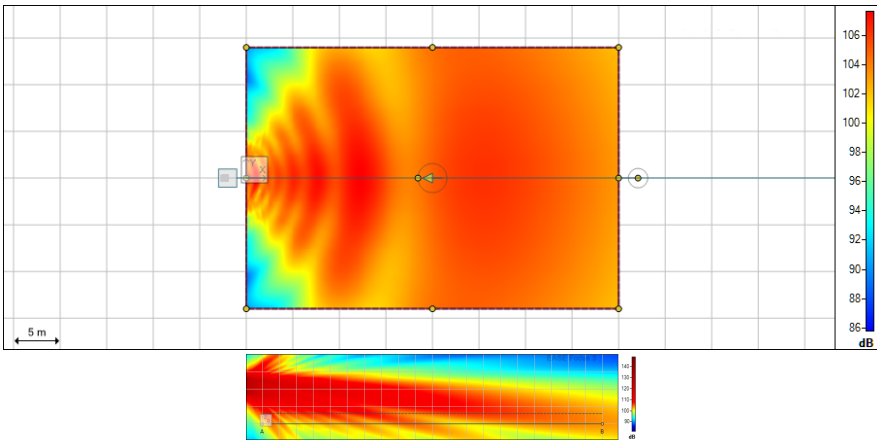
² - based on transducer power measured according to AES 2 - 2012



Great degree of scalability allow WASP to be used for small installations as well as for large concerts, tours, stadiums and sports arenas.

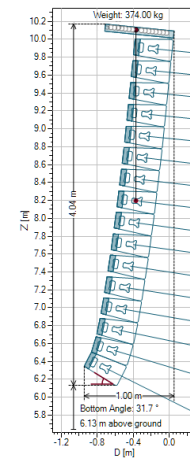
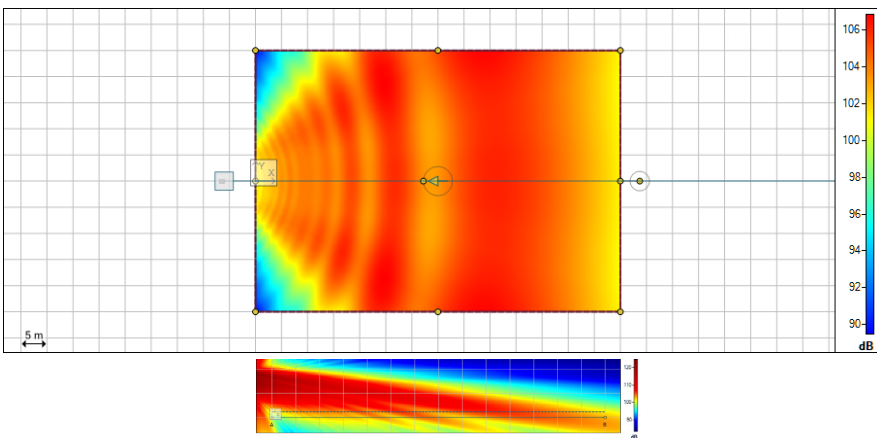
8 pcs

40 meters coverage



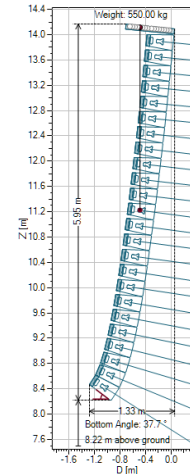
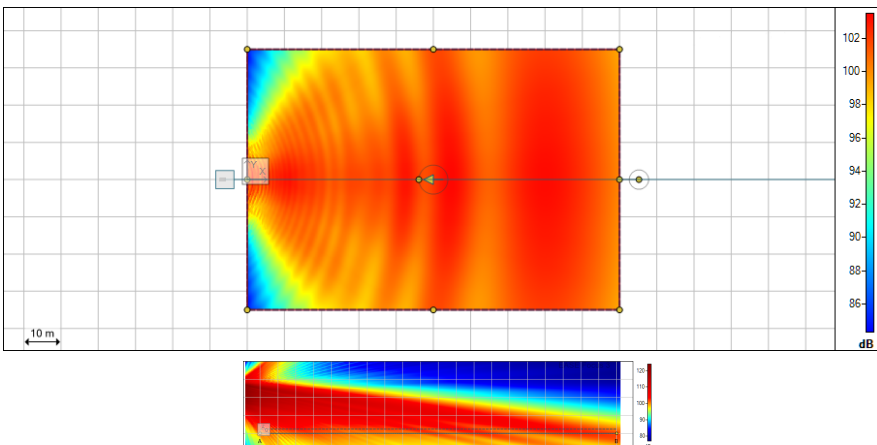
16 pcs

70 meters coverage



24 pcs

100 meters coverage

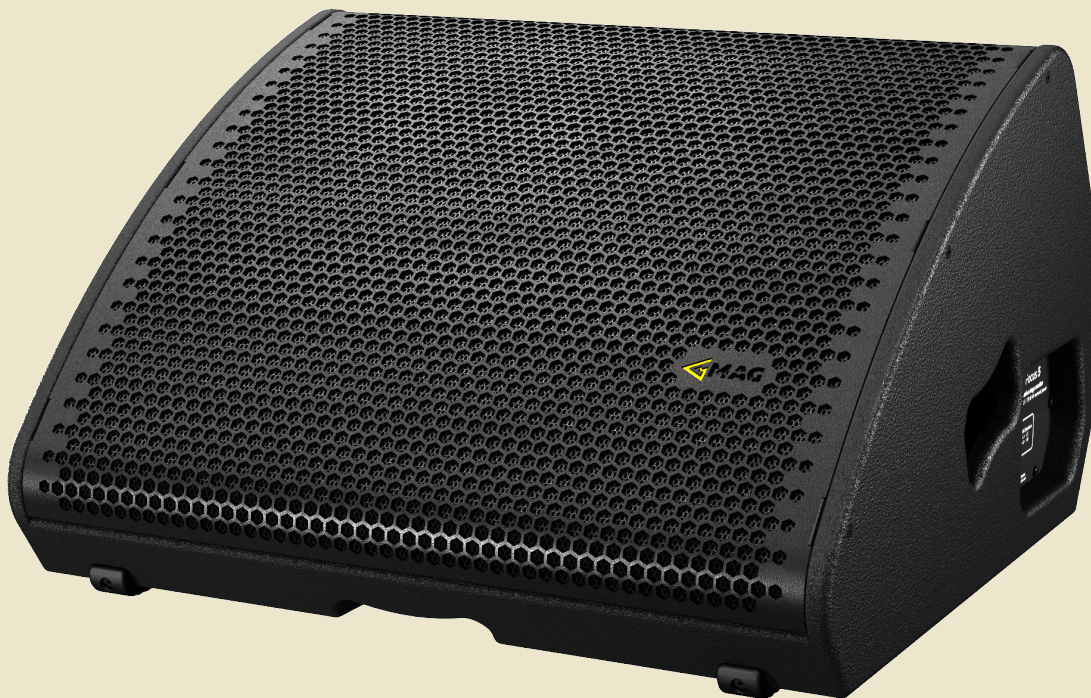




FOCUS SERIES

STAGE MONITORS | FOCUS 5 | FOCUS 5A

MONITOR SUBWOOFERS | FOCUS SUB | FOCUS SUBA





Focus stage monitors feature coaxial low-profile design that providing perfect phase coherence and clear focused sound picture in front of a performer.

The series includes top-class monitors Focus 5, Focus 5A as well as Focus Sub and Focus SubA subwoofers. Almost reference sound quality of the monitors even in passive crossover mode allows to use them as all-purpose systems, with a pole mount adapter conveniently provided for versatility of installation.

Special 15" Focus Sub boosts versatility of Focus monitors even more: it creates powerful monitor set for a drummer together with Focus 15, or can be used for DJ monitoring and even FOH using distance pole adapters. Besides pristine sound quality and reproduction purity, we have paid much attention to appearance and ease of use. Modern look, rigid grill backed with acoustic foam, light weight and stable design make Focus monitors comfortable and practical in small installations as well as in big concert tours.

Massive rubber feet were introduced to reduce the slipping around the floor, while mechanical multi-position raisers allow to change the angle for perfect aiming.

Neutrik speakON connectors are placed on both sides of cabinet, making it convenient to create monitor chains. Bi-amp connection allows for precise performance control when used with AmpRack ready touring solutions featuring simple to used presets.



Focus 5	Focus Sub
Passive stage monitor	Passive monitor subwoofer

48 - 20000 Hz	38 - 200 Hz	Frequency Response (-10dB)
137 dB	139 dB	Max SPL ¹
98 dB LF / 110 dB HF	98 dB	Sensitivity (1W/1m)
15" coaxial, 3" / 2,8" VC	15", 4" VC	Transducer
40° x 80°		Nominal Coverage Angle (H x V)
8 Ohm LF / 8 Ohm HF	8 Ohm	Impedance
500 W LF / 100 W HF	1000 W	Nominal power ²
2x Neutrik Speakon	2x Neutrik Speakon	Connectors
590x353x536 mm	590x441x695 mm	Dimensions (WxHxD)
21,4 kg	35 kg	Net weight
22,4 kg	37 kg	Shipping weight
35mm distance pole adapter, angle raisers, feet rubber	M20 distance pole adapter	Mounting
Plywood, wear-resistant paint	Plywood, wear-resistant paint	Enclosure materials
Steel grill, acoustically transparent backing	Steel grill, acoustically transparent backing	Speaker protection

¹ - pink noise, filtered according to AES 2 - 2012, crest factor 12 dB

² - based on transducer power measured according to AES 2 - 2012





AMPRACK

AMPLIFIER RACKS | AmpRack 1X8 | AmpRack 2X8
| AmpRack 2X604

| WASP Rack 6 | WASP Rack 8





Line of touring-ready rack solutions, fitted with presets for various MAG Audio systems, and designed to provide a seamless integration and convenience.

Based on premium amplification from Powersoft®, AmpRack series offers great level of usability in terms of accepted input power ranges, connections, protection, and remote system control with dedicated software suite.

Customizable signal and distribution device may be built according to the user's specifications, and offers wide selection of available inputs, digital signal and control connection ports, power routing, and additional functionality.

Assembled in touring-grade rack-box with heavy duty castor wheels and front and back covers, AmpRack series is ready to hit the road along with different sets of MAG Audio systems.



	AmpRack 1X8 Touring Rack	AmpRack 2X8 Touring Rack	AmpRack 2X604 Touring Rack
Amplifiers	Powersoft® X8 - 1 pcs	Powersoft® X8 - 2 pcs	Powersoft® T604 - 2 pcs
Channel count	8	16	8
Power capacity per channel	3000 W (4 Ohm) 5200 W (2 Ohm)	3000 W (4 Ohm) 5200 W (2 Ohm)	1200 W (4 Ohm) 1500 W (2 Ohm)
Mains Connections	CEE 32 3P+N+E (32A) input CEE 32 3P+N+E (32A) link	CEE 32 3P+N+E (32A) input	CEE 32 3P+N+E (32A) input CEE 32 3P+N+E (32A) link
Analog signal connections	4x XLR input 4x XLR link	4x XLR input 4x XLR link	4x XLR input 4x XLR link
AES/EBU XLR connections	2x XLR input 2x XLR link	2x XLR input 2x XLR link	2x XLR input 2x XLR link
Ethernet / AES/EBU DANTE	2x EtherCon Optional	2x EtherCon Optional	2x EtherCon Yes
Speaker Output	8x Speakon 4 pin 2x Speakon 8 pin	16x Speakon 4 pin 4x Speakon 8 pin	8x Speakon 4 pin 2x Speakon 8 pin
Case	Heavy duty flying case with front and rear covers, shock mount	Heavy duty flying case with front and rear covers, shock mount	Heavy duty flying case with front and rear covers, shock mount
Transportation	100mm castor auto-wheels Handles for carrying	100mm castor auto-wheels Handles for carrying	100mm castor auto-wheels Handles for carrying
Standard unit height	8U	8U	8U
Dimensions (W×H×D), mm	535x561x727 mm	535x561x727 mm	535x561x727 mm
Net weight, kg	46,6 kg	60,6 kg	37,6 kg
Shipping weight, kg	47,6 kg	61,6 kg	38,6 kg



WASP Rack 6

Flyable touring rack for WASP



WASP Rack 8

Flyable touring rack for WASP

Amplifiers	Powersoft® X8 - 1 pcs	Powersoft® X8 - 2 pcs
Channel count	8	16
Power capacity per channel	3000 W (4 Ohm) 5200 W (2 Ohm)	3000 W (4 Ohm) 5200 W (2 Ohm)
Mains Connections	CEE 32 3P+N+E (32A) input CEE 32 3P+N+E (32A) link	CEE 32 3P+N+E (32A) input
Analog signal connections	4x XLR input 4x XLR link	4x XLR input 4x XLR link
AES/EBU XLR connections	2x XLR input 2x XLR link	2x XLR input 2x XLR link
Ethernet / AES/EBU DANTE	2x EtherCon Optional	2x EtherCon Optional
Speaker Output	8x Speakon 4 pin 2x Speakon 8 pin	16x Speakon 4 pin 4x Speakon 8 pin
Case	Heavy duty plywood case with , shock mount	Heavy duty flying case with front and rear covers, shock mount
Transportation	100mm castor auto-wheels Handles for carrying	100mm castor auto-wheels Handles for carrying
Standard unit height	6U	8U
Dimensions (W×H×D), mm	535x561x727 mm	535x561x727 mm
Net weight, kg	46,6 kg	60,6 kg
Shipping weight, kg	47,6 kg	61,6 kg





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