MAG
AUDIO

2020

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 frees 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.

Z
series

Z series was created to deliver the power and professional sound quality into various fixed and mobile installations while keeping budget considerations in check.

Versatile and reliable speakers with sharp looks, passive and powered Z series are available for FOH applications as well as for fixed installation and stage monitoring purposes.

Featuring low-wear cabinet coating, high-quality components and thoroughly worked out sonic performance, Z series' speakers compete with speakers way beyond their price range.

To achieve such combination of high performance, optimal sound quality and strict budget constraints, Z series systems were carefully optimized to remain only with performance-critical components and features: low-resonant birch plywood cabinets, reliable Neutrik speakON connectors and MAG Audio transducers known for long-term reliability.

Powered Z series' speakers offer new level of usability and convenience with built-in presets and remote system control via dedicated software suite and Bluetooth connection.

With comprehensive range of mounting and transportation accessories, Z series is all-purpose solution to various sound reinforcement projects of mobile professionals and small to mid- sized venues.

Z 320	Z 350	Z 355	Z 318	
Passive full-range speaker	Passive full-range speaker	Passive full-range speaker	Passive subwoofer	
50 - 20000 Hz	45 - 20000 Hz	40 - 20000 Hz	33 - 170 Hz	Frequency Response (–10dB)
130,5 dB	132,5 dB	138 dB	132,5 dB	Max SPL [1]
96 dB	98 dB	101 dB	97 dB	Sensitivity (1W/1m)
12", 2,5" VC	15", 2,5" VC	2x15", 2,5" VC	18", 3" VC	LF Driver
1", 1,75" VC	1", 1,75" VC	1", 1,75" VC		HF Driver
100 x 50 deg	100 x 50 deg	100 x 50 deg		Nominal Coverage Angle (H x V)
4 Ohm	4 Ohm	4 Ohm	4 Ohm	Impedance
350 W	350 W	650 W	450 W	Nominal power [2]
2x NeutrikSpeakon	2x NeutrikSpeakon	2x NeutrikSpeakon	2x NeutrikSpeakon	Connectors
349x567x355 mm	426x704x399 mm	425x1100x420 mm	552x663x627 mm	Dimensions (W×H×D), mm
16,6 kg	21,2 kg	39 kg	41,1 kg	Net weight, kg
19,1 kg	23,7 kg	42 kg	44,1 kg	Shipping weight, kg
10x M10 mounting points, 35mm double pole socket	10x M10 mounting points, 35mm double pole socket	10x M10 mounting points	M20 distance pole adapter	Mounting
Plywood, wear-resistant paint				Enclosure material
Steel grill, acoustically transparent backing				Speaker protection

Z 320A	Z 350A	Z 355A	Z 318A	
Powered full-range speaker	Powered full-range speaker	Powered full-range speaker	Powered subwoofer	
50 - 20000 Hz	45 - 20000 Hz	40 - 20000 Hz	33 - 170 Hz	Frequency Response (–10dB)
131 dB	133 dB	137 dB	130 dB	Max SPL (calculated)
12", 2,5" VC	15", 2,5" VC	2x15", 2,5" VC	18", 3" VC	LF Driver
1", 1,75" VC	1", 1,75" VC	1", 1,75" VC		HF Driver
100 x 50 deg	100 x 50 deg	100 x 50 deg		Nominal Coverage Angle (H x V)
500+150 W	500+150 W	800+400 W	650 W	Amplifier power
Class D, fan cooling, DSP with phase-linear FIR	Class D, fan cooling, DSP with phase-linear FIR	Class D, fan cooling, DSP with phase-linear FIR	Class D, fan cooling, DSP	Amplifier
0 dBV (1 V RMS)	0 dBV (1 V RMS)	0 dBV (1 V RMS)	0 dBV (1 V RMS)	Input sensivity
XLR input, XLR output, Powercon mains	XLR input, XLR output, Powercon mains	XLR input, XLR output, Powercon mains	XLR input, XLR output, Powercon mains	Connectors
349x567x355 mm	426x704x399 mm	425x1100x420 mm	552x663x627 mm	Dimensions (W×H×D)
17,8 kg	22,4 kg	43 kg	42,3 kg	Net weight
20,3 kg	24,9 kg	46 kg	45,3 kg	Shipping weight
10x M10 mounting points, 35mm double pole socket	10x M10 mounting points, 35mm double pole socket	10x M10 mounting points	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 9 dB
[2] – based on transducer power measured according to AES 2 – 2012

Z control is the dedicated software suite designed to unleash the full potential of Z series speakers. Used in conjuction with Bluetooth control interface available in powered speakers, Z control is an easy tool to set up and monitor performance of your Z series installation.

Main screen allows for fast detection of near-by Z series units, remote volume control, preset switching, and level monitoring, along with information, including processor temperature and actual mains voltage.

Software suite controls built-in user 4-band parametric equalizer to adjust to the properties of the venue. Options include peaking, low-shelf and high-shelf filters with adjustable bandwidth and up to ±15 dB of gain, and polarity switch.

Additionaly, Z control offers several utilitary functions: Automatic OFF switch for power saving, cooling fan mode to reduce background noise when there is no signal, and Noise function to locate Z series units.
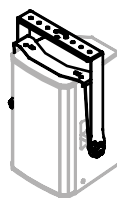
Firmware update function helps to keep systems up to date as new functions and improvements are constantly added.

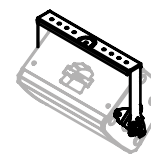Z control is a free suite availble for download from MAG Audio website.
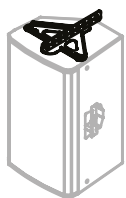
AZ320
Flying adapter for
Z 320, Z 320A

AZ350
Flying adapter for
Z 350, Z 350A

LZ320
Double bracket for
for Z 320, Z 320A

LZ350
Double bracket for for
Z 350, Z 350A

HZ320
Horizontal bracket
for Z 320, Z 320A

HZ350
Horizontal bracket
for Z 350, Z 350A

NX
series

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 is a must.

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

	NX 10 Passive full-range speaker NX 10i Installation full-range speaker NX 10 IP Weather-resistant full-range speaker			NX 12 Passive full-range speaker NX 12i Installation full-range speaker NX 12 IP Weather-resistant full-range speaker			NX 15 Passive full-range speaker NX 15i Installation 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]	133 dB			134 dB			134,5 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	50 - 19000 Hz	45 - 19000 Hz
Max SPL (calculated)	134 dB	135 dB	135,5 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
Amplifier power	900+500 W	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)	0 dBV (1 V RMS)
Connector	XLR input, XLR output, Powercon mains		
Dimensions (W×H×D)	319x600x336 mm	379x650x367	436x740x423 mm
Weight (Net / Shipping)	22 kg / 25 kg	25 kg / 28 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 9 dB
[2] - based on transducer power measured according to AES 2 - 2012
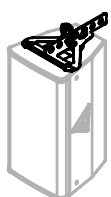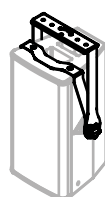
ANX12
Flying adapter for
NX 10, NX 10A, NX 10i, NX 10 IP,
NX 12, NX 12A, NX 12i, NX 12 IP
ANX15
Flying adapter for NX 15, NX 15A,
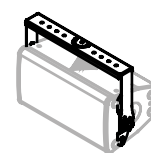NX 15i, NX 15 IP

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

Trully 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.

Intergrating 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 8 – 114	STING 8 – 74
	Versatile point source speaker	Versatile point source speaker
	STING 8 IP – 114	STING 8 IP – 74
	Weather-resistant point source speaker	Weather-resistant point source speaker

|		
Frequency Response (–10dB)	65 - 19000 Hz	
Max SPL [1]	135 dB	
Sensitivity (1W/1m)	98 dB	
LF Driver	2x 8", 2,5" VC	
HF Driver	1,5", 2,8" VC	
Nominal Coverage Angle	110° x 40° or 40° x 110° rotatable	70° x 40° or 70° x 40° rotatable
Impedance	8 Ohm	
Nominal power [2]	600 W	
Connector	2x Neutrik Speakon, barrier strip	
Dimensions (W×H×D)	608x267x350 mm	
Net weight	19,8 kg	
Shipping weight	22,8 kg	
Mounting	2x VESA 100x100, 4x M8	
IP54 weather-protection	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 9 dB
[2] – based on transducer power measured according to AES 2 – 2012

ST8-PM
Pole mount adapter for STING 8

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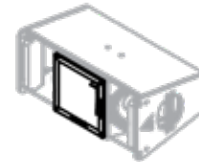
ST8-H114
110° x 40° replacement horn for STING 8

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

SUBWOOFERS

MAG Audio SUBWOOFER line consists of versatile low–frequency reinforcement compatible with several full–range series. The line offers convenience in both 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 12 IP / Weather-resistant subwoofer	Sub 15 / Passive subwoofer / Sub 15 IP / Weather-resistant subwoofer	Sub 18 / Passive subwoofer / Sub 18 IP / Weather-resistant subwoofer	Sub 28 / Passive 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]	130,5 dB	136 dB	138 dB	143 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 NeutrikSpeakon (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
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 sensivity	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			
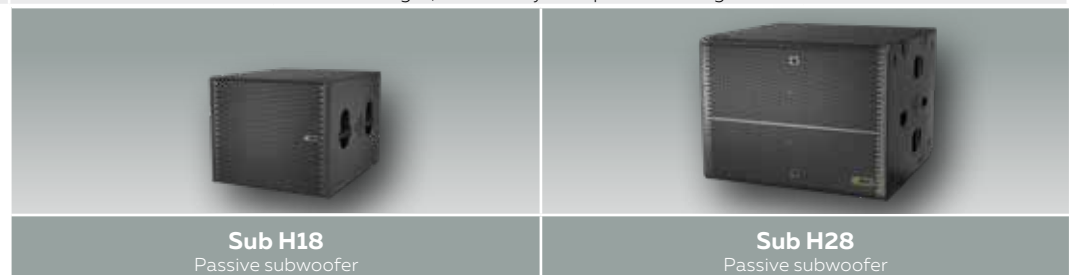
	Sub H18 / Passive subwoofer	Sub H28 / Passive subwoofer
Frequency Response (–10dB)	32 – 200 Hz	28 – 120 Hz
Max SPL	138 dB	149,5 dB
Sensitivity (1W/1m)	98 dB	106 dB
LF Driver	18", 4" VC	2x 18", 4,5" VC
Impedance	8 Ohm	4 Ohm
Nominal power	1300 W	2900 W
Connectors	2x Neutrik Speakon	4x Neutrik Speakon
Dimensions (W×H×D)	622x516x765 mm	700x980x938 mm
Weight (Net/Shipping)	45,8 kg / 48,8 kg	115 kg / 120 kg
Mounting	M20 distance pole adapter	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 9 dB
[2] – based on transducer power measured according to AES 2 – 2012

AIR
series

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 lowest possible 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 cabinets are capable to deliver 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 – 62 IP** Weather-resistant speaker	**AIR – 82** Installation speaker **AIR – 82 IP** Weather-resistant speaker	**AIR – 122** Installation speaker **AIR – 122 IP** Weather-resistant speaker	**AIR – 152** Installation speaker **AIR – 152 IP** Weather-resistant speaker	**AIR – 210** Installation speaker **AIR – 210 IP** Weather-resistant speaker
Frequency Response (-10dB)	90 - 18000 Hz	80 - 18000 Hz	55 - 18000 Hz	50 - 18000 Hz	55 - 18000 Hz
Max SPL [1]	124 dB	127 dB	132 dB	134 dB	136,5 dB
Sensitivity (1W/1m)	93 dB	94 dB	96 dB	97 dB	98 dB
LF Driver	6", 1,75" VC	8" coaxial	12" coaxial	15" coaxial	2x 10", 3" VC
HF Driver	1", 1" VC				2", 3" VC
Nominal Coverage (H x V)	80° x 60°	90° x 90°	80° x 80°	80° x 80°	85° x 55°
Impedance	8 / 16 Ohm	4 / 8 / 16 Ohm	4 / 8 Ohm	4 / 8 Ohm	4 / 8 Ohm
Nominal power [2]	150 W	250 W	500 W	600 W	850 W
Connectors	Barrier strip	Barrier strip	Barrier strip	Barrier strip	Barrier strip
Dimensions (W×H×D)	270x356x233 mm	354x383x254 mm	470x554x344 mm	530x619x348 mm	750x300x353 mm
Net weight	6 kg	9,5 kg	24 kg	25,5 kg	35 kg
Shipping weight	7 kg	10,5 kg	27 kg	27,5 kg	37 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	8x M10 Mounting points
IP 54 weather-protection	AIR-62 IP only	AIR-82 IP only	AIR-122 IP only	AIR-152 IP only	AIR-210 IP only
Enclosure material	Plywood, wear-resistant paint				
Speaker protection	Steel grill, acoustically transparent backing				
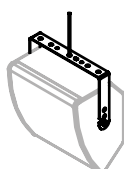
LAIR-62
Mounting bracket for AIR-62, AIR-62 IP

LAIR-82
Mounting bracket for AIR-82, AIR-82 IP
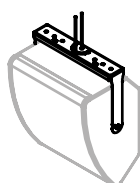
LAIR-122
Mounting bracket for AIR-122, AIR-122 IP

LAIR-152
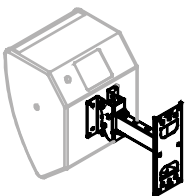Mounting bracket for AIR-152, AIR-152 IP
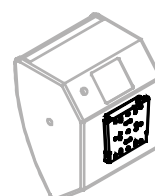
WA-18
Mounting plaque for AIR-62, AIR-62 IP, AIR-82, AIR-82 IP, AIR-122, AIR-122 IP, AIR-152, AIR-152 IP

| AIR-S12 Installation subwoofer **AIR-S12 IP** Weather-resistant installation subwoofer	AIR-S15 Installation subwoofer **AIR-S15 IP** Weather-resistant installation subwoofer	AIR-S18 Installation subwoofer **AIR-S18 IP** Weather-resistant installation subwoofer	
45 – 300 Hz	37 – 300 Hz	33 – 300 Hz	Frequency Response (–10dB)
130,5 dB	136 dB	138 dB	Max SPL
95 dB	97 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	1000 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 9 dB
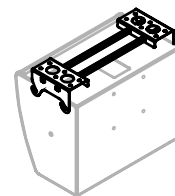[2] – based on transducer power measured according to AES 2 – 2012

WA-25
Wall mount adapter
for AIR-62, AIR-62 IP,
AIR-82, AIR-82 IP,
AIR-122, AIR-122 IP,
AIR-152, AIR-152 IP
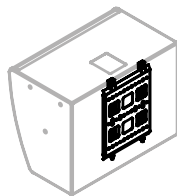
LLS
Wall mounting adapter
for AIR-S12, AIR-S12 IP,
AIR-S15, AIR-S15 IP,
AIR-S18, AIR-S18 IP

CL-S12
Ceiling adapter for
AIR-S12, AIR-S12 IP
CL-S15
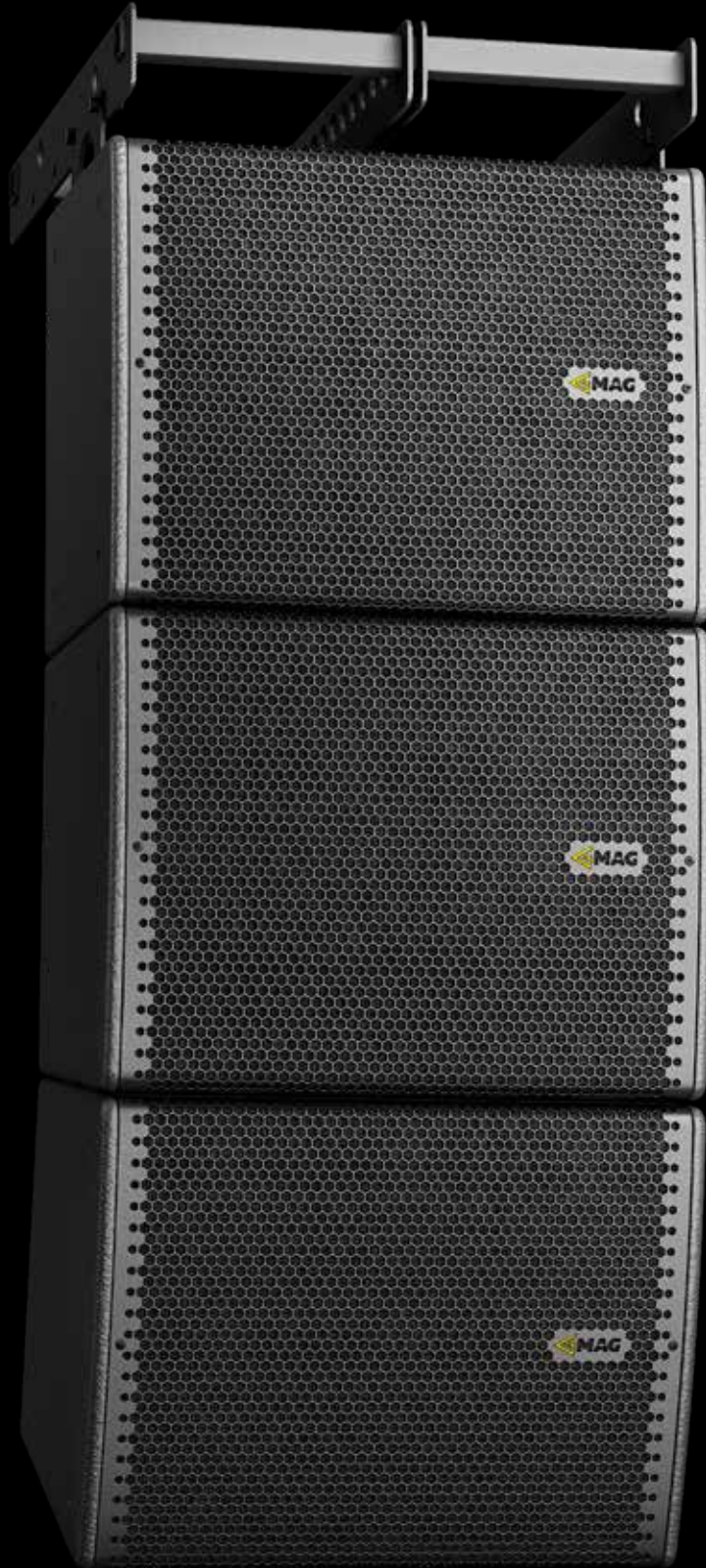Ceiling adapter for
AIR-S15, AIR-S15 IP
CL-S18
Ceiling adapter for
AIR-S18, AIR-S18 IP

CLUSTER
series

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 Q IP Installation line array module	Cluster Q4 Installation line array module Cluster Q4 IP Installation line array module	Cluster Q8 Installation line array module Cluster Q8 IP Installation line array module	Cluster S15 Installation subwoofer Cluster S15 IP Installation subwoofer
Frequency response (–10dB)		100 - 19000 Hz		37 - 300 Hz
Max SPL [1]		138 dB		136 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 9 dB
[2] – based on transducer power measured according to AES 2 – 2012
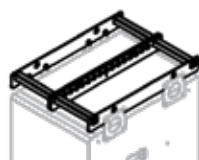
CLUSTER frame
Flying frame for Cluster Q, Q4, Q8, S15
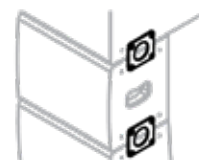
CLUSTER connector
Connector for Cluster Q, Q4, Q8, S15

FIELD
SERIES

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 positioned 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 appliciations. 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]	141 dB					141 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 9 dB
[2] – based on transducer power measured according to AES 2 - 2012
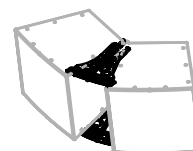
FD-C
Connector for
FD-52, FD-S15

VerA M
POWERED SPEAKER SET

Following the success of plug & play powered speakers 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
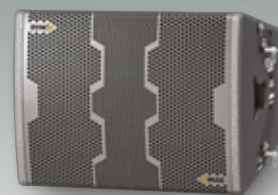Fly 6
Fly Sub 12
Fly Sub 15
Fly Sub 18
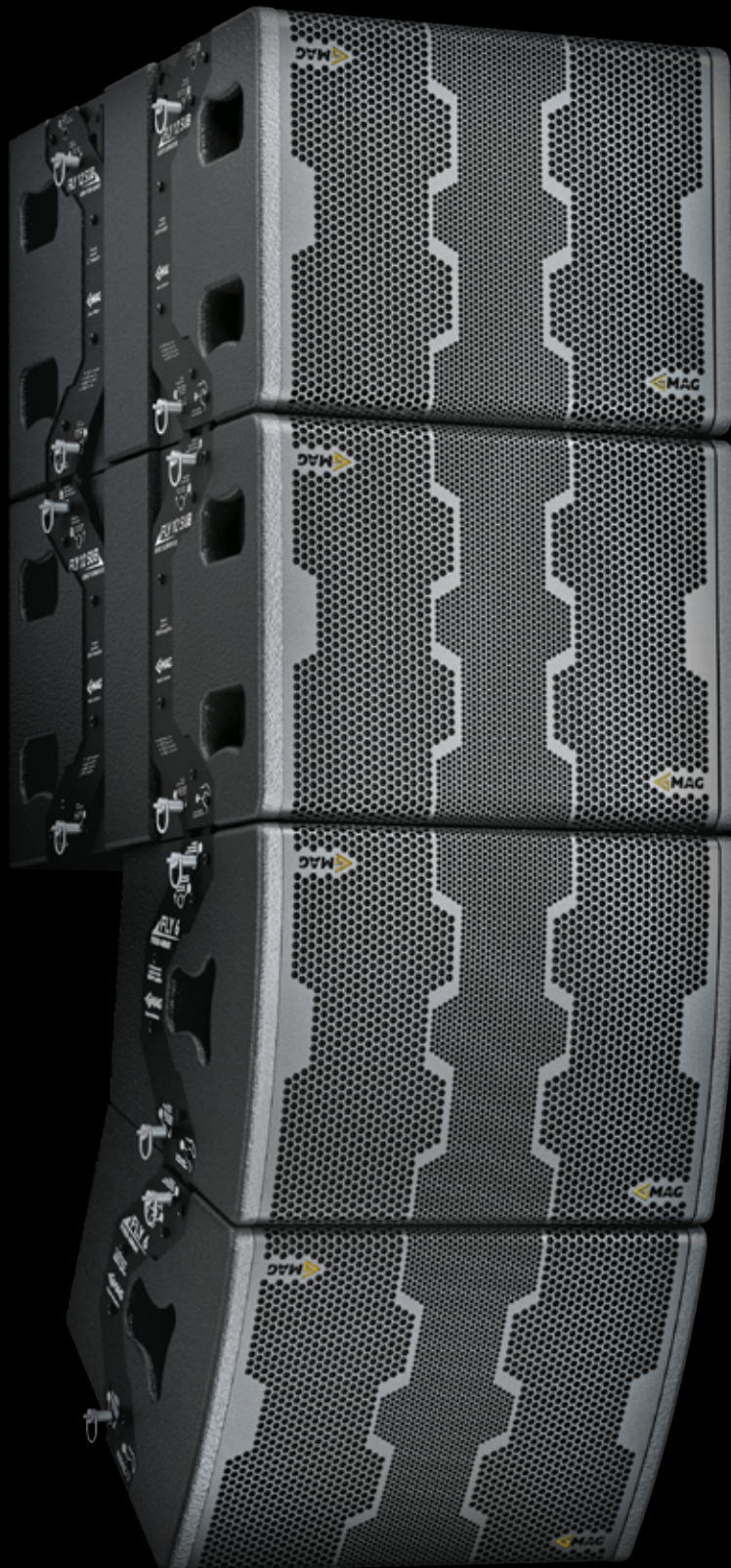
Fly 6 is a compact powered line array specially designed for use in small concert halls, theaters and clubs, where the features of line array are needed.

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 × 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 (W×H×D)	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

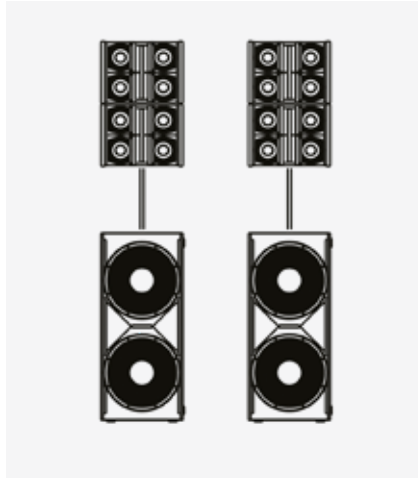| | FlySub 12 | FlySub 15 | FlySub 18 |
	Powered line array subwoofer	Powered line array subwoofer	Powered line array subwoofer
Frequency Response (–10dB)	60 – 220 Hz	45 – 200 Hz	27 – 150 Hz
Max SPL (calculated)	134,5 dB	137 dB	138 dB
LF Driver	2x 12", 2,5" VC	2x 15", 4" VC	2x 18", 4" VC
Amplifier power	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 (W×H×D)	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
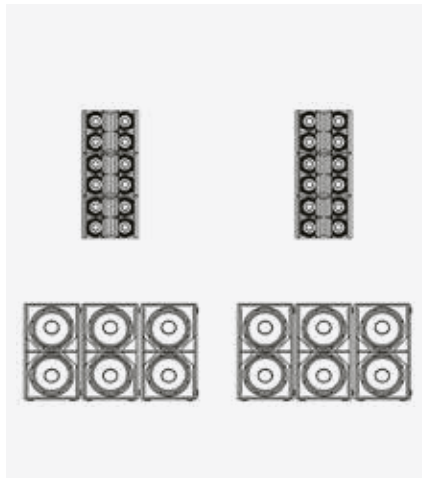or ground stacked
Up to 400 people

COMPACT configuration

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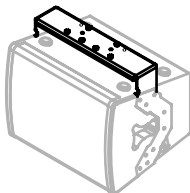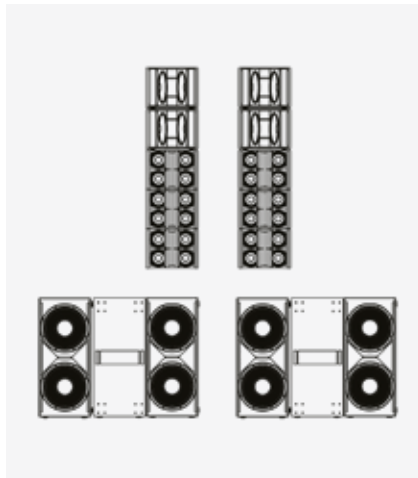pole mounted or ground stacked
Up to 700 people

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
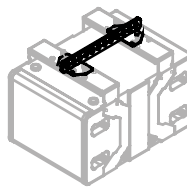23 900 W nominal amplifier power
Concerts, clubs
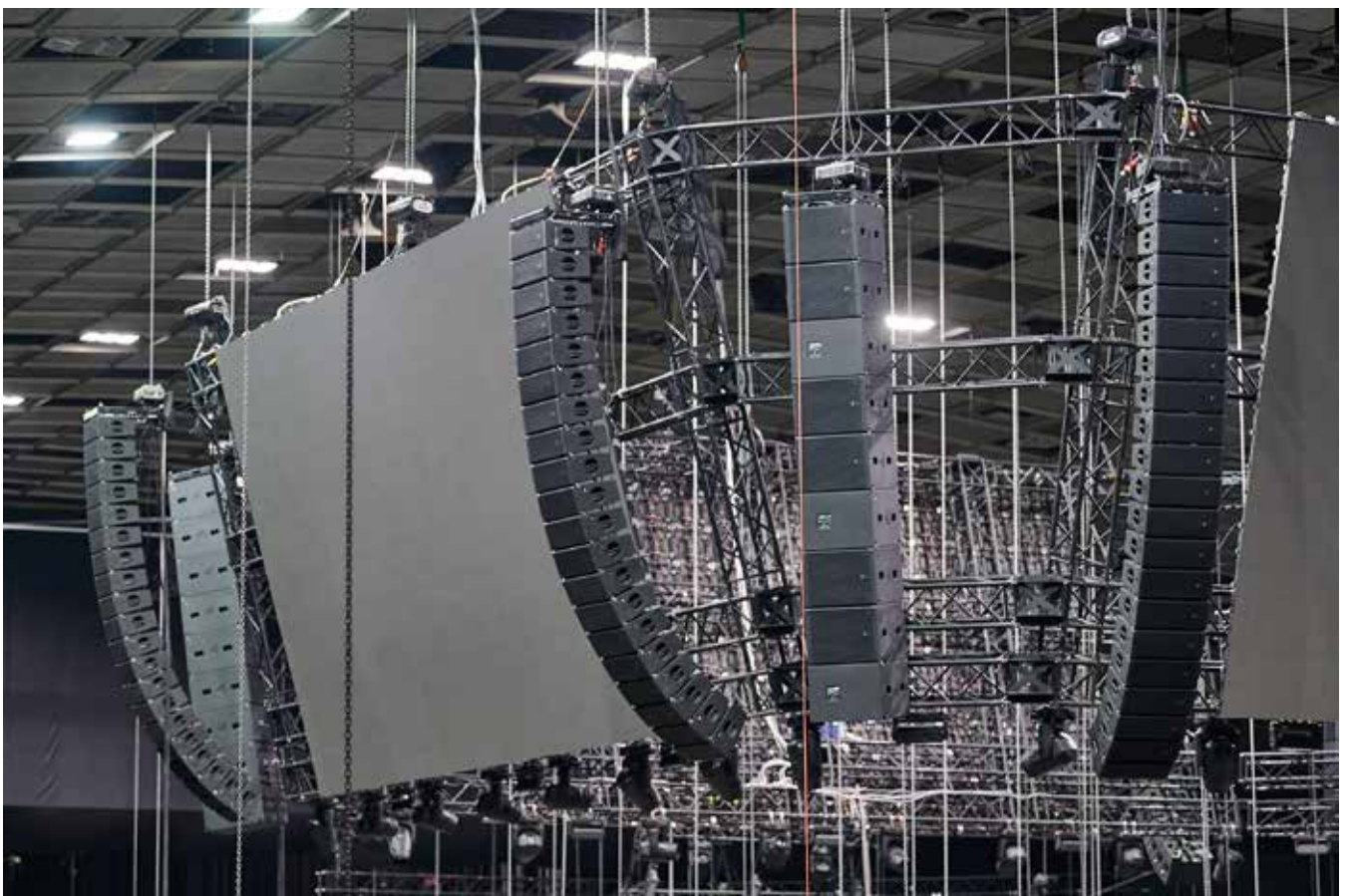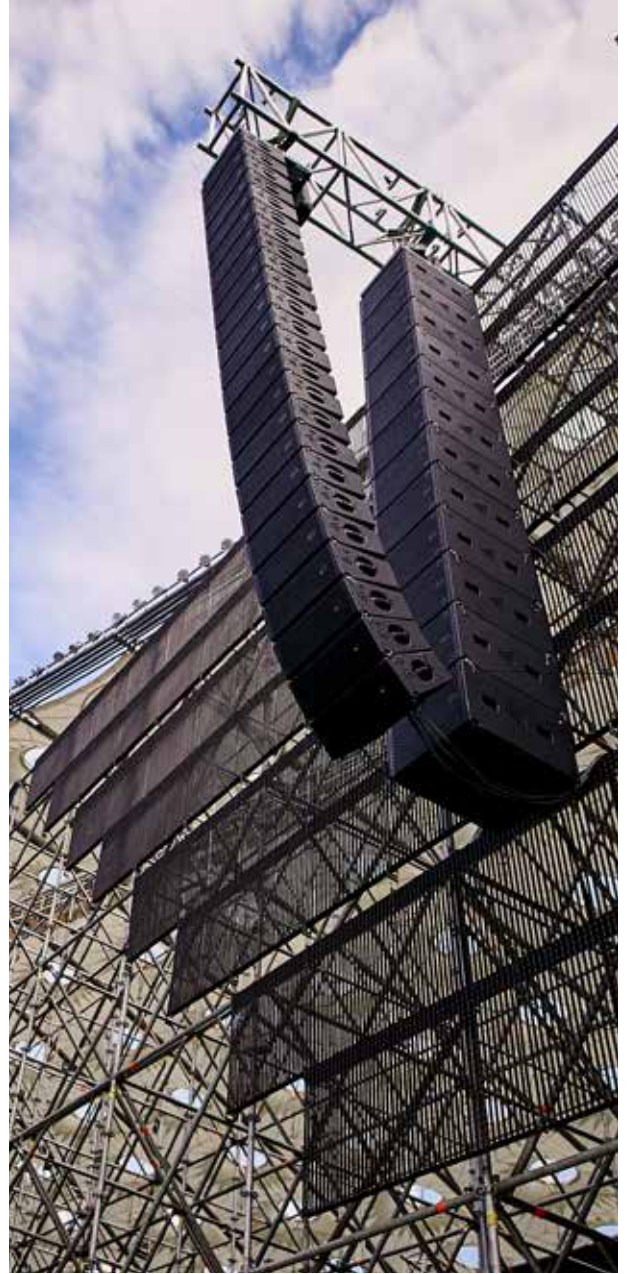Up to 1200 people

FL-01
Flying bracket
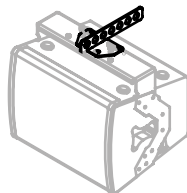
FL-02
Flying adapter
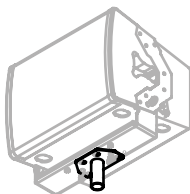
FL-03
Mount adapter

FL-04
Flying adapter

WASP
Line Array

**Passive
line array modules**

WASP-8

WASP-8i

Arrayable subwoofers

WASP-S12

WASP-S18

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

Incorporatig 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 interchangible couplings), WASP line array covers distances up to 100m, previously possible only to much larger systems. Such versality 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		WASP-8i	
	Passive line array module		Installation line array module	
Frequency Response (-10dB)	70 - 20000 Hz		70 - 20000 Hz	
Max SPL [1]	138 dB (single cabinet)		138 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 (W×H×D)	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 9 dB
[2] – based on transducer power measured according to AES 2 - 2012

WSF-02
Versatile frame for WASP-8, WASP-S12, WASP-S18

WASP-FC3
Flying case for 3 pcs of WASP-8

WASP-FC4
Flying case for 4 pcs of WASP-8

WSC-34
Transportation cart for 3 or 4 pcs of WASP-8

| WASP-S12	WASP-S18	
Passive arrayable subwoofer	Passive arrayable subwoofer	
45 – 140 Hz	32 – 200 Hz	Frequency Response (–10dB)
138,5 dB	138 dB	Max SPL [1]
100 dB	98 dB	Sensitivity (1W/1m)
12", 4" VC	18", 4" VC	LF Driver
8 Ohm	8 Ohm	Impedance
950 W	1300 W	Nominal power [2]
4x Neutrik Speakon	4x Neutrik Speakon	Connectors
608x456x765 mm	608x510x765 mm	Dimensions (W×H×D)
44,6 kg	47,8 kg	Net weight
47,6 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 9 dB
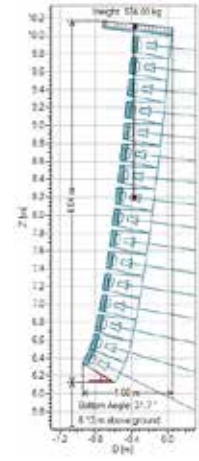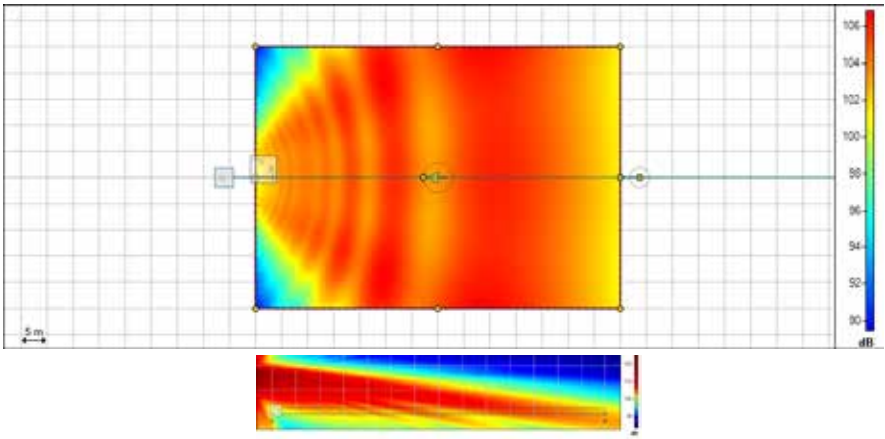[2] – based on transducer power measured according to AES 2 – 2012

Great degree of scalability allow WASP to be used for small installations as well as for large concerts, tours, stadiums and sports arenas.
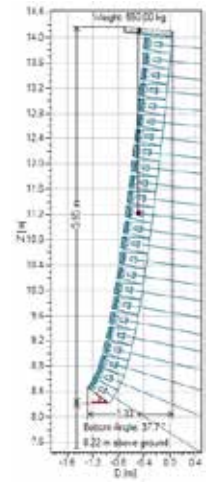
8 pcs
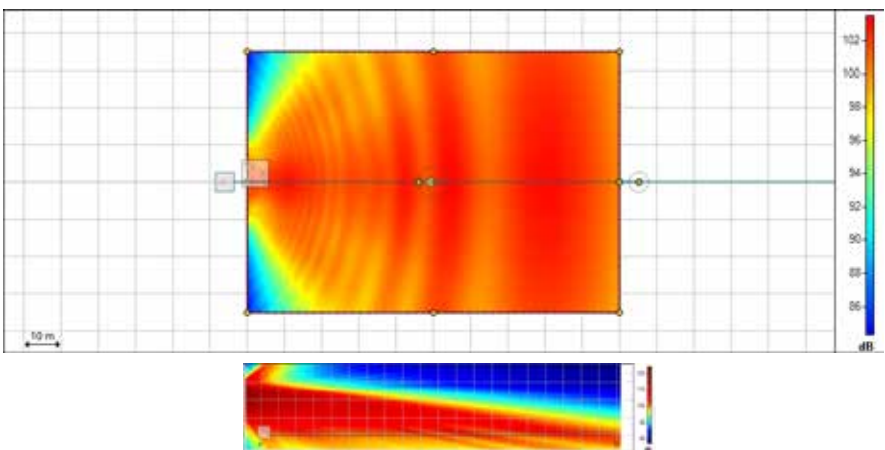**40 meters coverage**
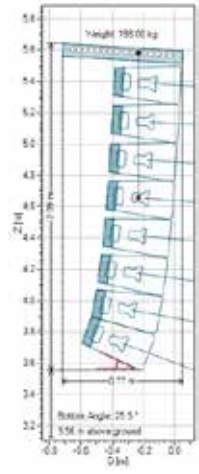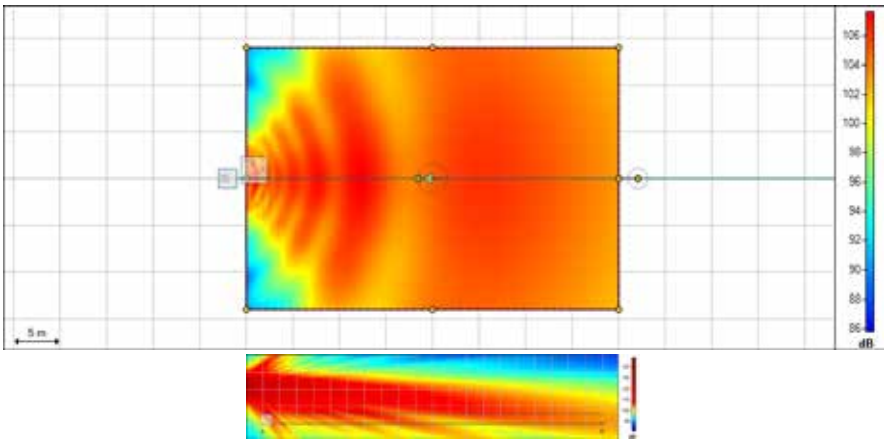
16 pcs
70 meters coverage

24 pcs
100 meters coverage

FOCUS
stage monitors

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.

Special 15" Focus Sub boosts versality 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 pristing 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 Passive stage monitor	Focus Sub Passive monitor subwoofer	
48 – 20000 Hz	38 - 200 Hz	Frequency Response (-10dB)
134 dB	136 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 (W×H×D)
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

Focus 5A Powered stage monitor	Focus SubA Powered monitor subwoofer	
48 – 20000 Hz	38 - 200 Hz	Frequency Response (-10dB)
131 dB	134 dB	Max SPL (calculated)
15" coaxial, 3" / 2,8" VC	15", 4" VC	Transducer
40° x 80°		Nominal Coverage Angle (H x V)
700 + 700 W	2000 W	Amplifier power
Class D, fan cooling, DSP with phase-linear FIR	Class D, fan cooling	Amplifier
0 dBV (1 V RMS)	0 dBV (1 V RMS)	Input sensivity
Monitor / FOH switching HPF 100 Hz switching	LPF 100 Hz switching	Settings
XLR in + XLR out	XLR in + XLR out	Connectors
590x353x536 mm	590x441x695 mm	Dimensions (W×H×D)
22,4 kg	36 kg	Net weight
23,4 kg	38 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 material
Steel grill, acoustically transparent backing	Steel grill, acoustically transparent backing	Speaker protection

[1] - pink noise, filtered according to AES 2 - 2012, crest factor 9 dB
[2] - based on transducer power measured according to AES 2 - 2012

AMPRACKs

Amplifier Racks

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 connectivity, 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	2x EtherCon	2x EtherCon	2x EtherCon
DANTE	Optional	Optional	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