



SCREEN SPEAKERS

SURROUND SPEAKERS

SUBWOOFERS

SURROUND SUBWOOFERS

OUTDOOR SERIES

POWER AMPLIFIERS

ELECTRONICS



PRODUCT CATALOG
2023

ABOUT MAG CINEMA

For over 25 years MAG Audio Company has followed a tradition to satisfy customer's needs first.

Today, we have assembled a professional & dedicated team of audio engineers, technicians, and audio experts continuously working to provide only the best solutions for all types of sound-reinforcement challenges for our clients.

Our wide range of professional products includes a series of large-format touring, installation as well as compact portable systems.



We have performed numerous audio-visual installations all over the globe and collaborated with many complementary product suppliers – all of them were called in for the most important idea: to understand the needs of our customers better.

Following this philosophy, we have developed a series of carefully designed cinema products featuring top-notch sound quality and outstanding reliability. In collaboration with several cinema installation providers, we have ensured our products are user-friendly, competitively priced, and easy to set up.

Our two-way and three-way screen speakers provide the recommended coverage and increased sensitivity, which brings down the amplifier rating requirement along with the overall project costs. High-frequency horns with Coverage Control technology allow for better coverage compared to a traditional design.

Cinema subwoofers of increased volumes and inflexible cabinet designs provide massive low-end reproduction. Reliable long-excursion drivers offer considerable power headroom while cutting down maintenance costs.



MAG Audio's cinema surrounds come in various sizes and offer several mounting options, ensuring a quick, easy, and safe installation of the entire cinema sound system. A wide range of impedance choices allow for selecting the perfect model for every installation.

Understanding that the audio-visual entertainment industry is rapidly growing, we continue to strive to respond quickly to the market's needs. MAG Audio is proud of its great history of helping numerous global successful installations & prestigious projects to reach recognition, distinction, and success.



SCREEN SPEAKERS

SCR-412 | SCR-415 | SCR-435
SCR-165S | SCR-15S | SCR-22M | SCR-25M
SCR-35L | SCR-42L | TOWER SCREEN SYSTEM



An all-new line of screen speakers that offers outstanding efficiency for optimal amplifier usage, drastically lowering the overall project costs and environmental footprint – combined with MAG Cinema's outstanding sound quality. Compact systems provide solutions for small halls with limited behind-the-screen space while larger systems offer a high SPL and precise aim for demanding larger projects.



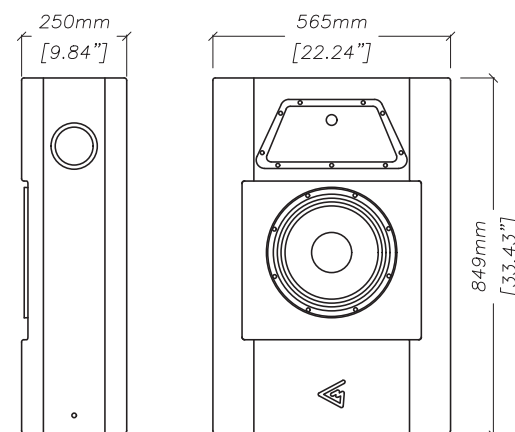
SCR-412

The perfect choice for small and mid-sized halls, the SCR 412 is an extremely slim (9,84") speaker for the tightest behind-screen space. This speaker's sensitivity requires much less amplifier power ratings, further reducing the project costs and environmental impact.

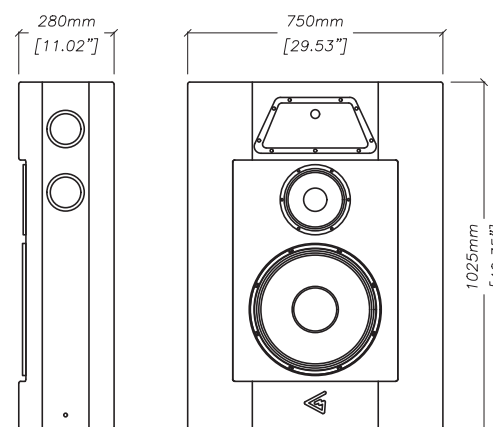
SPL reference:

Hall size: 10,3 m / 33,9 ft long
Max SPL at RLP: 105 dB

Frequency range (-6/+3 dB)	40 - 20000 Hz
Max sound pressure level	121,5 dB
Sensitivity (1W/1m half-space)	97 dB passive 97 dB LF / 108 dB HF Bi-amp
Drivers	12" + 1"
Nominal impedance	4 Ohm passive 4 Ohm LF / 8 Ohm HF Bi-amp
Rated power	300 W passive 300 W LF / 50 W HF Bi-amp
Connectors	Barrier strip screw terminal
Dimensions (WxHxD)	565x849x250 mm / 22,24"x33,43"x9,84"
Net weight	30,2 kg / 66,6 lbs
Gross weight	32,2 kg / 71 lbs
Color	Black



Frequency range (-6/+3 dB)	40 - 18000 Hz
Max sound pressure level	125 dB
Sensitivity (1W/1m half-space)	99 dB passive 99 dB LF / 99 dB MHF bi-amp
Drivers	15" + 8" + 1"
Nominal impedance	4 Ohm passive 4 Ohm LF / 8 Ohm MHF Bi-amp
Rated power	400 W passive 300 W LF / 150 W MHF Bi-amp
Connectors	Barrier strip screw terminal
Dimensions (WxHxD)	750x1025x280 mm / 29,53"x40,35"x11,02"
Net weight	46,5 kg / 102,5 lbs
Gross weight	51,5 kg / 113,5 lbs
Color	Black



SCR-435

The SCR-435 is a three-way screen speaker for small and mid-sized halls. With only an 11-inch depth, it easily fits in the smallest space behind the screen. With components specifically built for response and sensitivity, the SCR-435 effectively cuts down costs for amplification and cooling.

SPL reference:

Hall size: 15 m / 49,3 ft long
Max SPL at RLP: 105 dB



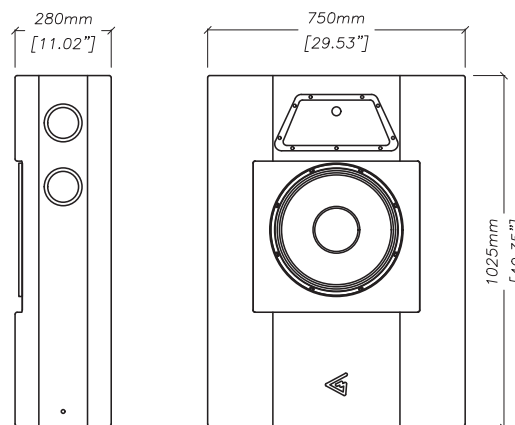
SCR-415

The perfect choice for small and mid-sized halls, the SCR-415 is an extremely slim (11-inch) speaker fitting in the tightest behind-screen space. The speaker's sensitivity allows for much lower power amplifier ratings, further reducing the project costs and environmental impact.

SPL reference:

Hall size: 13 m / 42,7 ft long
Max SPL at RLP: 105 dB

Frequency range (-6/+3 dB)	40 - 18000 Hz
Max sound pressure level	123,5 dB
Sensitivity (1W/1m half-space)	99 dB passive 99 dB LF / 108 dB HF Bi-amp
Drivers	15" + 1"
Nominal impedance	4 Ohm passive 4 Ohm LF / 8 Ohm HF Bi-amp
Rated power	300 W passive 300 W LF / 50 W HF Bi-amp
Connectors	Barrier strip screw terminal
Dimensions (WxHxD)	750x1025x280 mm / 29,53"x40,35"x11,02"
Net weight	41 kg / 90,4 lbs
Gross weight	46 kg / 101,4 lbs
Color	Black





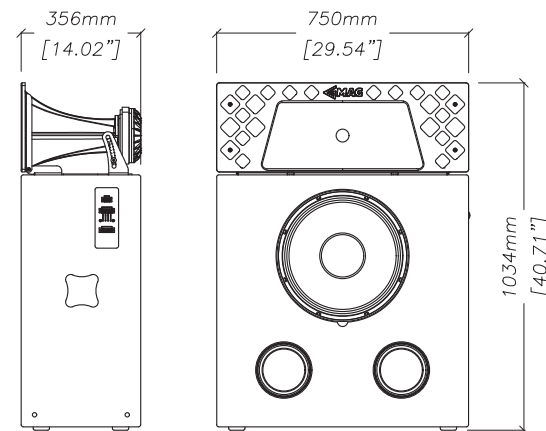
SCR-15S

Providing great value for mid-sized halls, the SCR 15S is a 15" + 1,5" screen speaker with MF-HF section tilt/pan function for a perfect sound axis positioning. Its design was calibrated for a superior performance resulting in optimal amplifier usage and less total power consumption.

SPL reference:

Hall size: 17,4 m / 57 ft long
Max SPL at RLP: 105 dB

Frequency range (-6/+3 dB)	40 - 18000 Hz
Max sound pressure level	126 dB
Sensitivity (1W/1m half-space)	98,5 dB LF / 108 HF Bi-amp
Drivers	15" + 1,5"
Nominal impedance	4 Ohm LF / 8 Ohm HF Bi-amp
Rated power	600 W LF / 100 W HF Bi-amp
Connectors	Phoenix
Dimensions (WxHxD)	750x1034x356 mm / 29,54"x40,71"x14,02"
Net weight	49,4 kg / 108,9 lbs
Gross weight	52,4 kg / 115,5 lbs
Color	Black



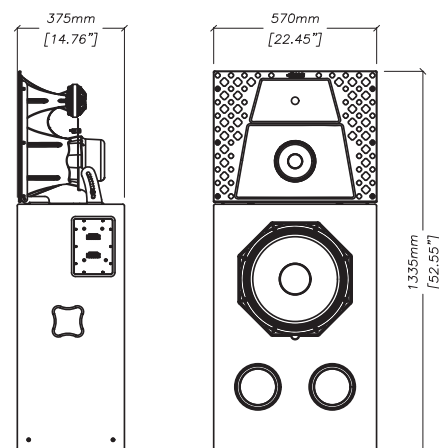
SCR-165S

Providing great value for mid-sized halls, the SCR-165S is a 15" + 6" + 1" screen speaker with MF-HF section tilt/pan function for perfect sound axis positioning. Its design was calibrated for superior performance resulting in optimal amplifier usage and less total power consumption.

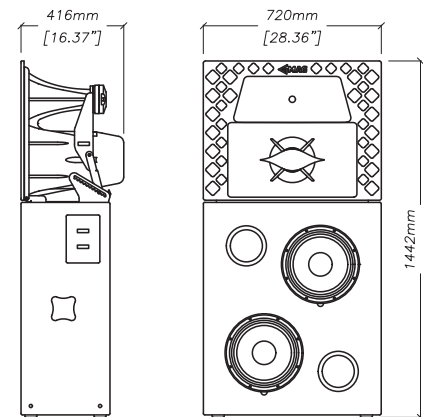
SPL reference:

Hall size: 16,8 m / 55,1 ft long
Max SPL at RLP: 105 dB

Frequency range (-6/+3 dB)	40 - 20000 Hz
Max sound pressure level	126 dB
Sensitivity (1W/1m half-space)	99 dB LF, 103 dB MHF bi-amp / 103 dB MF / 109 HF tri-amp
Drivers	15" + 6" + 1,5"
Nominal impedance	4 Ohm LF, 8 Ohm MHF bi-amp / 8 Ohm MF / 8 Ohm HF tri-amp
Rated power	500 W LF, 250 W MHF bi-amp / 200 W MF / 50 W HF tri-amp
Connectors	Phoenix
Dimensions (WxHxD)	550x1309x375 mm / 21,7"x51,9"x14,8"
Net weight	49,4 kg / 131,8 lbs
Gross weight	52,4 kg / 140,4 lbs
Color	Black



Frequency range (-6/+3 dB)	40 - 20000 Hz
Max sound pressure level	128 dB
Sensitivity (1W/1m half-space)	101 dB LF 105 dB MHF Bi-amp 105 dB MF / 110 dB HF Tri-amp
Drivers	2x12" + 8" + 1"
Nominal impedance	4 Ohm LF 8 Ohm MHF Bi-amp 8 Ohm MF / 8 Ohm HF Tri-amp
Rated power	500 W LF / 200 W MHF Bi-amp 150 W MF / 50 W HF Tri-amp
Connectors	Phoenix
Dimensions (WxHxD)	720x1442x416 mm / 28,35"x56,77"x16,38"
Net weight	68,4 kg / 150,8 lbs
Gross weight	72,5 kg / 159,8 lbs
Color	Black



SCR-22M

Providing great value for mid-sized halls, the SCR 22M is a 2x12" + 8" + 1" screen speaker with MF-HF section tilt/pan function for a perfect sound axis positioning. Its component design was calibrated for superior performance resulting in less total power consumption.

SPL reference:

Hall size: 21,1 m / 69,4 ft long
Max SPL at RLP: 105 dB

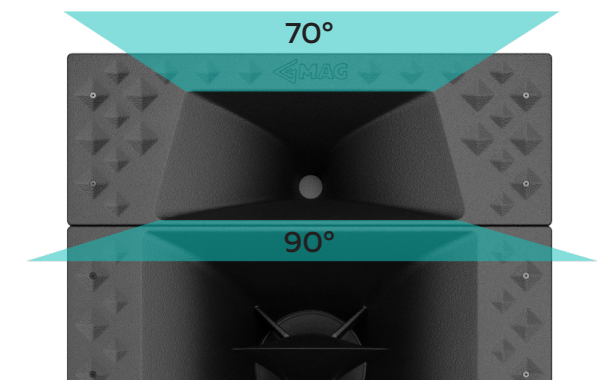
Coverage Control technology

The MAG Cinema Coverage Control technology opens a new dimension of immersive possibilities for a complete cinema experience. A seamless sound field eliminates the sound quality difference across the room due to the even coverage of each screen speaker throughout the hall.

The core of the Coverage Control technology is the sliding horizontal coverage of the high-frequency horn - the range which is subject to directivity issues the most. With narrow directivity at the top and wide at the bottom, the Coverage Control spreads the sound exactly over the rectangular seating area.

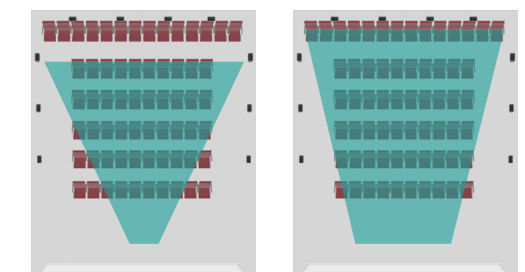
With the conventional approach, front side seats are lacking the sound from all three screen speakers. At the same time, sound waves disperse into the wall at the very back of the room. The result is coverage gaps throughout the room and ineffective usage of the speaker's power headroom.

The Coverage Control technology allows all front-seat patrons to experience the same sound quality thanks to the wider dispersion. The long throw also dramatically improved due to the narrower beam keeping the sound pressure exactly to the audience and of the walls.



Conventional system

Coverage Control





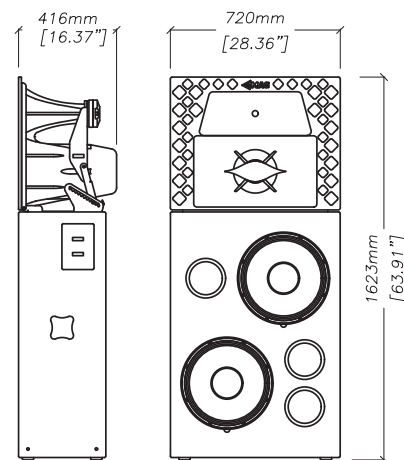
SCR-25M

Providing a great value for mid-sized halls, the SCR-25M is a 2x15" + 8" + 1" screen speaker with MF-HF section tilt/pan function for a perfect sound axis positioning. Its component design was calibrated for superior performance resulting in optimal amplifier usage and less total power consumption.

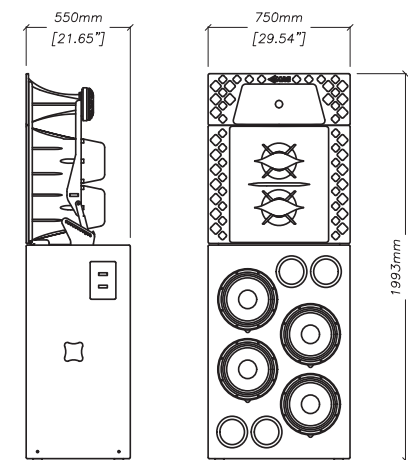
SPL reference:

Hall size: 24,9 m / 81,7 ft long
Max SPL at RLP: 105 dB

Frequency range (-6/+3 dB)	40 - 20000 Hz
Max sound pressure level	129,5 dB
Sensitivity (1W/1m half-space)	102 dB LF 105 dB MHF Bi-amp 105 dB MF / 111 dB HF Tri-amp
Drivers	2x15" + 8" + 1"
Nominal impedance	4 Ohm LF 8 Ohm MHF Bi-amp 8 Ohm MF / 8 Ohm HF Tri-amp
Rated power	550 W LF / 300 W MHF Bi-amp 250 W MF / 70 W HF Tri-amp
Connectors	Phoenix
Dimensions (WxHxD)	720x1623x416 mm / 28.35"x63.9"x16.38"
Net weight	83,4 kg / 183,9 lbs
Gross weight	87,4 kg / 192,7 lbs
Color	Black



Frequency range (-6/+3 dB)	38 - 18000 Hz
Max sound pressure level	134 dB
Sensitivity (1W/1m half-space)	104 dB LF 108 dB MHF Bi-amp 108 dB MF / 110 dB HF Tri-amp
Drivers	4x12" + 2x8" + 1,5"
Nominal impedance	4 Ohm LF 4 Ohm MHF Bi-amp 4 Ohm MF / 8 Ohm HF Tri-amp
Rated power	1000 W LF / 400 W MHF Bi-amp 300 W MF / 100 W HF Tri-amp
Connectors	Phoenix
Dimensions (WxHxD)	750x1993x550 mm / 29.54"x78.47"x21.65"
Net weight	111,6 kg / 246 lbs
Gross weight	115,6 kg / 254,9 lbs
Color	Black



SCR-42L

Designed for large halls with great SPL requirements, the SCR-42L is a mighty 4x 12" + 2x 8" + 1,5" screen speaker. Pan/tilt MF-HF section allows for precise positioning of the sound beam. Its components were thoroughly optimized for less amplifier ratings and lower overall project costs.

SPL reference:

Hall size: 42,3 m / 138,7 ft long
Max SPL at RLP: 105 dB



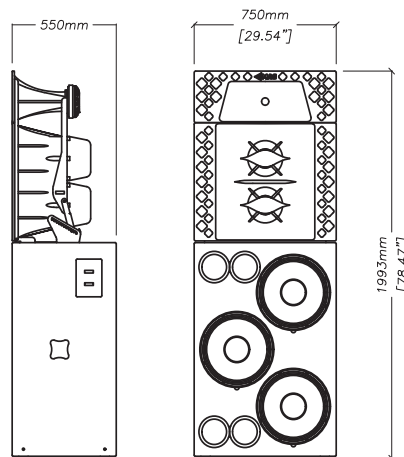
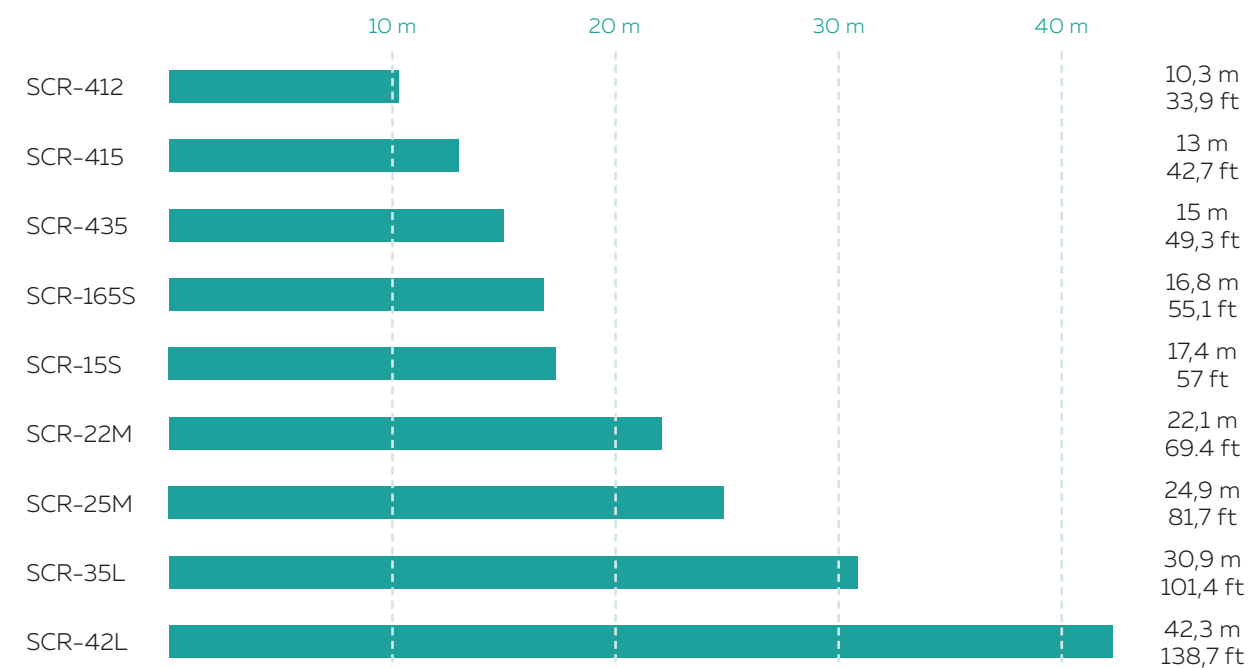
SCR-35L

Designed for large halls with a great SPL headroom requirement, the SCR-35L is a mighty 3x15" + 2x8" + 1,5" screen speaker. Pan/tilt MF-HF section allows for precise positioning of the sound beam. Its components were thoroughly optimized for less amplifier power consumption.

SPL reference:

Hall size: 30,9 m / 101,4 ft long
Max SPL at RLP: 105 dB

Frequency range (-6/+3 dB)	40 - 18000 Hz
Max sound pressure level	132 dB
Sensitivity (1W/1m half-space)	103,5 dB LF 106,5 dB MHF Bi-amp 106,5 dB MF / 110 dB HF Tri-amp
Drivers	3x15" + 2x8" + 1,5"
Nominal impedance	4 Ohm LF 4 Ohm MHF Bi-amp 4 Ohm MF / 8 Ohm HF Tri-amp
Rated power	600 W LF / 300 W MHF Bi-amp / 200 W MF / 100 W HF Tri-amp
Connectors	Phoenix
Dimensions (WxHxD)	750x1993x550 mm / 29.53"x78.48"x21.65"
Net weight	111,2 kg / 245,2 lbs
Gross weight	115,2 kg / 254 lbs
Color	Black


Screen system max hall length


Max hall length is calculated according to max continuous SPL at RLP - a point on the central hall axis 2/3 lengthwise from the screen. Max continuous SPL is determined according to the nominal power rating.

Values are provided for reference only and cannot be used as a substitute for professional sound system design. Consult the trained sound engineer or consultant for detailed technical estimate.



TOWER SCREEN SYSTEM

MAG's TOWER SCREEN SYSTEM is the next-generation modular screen system for top-class cinemas, establishing a new standard of sound clarity, presence, and performance.

MAG's TOWER SCREEN SYSTEM consists of easily connectable cabinets, complete with rigging and flying hardware. Each cabinet can be amplified independently, which gives the sound engineer unprecedented control that's not available with conventional systems.

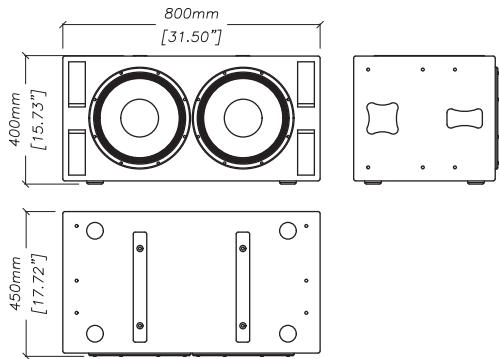
The acoustic cabinets are carefully designed to merge into a unified system, regardless of the actual array size. This allows the delivery of the signature sound performance into any cinema hall of any size.

The simple and effective rigging system features all-purpose elements allowing the assembly of the TOWER SCREEN SYSTEM into flown clusters or ground stacks.

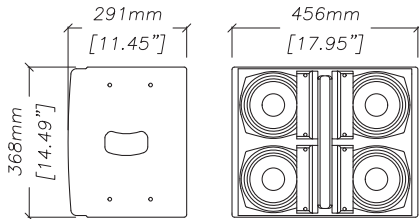
This modular solution not only cuts down the installation time but also allows for optimal stock with fewer components to worry about while designing the system.

System	Tower-T0/T4/T8
Frequency response	100 – 19000 Hz
Max continuous SPL	125 dB
Sensitivity (1W/1m half-space)	98 dB Mid / 113 dB Hi
Transducers	4x6" Mid / 2x1" Hi
Coverage Horizontal	90°
Vertical splay angle	0° / 4° / 8°
Nominal impedance	8 Ohm Mid / 8 Ohm Hi
Rated power	520 W Mid / 100 W H
Connectors	Phoenix
Dimensions (WxHxD):	
Tower-T0-8	456x370x291 mm / 17,95"x14,57"x11,46"
Tower-T4-8	456x370x294 mm / 17,95"x14,57"x11,57"
Tower-T8-8	456x366x295 mm / 17,95"x14,41"x11,61"
Weight Net / Shipping	21,6 kg / 47,6 lbs / 24 kg / 52,9 lbs
Color	Black
System	Tower-B
Frequency response	42 – 200 Hz
Max continuous SPL	129 dB
Sensitivity (1W/1m half-space)	98 dB
LF Transducer	2x12"
Nominal impedance	4 Ohm
Rated power	1200 W
Connectors	Phoenix
Dimensions (WxHxD)	800x398x448 mm / 31,5"x15,67"x17,64"
Weight Net / Shipping	38,2 kg / 84,2 lbs / 41,4 kg / 91,3 lbs
Color	Black

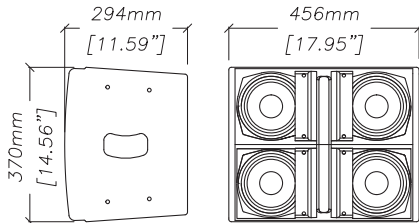
TOWER-B



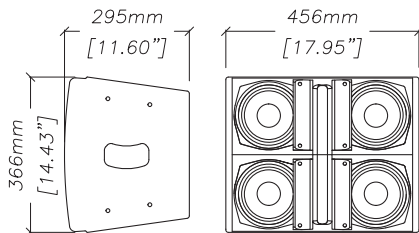
TOWER-T0



TOWER-T4



TOWER-T8



SURROUND SPEAKERS

- SUR-406 | SUR-408 | SUR-410 | SUR-420
SUR-63 | SUR-83 | SUR-103 | SUR-123
SUR-153 | SUR-153H | SUR-800 | SUR-1000 | SUR-1200 | SUR-12C



Offering a variety of sizes and mounting options, MAG Cinema surround speakers provide fine dispersion control and smooth response. This makes it possible to create fully immersive environments that provide every seat in the auditorium with the best sound experience and unprecedented involvement effects. MAG's specially designed high-power slim profile front surrounds provide the necessary SPL to be used in the largest movie theaters with modern and demanding 3D sound systems.



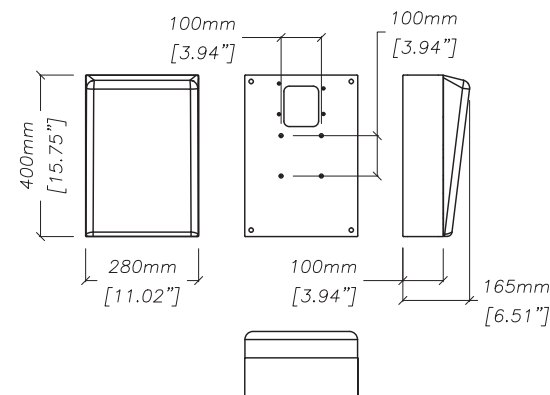
SUR-406

The SUR-406 is a compact surround speaker, made extremely slim for usage in small auditoriums or home cinemas. SUR-406 is based on a 6" woofer and 1" HF driver and features an easily removable grill along with the VESA mounting hole pattern.

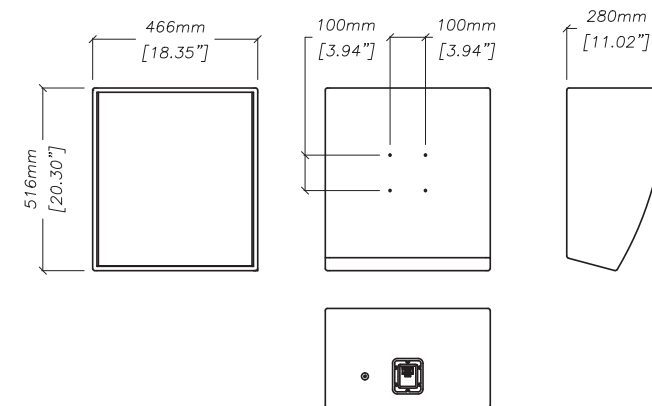
SPL reference:

Hall size: 6,9 m / 22,7 ft wide
Max SPL at RLP: 102 dB

Frequency range (-6/+3 dB)	90 - 18000 Hz
Max sound pressure level (1m)	114,5 dB
Sensitivity (1W/1m half-space)	94 dB
Sensitivity (1W/1m free-space)	91 dB
Drivers	6" +1"
Coverage	60° 90° H x +5 -35° V
Nominal impedance	4 / 8 / 16 Ohm
Rated power	150 W
Connectors	Phoenix
Dimensions (WxHxD)	280x400x165 mm / 11,02"x15,75"x6,50"
Net weight	6 kg / 13,2 lbs
Gross weight	7 kg / 15,4 lbs
Color	Black



Frequency range (-6/+3 dB)	65 - 18000 Hz
Max sound pressure level (1m)	119 dB
Sensitivity (1W/1m half-space)	98 dB
Sensitivity (1W/1m free-space)	95 dB
Drivers	10" + 1"
Nominal coverage	80° x 60°
Nominal impedance	8 / 16 Ohm
Rated power	250 W
Connectors	Phoenix
Dimensions (WxHxD)	466x516x280 mm / 18,35"x20,31"x11,02"
Net weight	14,5 kg / 32,0 lbs
Gross weight	16,5 kg / 36,8 lbs
Color	Black



SUR-410

The SUR-410 is a versatile surround speaker with a professional look and options for fast and easy mounting. Built with a 10" + 1" driver, the SUR-410 offers several choices in impedance for numerous amplification options along with the VESA mounting hole pattern.

SPL reference:

Hall size: 14,1 m / 46,4 ft wide
Max SPL at RLP: 102 dB



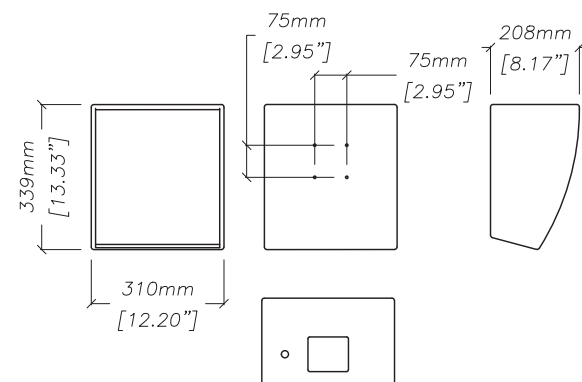
SUR-408

The SUR-408 is a versatile surround speaker with a professional look and options for fast and easy mounting. Based on an 8" coaxial driver, the SUR-408 offers several choices in impedance for numerous amplification options. Includes a VESA mounting hole pattern.

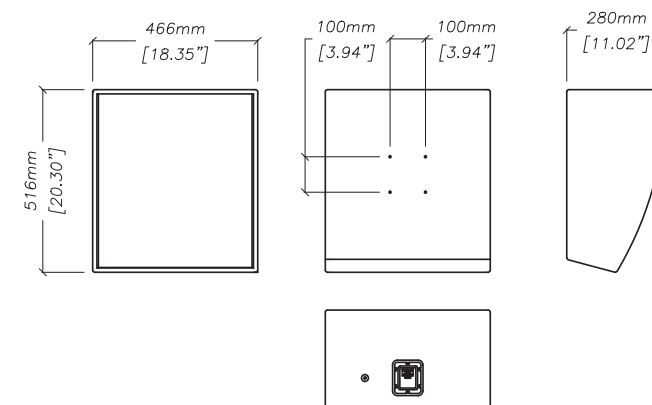
SPL reference:

Hall size: 11,2 m / 36,8 ft wide
Max SPL at RLP: 102 dB

Frequency range (-6/+3 dB)	80 - 18000 Hz
Max sound pressure level	117 dB
Sensitivity (1W/1m half-space)	95 dB
Sensitivity(1W/1m free-space)	93 dB
Drivers	8" Coaxial
Coverage	90° x 90°
Nominal impedance	4 / 8 / 16 Ohm
Rated power	250 W
Connectors	Phoenix
Dimensions (WxHxD)	310x350x208 mm / 12,2"x13,78"x8,2"
Net weight	9,5 kg / 20,9 lbs
Gross weight	10,5 kg / 23,1 lbs
Color	Black



Frequency range (-6/+3 dB)	65 - 18000 Hz
Max sound pressure level (1m)	122 dB
Sensitivity (1W/1m half-space)	98 dB
Sensitivity (1W/1m free-space)	95 dB
Drivers	10" + 1"
Nominal coverage	90° x 55°
Nominal impedance	8 / 16 Ohm
Rated power	500 W
Connectors	Phoenix
Dimensions (WxHxD)	466x516x280 mm / 18,35"x20,31"x11,02"
Net weight	15,2 kg / 33,5 lbs
Gross weight	17,2 kg / 37,9 lbs
Color	Black



SUR-420

The SUR-420 is a versatile surround speaker with a professional look and options for fast and easy mounting. Built with a 10" + 1" driver, the SUR-420 offers several choices in impedance for numerous amplification options. Includes a VESA mounting hole pattern.

SPL reference:

Hall size: 20 m / 65,5 ft wide
Max SPL at RLP: 102 dB





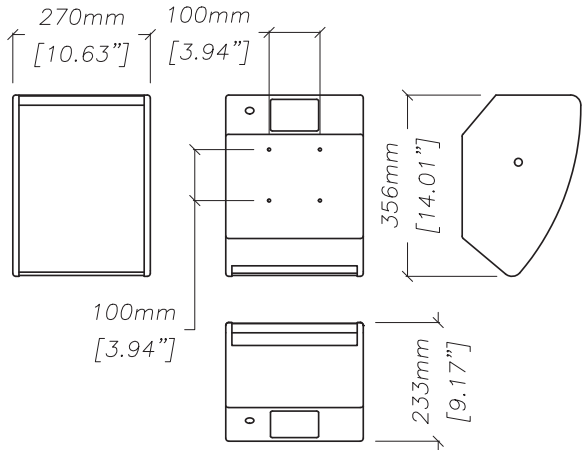
SUR-63

The SUR-63 is designed for small and mid-sized multi-channel surround sound installations, featuring a modern and professional look. Equipped with VESA and U-bracket mounting adapters, the SUR-63 is easy to mount and connect, fitting most interior designs.

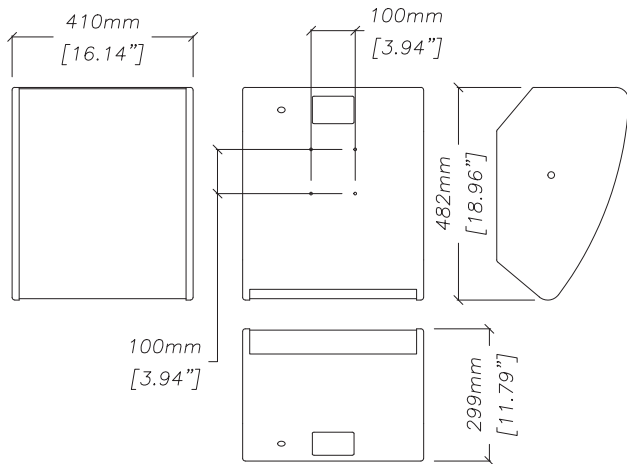
SPL reference:

Hall size: 6,9 m / 22,7 ft wide
Max SPL at RLP: 102 dB

Frequency range (-6/+3 dB)	90 - 18000 Hz
Max sound pressure level	113 dB
Sensitivity (1W/1m half-space)	94 dB
Sensitivity (1W/1m free-space)	91 dB
Drivers	6" coaxial
Coverage	100° x 100°
Nominal impedance	4 / 8 / 16 Ohm
Rated power	150 W
Connectors	Phoenix
Dimensions (WxHxD)	295x222x343 mm / 11,6"x8,74"x13,5"
Net weight	6 kg / 13,2 lbs
Gross weight	7 kg / 15,4 lbs
Color	Black



Frequency range (-6/+3 dB)	65 - 18000 Hz
Max sound pressure level (1m)	122 dB
Sensitivity (1W/1m half-space)	99 dB
Sensitivity (1W/1m free-space)	96 dB
Drivers	10" Coaxial
Nominal coverage	90° x 90°
Nominal impedance	4 / 8 / 16 Ohm
Rated power	400 W
Connectors	Phoenix
Dimensions (WxHxD)	410x482x299 mm / 16,14"x19"x11,8"
Net weight	14 kg / 30,9 lbs
Gross weight	19 kg / 41,9 lbs
Color	Black





SUR-103

Featuring a modern professional look, the SUR-103 is a versatile surround system for cinema auditoriums. This 10" coaxial speaker is easily integrated with screen speakers and subwoofers, allowing for a natural gap-free sound field in your cinema hall.

SPL reference:

Hall size: 20 m / 65,8 ft wide
Max SPL at RLP: 102 dB



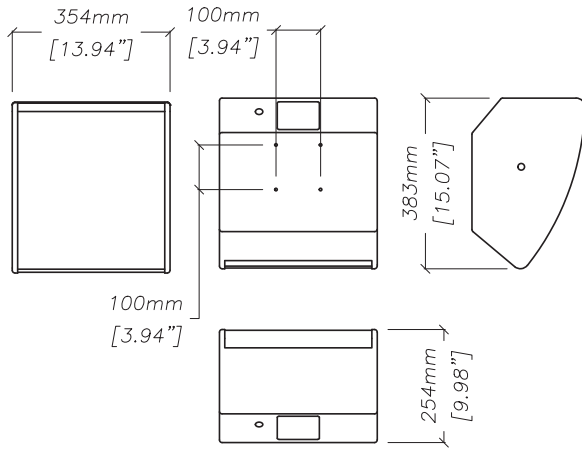
SUR-83

The SUR-83 is a compact coaxial surround speaker providing smooth coverage and perfect coupling due to a true point source design. Flying brackets and VESA mounting adapters allow for great versatility in positioning the speaker in the theater.

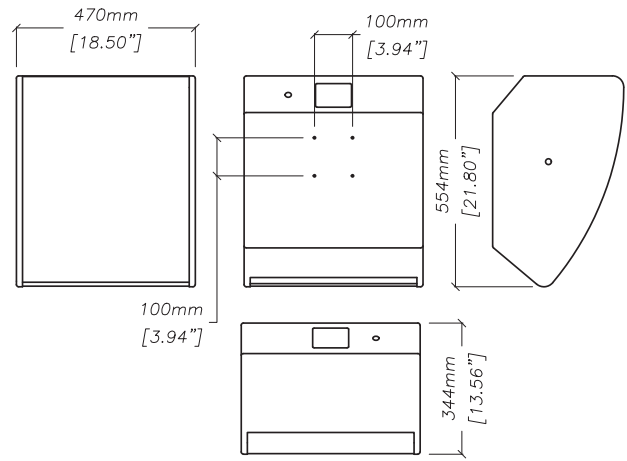
SPL reference:

Hall size: 13,8 m / 45,2 ft wide
Max SPL at RLP: 102 dB

Frequency range (-6/+3 dB)	80 - 18000 Hz
Max sound pressure level	118,5 dB
Sensitivity (1W/1m half-space)	97 dB
Sensitivity(1W/1m free-space)	94 dB
Drivers	8" Coaxial
Coverage	90° x 90°
Nominal impedance	4 / 8 / 16 Ohm
Rated power	300 W
Connectors	Phoenix
Dimensions (WxHxD)	354x383x254 mm / 13,94"x15,08"x10"
Net weight	9,5 kg / 20,9 lbs
Gross weight	10,5 kg / 23,1 lbs
Color	Black



Frequency range (-6/+3 dB)	55 - 18000 Hz
Max sound pressure level (1m)	124 dB
Sensitivity (1W/1m half-space)	100 dB
Sensitivity (1W/1m free-space)	97 dB
Drivers	12" Coaxial
Nominal coverage	90° x 90°
Nominal impedance	4 / 8 / 16 Ohm
Rated power	500 W
Connectors	Phoenix
Dimensions (WxHxD)	470x554x344 mm / 18,5"x21,8"x13,5"
Net weight	22 kg / 48,5 lbs
Gross weight	27 kg / 59,5 lbs
Color	Black





SUR-123

Benefiting from its professional front grill design, the SUR-123 high-power surround sound speaker has multiple mounting options for a convenient setup and use. A 12" coaxial driver provides perfect coherence and optimal coverage due to its point-source design.

SPL reference:

Hall size: 25,2 m / 82,5 ft wide
Max SPL at RLP: 102 dB



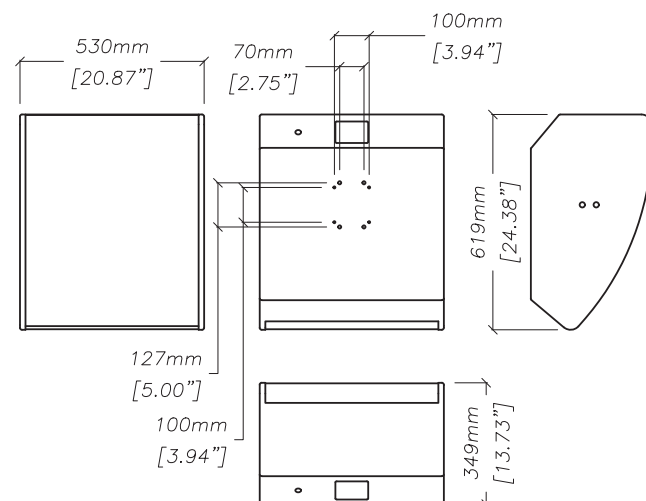
SUR-153

The SUR-153 is a high-power cinema speaker, designed to function as a frontal surround system offering a lot of power and optimal coverage. Perfectly fits on the wall or below the ceiling provided its VESA or U-Brackets mounting holes.

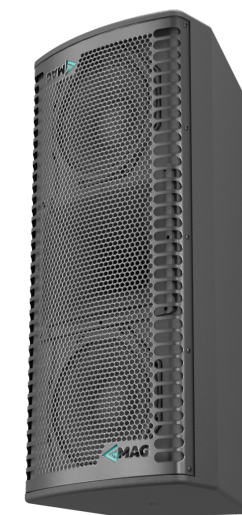
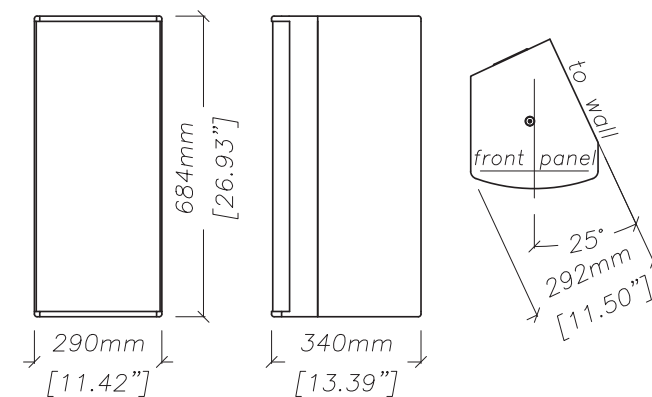
SPL reference:

Hall size: 30,9 m / 101,4 ft wide
Max SPL at RLP: 102 dB

Frequency range (-6/+3 dB)	50 - 18000 Hz
Max sound pressure level	125 dB
Sensitivity (1W/1m half-space)	101 dB
Sensitivity (1W/1m free-space)	98 dB
Drivers	15" Coaxial
Coverage	90° x 90°
Nominal impedance	4 / 8 Ohm
Rated power	600 W
Connectors	Phoenix
Dimensions (WxHxD)	530x619x349 mm / 20,87"x24,37"x13,74"
Net weight	23,5 kg / 51,8 lbs
Gross weight	28,5 kg / 62,8 lbs
Color	Black



Frequency range (-6/+3 dB)	75 - 18000 Hz
Max sound pressure level (1m)	124,5 dB
Sensitivity (1W/1m half-space)	100 dB
Sensitivity (1W/1m free-space)	97 dB
Drivers	2x 8" + 1,5"
Nominal coverage	40° x 70° / 25° x 35°
Nominal impedance	4 Ohm
Rated power	600 W
Connectors	Phoenix
Dimensions (WxHxD)	290x684x340 mm / 11,41"x26,9"x13,39"
Net weight	20,8 kg / 41,1 lbs
Gross weight	22,8 kg / 50,3 lbs
Color	Black



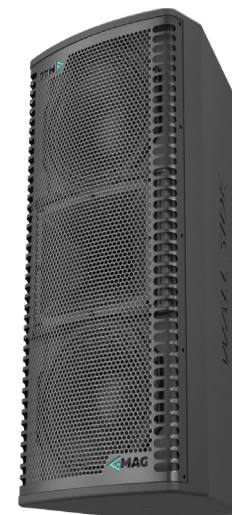
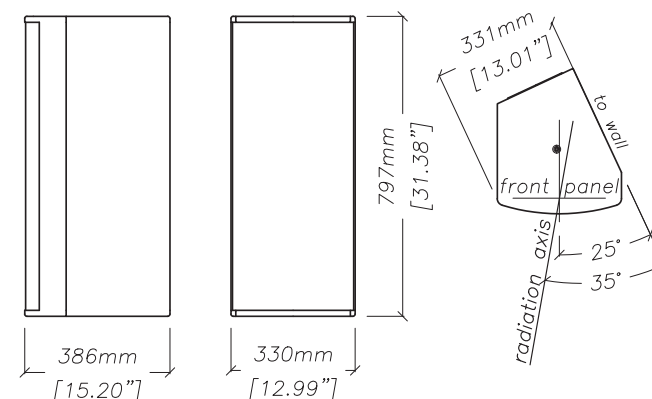
SUR-800

The SUR-800 is a high-power frontal surround speaker specifically designed to deliver the necessary SPL and coverage for extremely large cinema halls. With two 8" woofers and a 1,5" voice coil HF driver, it provides an impressive 600W power rating and peak SPL of 124,5 dB.

SPL reference:

Max throw: 13,7 m / 42,7 ft
Max SPL at RLP: 102 dB

Frequency range (-6/+3 dB)	60 - 18000 Hz
Max sound pressure level (1m)	128 dB
Sensitivity (1W/1m half-space)	101 dB
Sensitivity (1W/1m free-space)	98 dB
Drivers	2x 10" + 1,5"
Nominal coverage	70° x 40° / 25° x 35°
Nominal impedance	4 Ohm
Rated power	1000 W
Connectors	Phoenix
Dimensions (WxHxD)	330x797x386 mm / 13"x31,4"x15,2"
Net weight	25,6 kg / 55,1 lbs
Gross weight	27,6 kg / 60,8 lbs
Color	Black



SUR-1000

The SUR-1000 is a high-power frontal surround speaker specifically designed to deliver the necessary SPL and coverage for extremely large cinema halls. With two 10" woofers and a 1,5" voice coil HF driver, it provides an impressive 1000W power rating and peak SPL of 128 dB.

SPL reference:

Max throw: 19,9 m / 62,3 ft
Max SPL at RLP: 102 dB



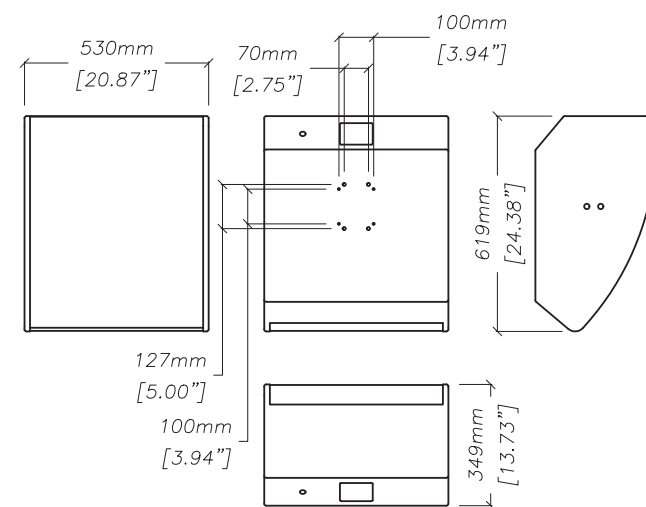
SUR-153H

An immensely powerful coaxial surround speaker, the SUR-153H is specifically designed for high-profile and demanding immersive premium theatre applications. Equipped with VESA and U-bracket installation options, the SUR-153H easily fits into any cinema design.

SPL reference:

Hall size: 37,9 m / 124,2 ft wide
Max SPL at RLP: 102 dB

Frequency range (-6/+3 dB)	50 - 18000 Hz
Max sound pressure level	127,5 dB
Sensitivity (1W/1m half-space)	101 dB
Sensitivity (1W/1m free-space)	98 dB
Drivers	15" Coaxial
Coverage	70° x 70°
Nominal impedance	4 Ohm
Rated power	900 W
Connectors	Phoenix
Dimensions (WxHxD)	530x619x349 mm / 20,87"x24,37"x13,74"
Net weight	24 kg / 52,9 lbs
Gross weight	29 kg / 63,9 lbs
Color	Black





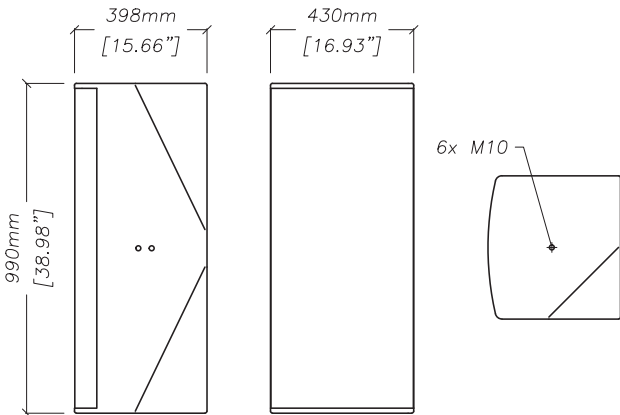
SUR-1200

The SUR-1200 is a high-power frontal surround speaker specifically designed to deliver the necessary SPL and coverage for extremely large cinema halls. It houses two 12" woofers and a 2" voice coil HF driver, providing an impressive 1200W power rating and SPL of 137,5 dB.

SPL reference:

Max throw: 29,1 m / 95,1 ft
Max SPL at RLP: 102 dB

Frequency range (-6/+3 dB)	50 - 18000 Hz
Max sound pressure level	137,5 dB
Sensitivity (1W/1m half space)	103,5 dB
Sensitivity (1W/1m free space)	100,5 dB
Drivers	2x 12" + 2"
Coverage	80° x 70° / 25° x 35°
Nominal impedance	4 Ohm
Rated power	1200 W
Connectors	Phoenix
Dimensions (WxHxD)	430x990x398 mm / 16,9"x39"x15,67"
Net weight	45 kg / 99,2 lbs
Gross weight	48 kg / 105,8 lbs
Color	Black



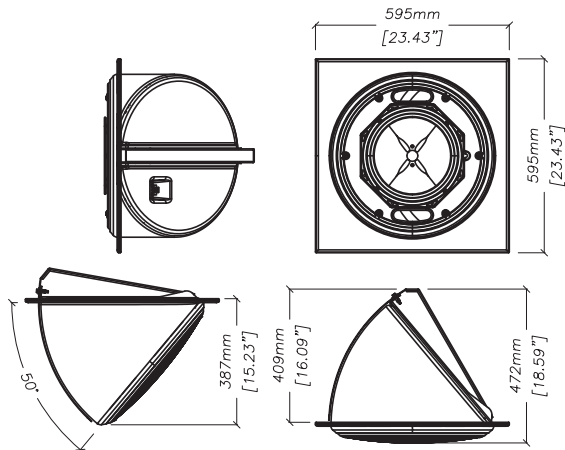
SUR-12C

The SUR-12C is a built-in ceiling speaker made for demanding immersive sound installation. It is created to fit as a standard Armstrong 24" x 24" ceiling tile. Based on a powerful 12" coaxial surround speaker, SUR-12C offers 360° rotation and up to 50° of tilt for precise aiming.

SPL reference:

Hall size: 25,2 m / 82,5 ft wide
Max SPL at RLP: 102 dB

Frequency range (-6/+3 dB)	55 - 18000 Hz
Max sound pressure level	124 dB
Sensitivity (1W/1m half space)	100 dB
Sensitivity (1W/1m free space)	97 dB
Coaxial driver	12", 3" VC
Nominal Coverage Angle	90° x 90°
Nominal impedance	4 / 8 / 16 Ohm
Rated power	500 W
Connectors	Phoenix
Dimensions (WxHxD)	595x595x472 mm / 19,7"x19,7"x16,6"
Mounting	Integrated mounting system,
Enclosure	Polyurethane plastic, wear-resistant paint
Net weight	23 kg / 50,7 lbs
Gross weight	25 kg / 55,1 lbs
Color	Black



SUBWOOFERS

SUB-418 | SUB-421 | SUB-428
V-Sub | W-Sub | H-Sub



High-performance MAG Cinema subwoofers are carefully designed specifically with low-frequency effects in mind: high-excursion woofers are made from exclusively-made components perfectly matching every subwoofer model, while the cabinets are made from high-quality materials and reinforced with braces ensuring less distortion, less energy loss, and higher output.



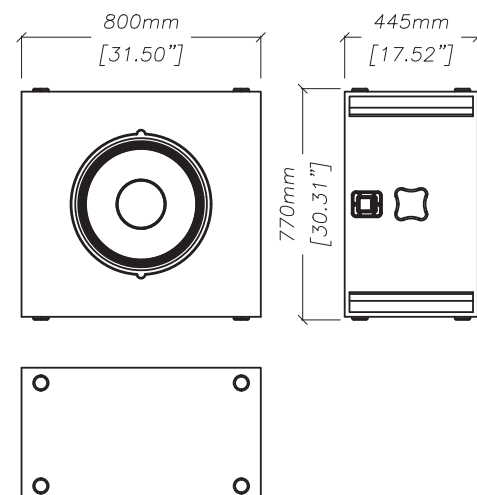
SUB-418

The 18" high-efficiency subwoofer, SUB-418 can cover a wide range of hall sizes. Long-excursion optimized driver offers great sensitivity and provides the best SPL/power handling ratio in its class. The special leg design allows for easily arraying two speakers side by side.

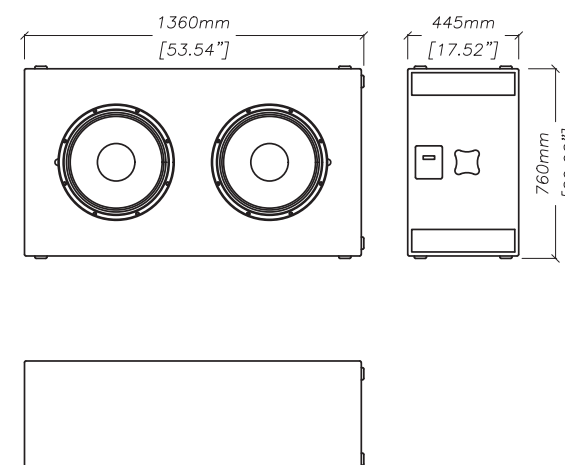
SPL reference:

Hall size: 5,2 m / 16,4 ft long (1 pcs)
10,3 m / 32,8 ft long (2 pcs)
Max SPL at RLP: 115 dB

Frequency range (±3 dB)	31 - 150 Hz
Max sound pressure level	125,7 dB
Sensitivity (1W/1m half-space)	98 dB
Drivers	18"
Nominal impedance	4 / 8 Ohm
Rated power	600 W
Connectors	Phoenix
Dimensions (WxHxD)	800x765x445 mm / 31,5"x30,12"x17,52"
Net weight	59,1 kg / 130 lbs
Gross weight	63,1 kg / 138,9 lbs
Color	Black



Frequency range (±3 dB)	31 - 150 Hz
Max sound pressure level	131,5 dB
Sensitivity (1W/1m half-space)	101 dB
Drivers	2x 18"
Nominal impedance	4+4 / 8+8 Ohm
Rated power	600 + 600 W
Connectors	Phoenix
Dimensions (WxHxD)	1350x760x445 mm / 53,15"x29,9"x17,52"
Net weight	88 kg / 194 lbs
Gross weight	93 kg / 205 lbs
Color	Black



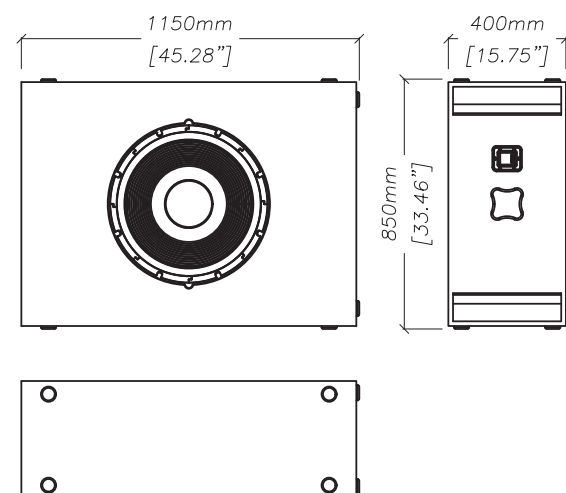
SUB-428

The dual 18" high-efficiency subwoofer, SUB-428 can cover a wide range of hall sizes. Long-excursion optimized drivers offer great sensitivity and provide the best SPL/power handling ratio in its class. The special leg design allows for easily arraying two speakers side by side.

SPL reference:

Hall size: 10,3 m / 32,8 ft long (1 pcs)
20,7 m / 67,9 ft long (2 pcs)
Max SPL at RLP: 115 dB

Frequency range (±3 dB)	31 - 150 Hz
Max sound pressure level	129,5 dB
Sensitivity (1W/1m half-space)	99,5 dB
Drivers	21"
Nominal impedance	4 / 8 Ohm
Rated power	1000 W
Connectors	Phoenix
Dimensions (WxHxD)	1150x840x400 mm / 45,28"x33"x15,75"
Net weight	71,4 kg / 156,53 lbs
Gross weight	75,4 kg / 166,23 lbs
Color	Black



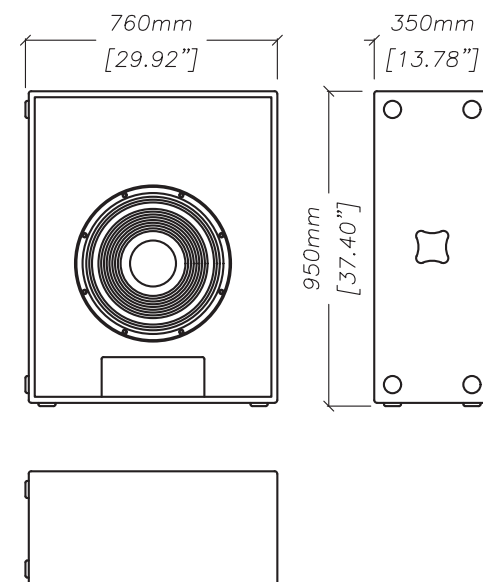
SUB-421

The 21" high-efficiency subwoofer, SUB-421 can cover a wide range of hall sizes. Long-excursion optimized driver offers great sensitivity and provides the best SPL/power handling ratio in its class. The special leg design allows for easily arraying two speakers side by side.

SPL reference:

Hall size: 8 m / 26,3 ft long (1 pcs)
15,9 m / 51,2 ft long (2 pcs)
Max SPL at RLP: 115 dB

Frequency range (±3 dB)	31 - 150 Hz
Max sound pressure level	127 dB
Sensitivity (1W/1m half-space)	96 dB
Drivers	18"
Nominal impedance	4 / 8 Ohm
Rated power	1200 W
Connectors	Phoenix
Dimensions (WxHxD)	760x950x350 mm / 29,9"x37,4"x13,78"
Net weight	51 kg / 112,4 lbs
Gross weight	55 kg / 121,3 lbs
Color	Black



V-Sub

The V-Sub is an effective low-depth cinema subwoofer specifically designed for applications where the space is limited. Equipped with a long-excursion 18-inch high-power driver, the V-Sub is capable to provide an extensive low-frequency experience even in the smallest venues.

SPL reference:

Hall size: 5,8 m / 19,0 ft long (1 pcs)
11,6 m / 36,1 ft long (2 pcs)
Max SPL at RLP: 115 dB



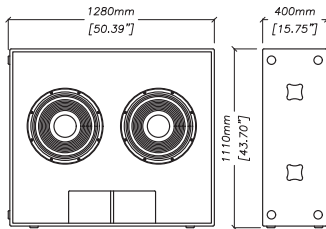
W-Sub

The W-Sub is designed for cinemas with very tight behind-screen space. It is based on long-excursion 18-inch drivers providing solid sound pressure and low-frequency performance.

SPL reference:

Hall size: 13 m / 41,7 ft long (1 pcs)
Max SPL at RLP: 115 dB

Frequency range (±3 dB)	29 - 140 Hz
Max sound pressure level	134 dB
Sensitivity (1W/1m half-space)	100 dB
Drivers	2x18"
Nominal impedance	4+4 / 8+8 Ohm
Rated power	2400 (1200 + 1200 W)
Connectors	Phoenix
Dimensions (WxHxD)	1280x1110x400 mm / 50,39"x43,7"x15,7"
Net weight	96,4 kg / 211,6 lbs
Gross weight	99,4 kg / 219,1 lbs
Color	Black



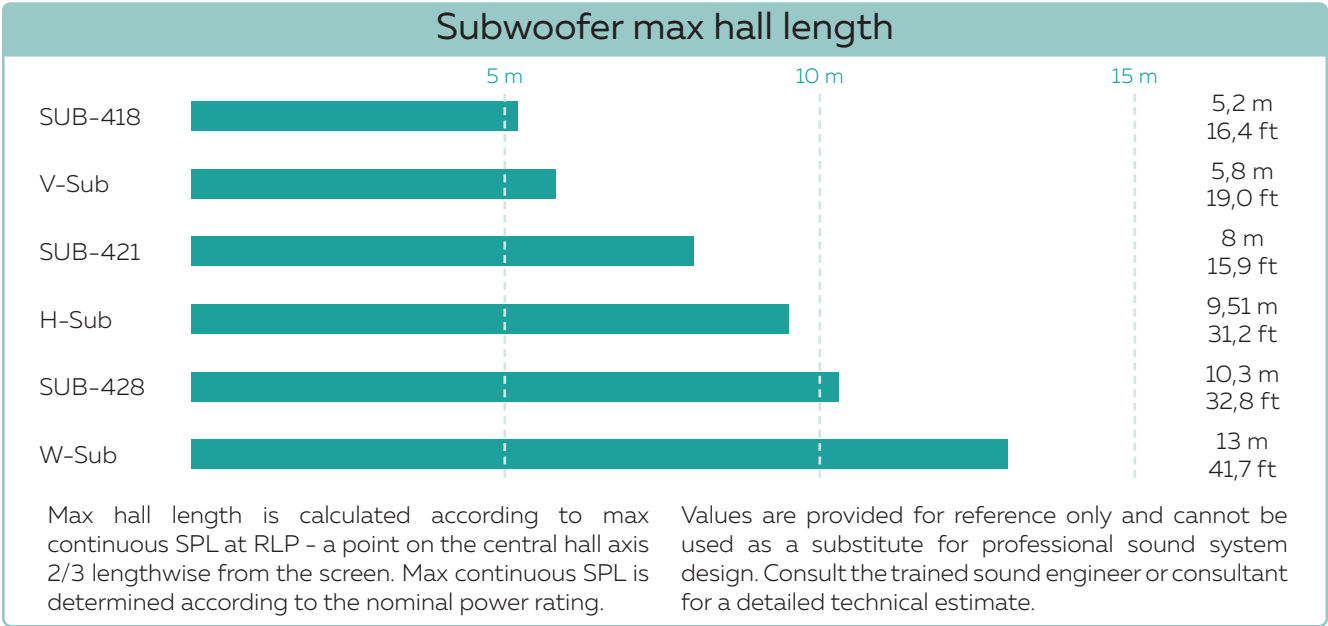
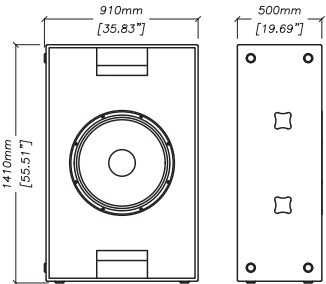
H-Sub

A new word in the cinema low-frequency reinforcement, the H-Sub is the innovative neodymium-based 24" subwoofer. It delivers incredible sound pressure with slim depth to fit into very limited behind-the-screen space.

SPL reference:

Hall size: 9,51 m / 31,2 ft long (1 pcs)
Max SPL at RLP: 115 dB

Frequency range (±3 dB)	29 - 140 Hz
Max sound pressure level	131 dB
Sensitivity (1W/1m half-space)	99 dB
Drivers	24"
Nominal impedance	4 Ohm
Rated power	1600 W
Connectors	Phoenix
Dimensions (WxHxD)	910x1410x500 mm / 35,83"x55,51"x19,69"
Net weight	87 kg / 191,8 lbs
Gross weight	96 kg / 211,6 lbs
Color	Black



THOR SUBWOOFERS

THOR 24 | THOR 24A



Your final low-frequency sound reinforcement destination, the THOR series heirs down from the worlds-famous THOR – the Ultimate Cinema Subwoofer. The next generation manifests the same unparalleled cinema experience in a more convenient and installation-friendly package. Own-produced drivers with demodulation magnet circuitry and carbon-reinforced cone offer nop-notch precision, while two versions – passive or powered – bring flexibility to the system design.

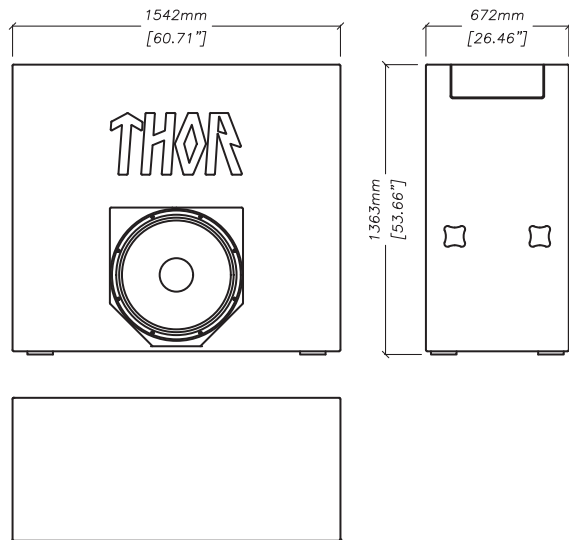


THOR 24

The younger sibling of the World's #1 Subwoofer, passive THOR 24 brings the signature sound performance into a much wider range of cinema installations. A 24" woofer with extreme linear excursion provides the core for tremendous SPL and infra-low-frequency response.

- SPL reference:**
- Hall size: 15 m / 43,9 ft long (1 pcs)
30 m / 87,7 ft long (2 pcs)
 - Max SPL at RLP: 115 dB

Frequency range (±3 dB)	18 - 120 Hz
Max sound pressure level	134 dB
Sensitivity (1W/1m half-space)	101 dB
Drivers	24"
Nominal impedance	4 / 8 Ohm
Rated power	2500 W
Connectors	Phoenix
Dimensions (WxHxD)	1542x1363x672 mm / 60,71"x53,66"x26,46"
Net weight	155 kg / 341 lbs
Gross weight	165 kg / 363 lbs
Color	Black

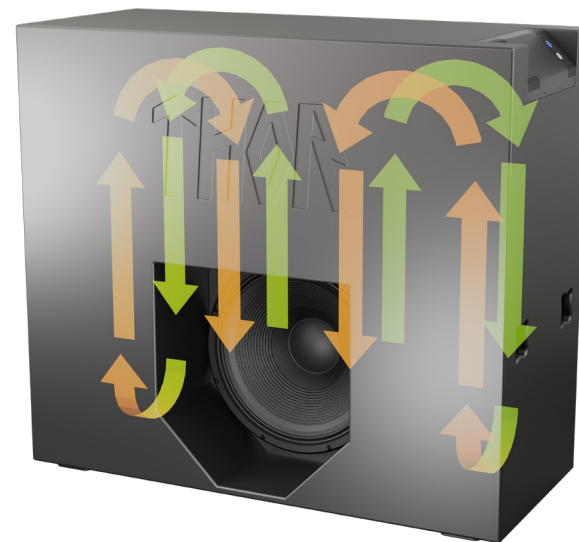
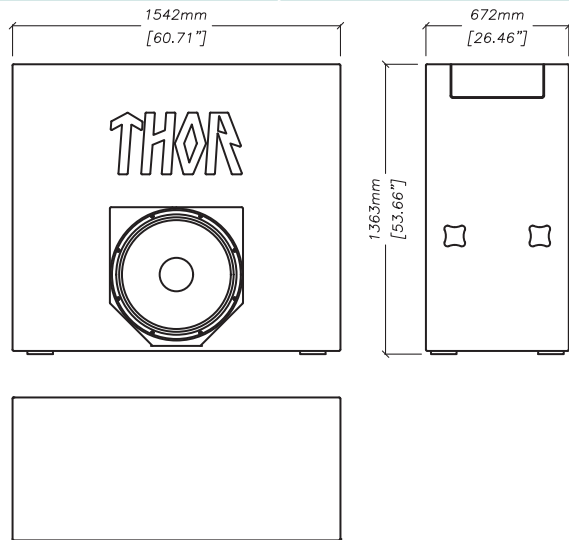


THOR 24A

THOR 24A combines the performance of THOR 24 with the convenience of a self-powered cabinet that provides advanced DSP for intricate fine-tuning. THOR 24A features an extremely powerful 24" woofer with extended linear excursion and a 3200W power amplifier.

- SPL reference:**
- Hall size: 15 m / 43,9 ft long (1 pcs)
30 m / 87,7 ft long (2 pcs)
 - Max SPL at RLP: 115 dB

Frequency range (±3 dB)	18 - 120 Hz
Max peak SPL (1W/1m)	140 dB
LF transducer	24", 4,5" voice coil
Amplifier	Class D high efficiency
Input sensitivity	+4 dBV
Nominal amplifier power	3200 W
Connectors	3-pin Phoenix input 3-pin Phoenix link PowerCon mains input PowerCon mains link
Dimensions (WxHxD)	1542x1363x672 mm / 60,71"x53,66"x26,46"
Net weight	157 kg / 346 lbs
Gross weight	165 kg / 364 lbs
Color	Black



THE ULTIMATE DRIVER

The 24" driver inhabiting the THOR series subwoofers is the pinnacle of low-frequency reinforcement technology and know-how.

The magnet system is based on the 250mm ferrite magnet ring providing massive energy for solid bottom-end performance.

The Triple Cooling Technology and large 4,5" three-layer voice coil ensures the best possible cooling and guarantees many hours of non-stop operation for years and years of carefree service.

Double Demodulation Ring Technology offers supreme control over the harmonic distortion, allowing for clean and smooth performance and precision dynamics.

A carbon fiber reinforced cone provides unparalleled stiffness and strength and at the same time lowers the component weight and improves the sensitivity.

THE ULTIMATE ENCLOSURE

A proprietary 3D tunnel cabinet design is called in to roll out the maximum output and lowest possible frequency threshold. At the same time the depth is preserved very slim so the massive box easily fits even in the very narrow space behind the screen.

The effective system of internal braces keeps the structure extremely rigid and is capable of withstanding the tremendous pressure that is mounted by the driver.

THOR 24 is easy to transport and carry as well, despite its king-size weight and dimensions: the convenient handles on each side allow for convenient handling and turning over.

The connection plates of both passive and powered versions are placed in the recessed upper side of the cabinet, so enabling convenient access for connection and maintenance for all installation scenarios.



THE ULTIMATE AMP

The powered THOR 24A subwoofer comes fitted with a top-notch class D power amplifier.

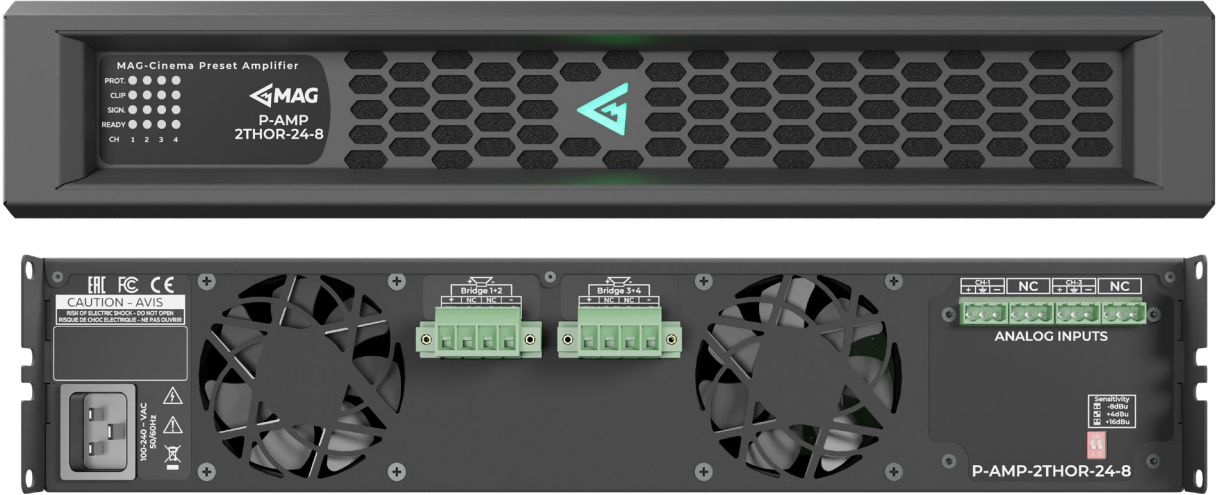
It provides advanced processing designed to get the most out of an enclosure-driver combination and bring forward the best-sounding LFE device on the planet.

With EQ, limiters, and a crossover already included, the driver receives the perfect protection from an overload or excessive signal input. With a smooth factory frequency response, the THOR 24A can easily be tuned and integrated into any cinema size and geometry.

The passive THOR 24 provides an alternative with external amplification. The P-AMP-THOR-24 series are ready-to-use rack amplifiers that already include presets for THOR 24, so you can benefit from advanced processing and guaranteed reliability with any speaker version.

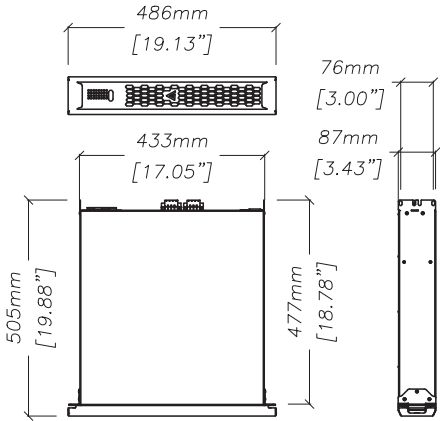


NEW!



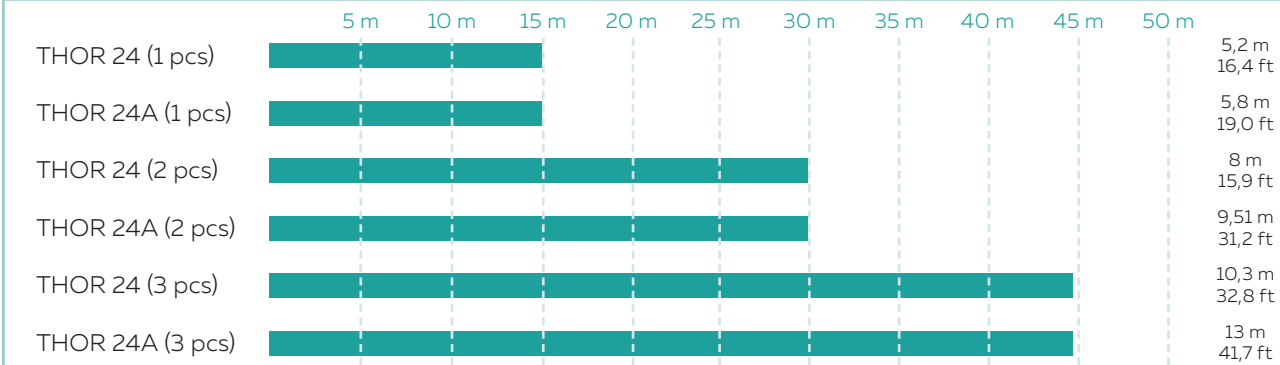
P-AMP-THOR-24 series

P-AMP-THOR-24 series is a solid foundation of a turn-key amplification solution. Each amplifier includes a built-in preset providing crossover, limiter, and speaker EQ dedicated to working with the P-AMP-THOR-24, so setting the system up is easy with minimal steps required. Every amplifier comes with Phoenix input and convenient output terminals. The input sensitivity switch helps to couple the amplifier to the cinema processor.



Nominal power:	
P-AMP-1THOR-24-8	1x 2500W (8 Ohm)
P-AMP-2THOR-24-8	2x 2500W (8 Ohm)
P-AMP-3THOR-24-8	3x 2500W (8 Ohm)
P-AMP-4THOR-24-8	4x 2500W (8 Ohm)
Frequency range	20 Hz - 20 kHz
Amplifier	Class D high efficiency
Input sensitivity	+16dBu / +4dBu / -8dBu selectable
Maximum input level	+17dBu / +5dBu / -7dBu
Input impedance	11 kOhm unbal., 22 kOhm bal.
Crosstalk separation	100 dB @ 1 kHz
THD	<0.5%
Damping factor	> 500 @ 1kHz, 8 Ohm
S/N ratio, analog	100 dB
Dimensions (W×H×D)	483 × 88 × 508 mm, 2U

THOR series max hall length



Max hall length is calculated according to max continuous SPL at RLP - a point on the central hall axis 2/3 lengthwise from the screen. Max continuous SPL is determined according to the nominal power rating.

Values are provided for reference only and cannot be used as a substitute for professional sound system design. Consult the trained sound engineer or consultant for a detailed technical estimate.



SURROUND SUBWOOFERS

F-Sub | L-Sub | XL-Sub



MAG Cinema surround subwoofers were created to back-up surround speaker channels for a better impact and immersive effect. Sleek interior-friendly cabinets come with several mounting options, for both wall and ceiling installations. High SPL speakers designed for less power draw from amplifiers assist in creating modern budget-sensitive environmentally-friendly theaters.



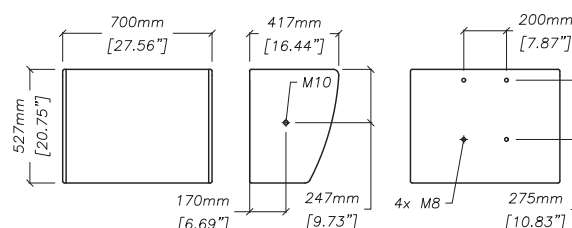
F-Sub

The F-Sub is a special subwoofer surround speaker. A powerful, effective 15" subwoofer in the wall mounted enclosure with a wall or ceiling installation option.

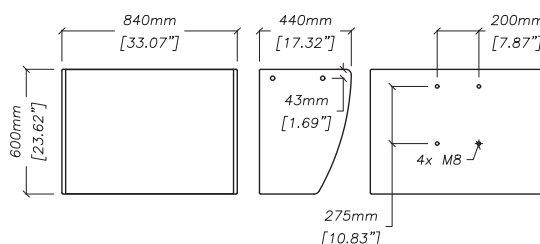
SPL reference:

Hall size: 7,7 m / 25,38 ft wide (1 pcs)
Max SPL at throw: 115 dB

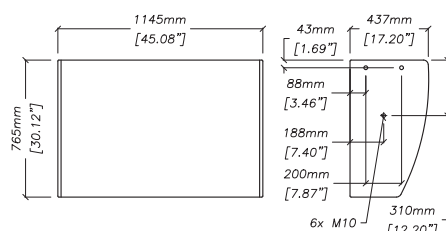
Frequency response (+3\ -6 dB)	38 - 180 Hz
Max sound pressure level	127 dB
Sensitivity (1W/1m half-space)	98 dB
Drivers	15"
Nominal impedance	4 / 8 Ohm
Rated power	750 W
Connectors	Phoenix
Dimensions (WxHxD)	700x527x417 mm / 27,56"x20,75"x16,42"
Net weight	36 kg / 79,3 lbs
Gross weight	41 kg / 90,4 lbs
Grill	Steel safety grill
Color	Black



Frequency response (+3\ -6 dB)	36 - 160 Hz
Max sound pressure level	131 dB
Sensitivity (1W/1m half-space)	100 dB
Drivers	18"
Nominal impedance	4 / 8 Ohm
Rated power	1200 W
Connectors	Phoenix
Dimensions (WxHxD)	840x600x440 mm / 33,1"x23,62"x17,32"
Net weight	50 kg / 110,2 lbs
Gross weight	55 kg / 121,3 lbs
Grill	Steel safety grill
Color	Black



Frequency response (+3\ -6 dB)	31 - 150 Hz
Max sound pressure level	137 dB
Sensitivity (1W/1m half-space)	103 dB
Drivers	2x18"
Nominal impedance	4+4 / 8+8 Ohm
Rated power	2400 W (1200 + 1200 W)
Connectors	Phoenix
Dimensions (WxHxD)	1145x765x437 mm / 45,08"x30,12"x17,2"
Net weight	80 kg / 176,4 lbs
Gross weight	85 kg / 187,4 lbs
Grill	Steel safety grill
Color	Black



XL-Sub

The F-Sub is a special subwoofer surround speaker. A powerful, effective 15" subwoofer in the wall mounted enclosure with a wall mount bracket installation option.

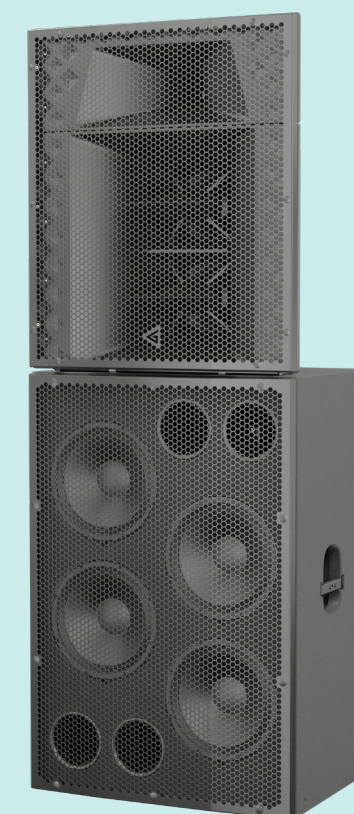
SPL reference:

Hall size: 38,9 m / 80,8 ft long (1 pcs)
Max SPL at throw: 115 dB



OUTDOOR SERIES

SCR-35-IP | SCR-42-IP | SUB-D-IP | SUB-DH-IP



MAG Cinema's World Famous professional cinema quality is finally available outdoor cinema applications! The new line of IP54 speakers for large open-air cinemas is protected from rain, moisture, dust, and unauthorized access. Time-proven driver designs have improved weather protection. Every speaker is powered using the professional Speakon connectors allowing for convenient and fast system assembly.



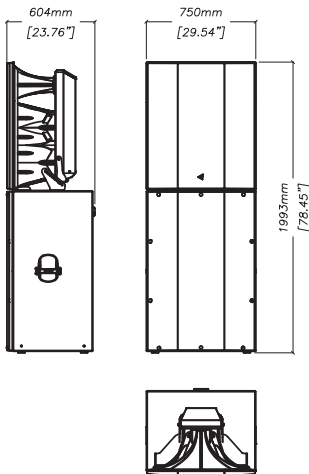
NEW!

SCR-35-IP

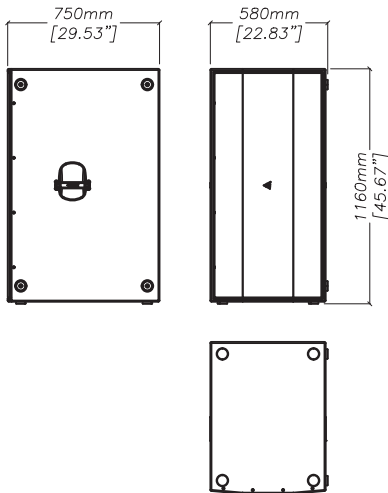
SCR-35-IP is a powerful open-air cinema screen speaker. It is loaded with 3x15" + 2"8" + 1,5" weather-protected drivers, covered with rigid frontal grills. Driver's backs are also shielded from elements and unauthorized access, while the Speakon connector offers a simple

SPL reference:
 Hall size: 5,2 m / 16,4 ft long (1 pcs)
 10,3 m / 32,8 ft long (2 pcs)
 Max SPL at RLP: 115 dB

Frequency range (-6/+3 dB)	40 - 18000 Hz
Max sound pressure level	132 dB
Sensitivity (1W/1m half-space)	103,5 dB LF 106,5 dB MHF Bi-amp 106,5 dB MF / 110 dB HF Tri-amp
Drivers	3x15" + 2x8" + 1,5"
Nominal impedance	4 Ohm LF 4 Ohm MHF Bi-amp 4 Ohm MF / 8 Ohm HF Tri-amp
Rated power	600 W LF / 300 W MHF Bi-amp / 200 W MF / 100 W HF Tri-amp
Connectors	Phoenix
Dimensions (WxHxD)	750x1993x604 mm / 29,53"x78,48"x23,76"
Net weight	123,8 kg / 273 lbs
Gross weight	126,8 kg / 280 lbs
Color	Black



Frequency range (±3 dB)	33 - 150 Hz
Frequency range (±10 dB)	31 - 300 Hz
Max sound pressure level	131,8 dB
Sensitivity (1W/1m half-space)	101 dB
Drivers	2x 18", 3" VC
Nominal impedance	4+4 / 8+8 Ohm
Rated power	600 + 600 W
Connectors	Phoenix
Dimensions (WxHxD)	580x1160x750 mm / 22,8"x45,7"x29,5"
Net weight	76 kg / 168 lbs
Gross weight	79 kg / 174 lbs
Color	Black



NEW!

SUB-D-IP

A dual 18" outdoor subwoofer, SUB-D is a powerful addition to your open-air cinema. It is equipped with long-excursion weather-protected drivers capable of up to 131,8 dB SPL from a single cabinet. The enclosure comes with convenient handles and easy-to-use Speakon connectors.

SPL reference:
 Hall size: 10,3 m / 32,8 ft long (1 pcs)
 20,7 m / 67,9 ft long (2 pcs)
 Max SPL at RLP: 115 dB



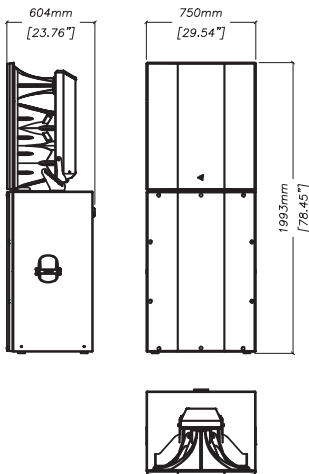
NEW!

SCR-42-IP

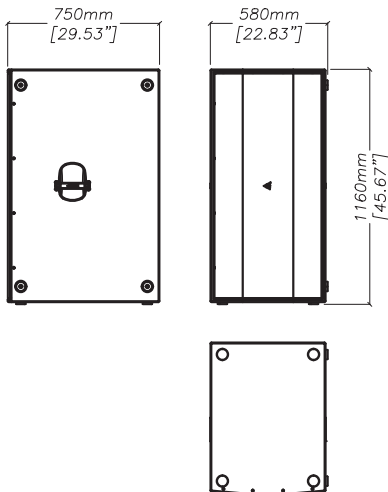
SCR-42-IP is a powerful open-air cinema screen speaker. It is loaded with 4x12" + 2"8" + 1,5" weather-protected drivers, covered with rigid frontal grills. Driver's backs are also shielded from elements and unauthorized access, while the Speakon connector offers a simple

SPL reference:
 Hall size: 8 m / 26,3 ft long (1 pcs)
 15,9 m / 51,2 ft long (2 pcs)
 Max SPL at RLP: 115 dB

Frequency range (-6/+3 dB)	38 - 18000 Hz
Max sound pressure level	134 dB
Sensitivity (1W/1m half-space)	104 dB LF 108 dB MHF Bi-amp 108 dB MF / 110 dB HF Tri-amp
Drivers	4x12" + 2x8" + 1,5"
Nominal impedance	4 Ohm LF 4 Ohm MHF Bi-amp 4 Ohm MF / 8 Ohm HF Tri-amp
Rated power	1000 W LF / 400 W MHF Bi-amp 300 W MF / 100 W HF Tri-amp
Connectors	Phoenix
Dimensions (WxHxD)	750x1993x604 mm / 29,53"x78,48"x23,76"
Net weight	124,2 kg / 274 lbs
Gross weight	127,2 kg / 280 lbs
Color	Black



Frequency range (±3 dB)	32 - 140 Hz
Frequency range (±10 dB)	30 - 280 Hz
Max sound pressure level	133,8 dB
Sensitivity (1W/1m half-space)	100 dB
Drivers	2x 18", 4" VC
Nominal impedance	4+4 / 8+8 Ohm
Rated power	1200 + 1200 W
Connectors	Phoenix
Dimensions (WxHxD)	580x1160x750 mm / 22,8"x45,7"x29,5"
Net weight	80 kg / 176 lbs
Gross weight	83 kg / 183 lbs
Color	Black

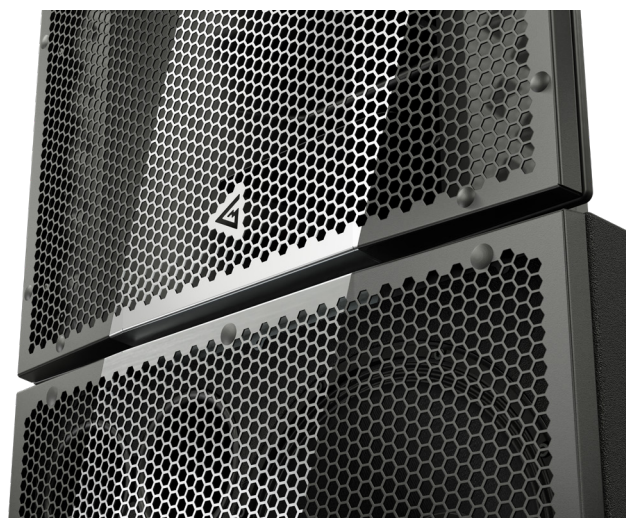


NEW!

SUB-DH-IP

A dual 18" outdoor subwoofer, SUB-DH is a powerful addition to your open-air cinema. It is equipped with long-excursion weather-protected drivers capable of up to 133,8 dB SPL from a single cabinet. The enclosure comes with convenient handles and easy-to-use Speakon connectors.

SPL reference:
 Hall size: 5,8 m / 19,0 ft long (1 pcs)
 11,6 m / 36,1 ft long (2 pcs)
 Max SPL at RLP: 115 dB



IP54 RATED

The Outdoor Series is developed to withstand all the weather mother nature can come up with. For this, speakers were made with ultimate protection from the elements, and unauthorized access.

Frontal grills are protecting the speakers from mechanical damage during transportation, handling, or the show itself. The grills themselves are made using high-carbon stainless steel and covered with heavy-duty powder coating, ready to resist moisture, water, sand, or snow.

The wooden cabinets are made exclusively from touring-grade water-resistant plywood and covered with scratch-resistant water-based paint.

Mid- and high-frequency drivers are shielded with a solid metal cover, preventing any possibility of water entering inside, or misuse or tempering from unauthorized personnel.

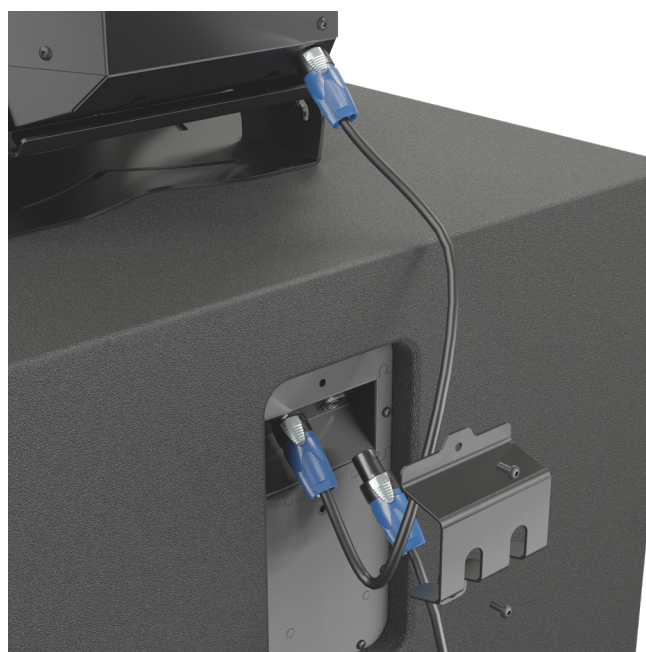
SECURE CONNECTION

The connection of the Outdoor series has gone through a complete overhaul given the need for transportation and quick setup. Connectors, cabling, and protection are created with reliability and ergonomics in mind. Additional thoughts were put to make sure the connection is weather-proof and secure against tampering or unauthorized access.

Professional rental and touring Speakon connectors are providing easy and secure breakable connection, perfect for the frequent setting and packing of the system. Speakon connectors are placed on the sloped surface, which eliminates the possibility of water entering the connector.

Additional metallic cover shields connectors from being tempered, and provide extra cover from the rain. The cover can be removed for wiring and then conveniently placed back using a pair of hex bolts.

The connection of screen speakers allows for three-way operation, while separate wiring of each of the subwoofers' drivers allows one to connect them to independent amplifier channels.



TAYLORED DRIVERS

The secret behind the MAG Cinema's signature sound quality – its proprietary driver technology and know-how – is put to the test in the Outdoor Series cinema speakers: to preserve the same premium performance found in indoor cinemas along with the ultimate protection required for intensive everyday open-air use.

Moving system components – cones, dust caps, and surrounds – are treated with water-repellant material, preventing the water from accumulating on the surface and deteriorating the quality and reliability of the material.

Magnetic systems match the level of weather immunity with additional coats of water-repellants. This prevents rust from accumulating in humid and rainy environments. Sound clarity is enhanced by using demodulation rings that lower distortion, at the same time providing better cooling for the voice coil. This gives the speakers an extra edge in their fight against the oppressive hot weather.



AMPLIFIERS & ELECTRONICS

AQ-3000 | AQ-4000 | AQ-8000

AO-6000 | AO-8000 | AO-16000

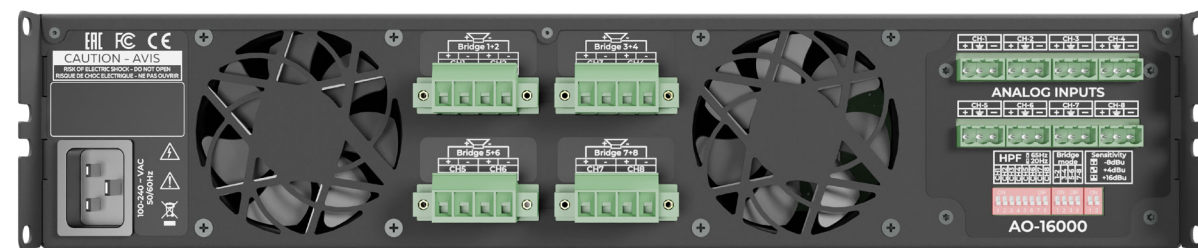
IO BOX 4 | MA-36

TSAP-8 | TSAP-16 | TSAP-24 | TSAP-650

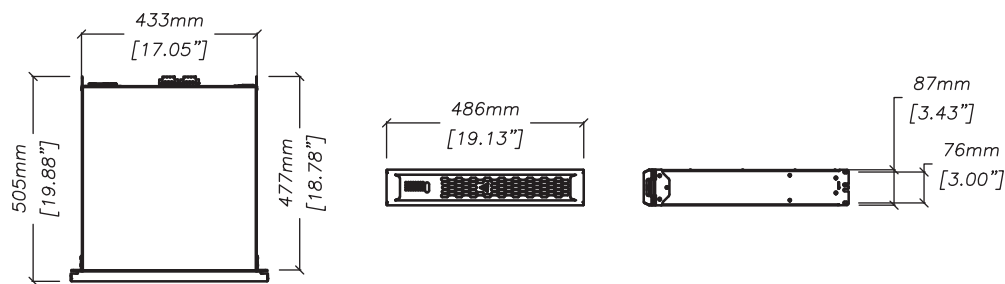


MAG's ANALOG series presents an ultimate range of professional cinema amplifiers. They come in 4 or 8-channel versions providing different power options within the same compact 2U rack height. Hybrid versions provide various power on each channel to tailor amplifier needs per project to cut down the costs.

Signal processing options transform the possibilities of power amplifiers into a full turnkey solution. Providing digital and analog inputs, digital-to-analog conversion, and signal processing, these devices are highly appraised for their sound quality, reliability, and extensive capabilities.



ANALOG SERIES



AQ-3000	
4 ohm	4x750 W
8 ohm	4x375 W
16 ohm	4x190 W
8 ohm bridge	2x1400 W
16 ohm bridge	2x800 W
AQ-4000	
4 ohm	4x1000 W
8 ohm	4x500 W
16 ohm	4x250 W
8 ohm bridge	2x2000 W
16 ohm bridge	2x1000 W
AQ-8000	
4 ohm	4x2000 W
8 ohm	4x1000 W
16 ohm	4x600 W
8 ohm bridge	2x3000 W
16 ohm bridge	2x2000 W
AO-6000	
4 ohm	8x750 W
8 ohm	8x375 W
16 ohm	8x190 W
8 ohm bridge	4x1400 W
16 ohm bridge	4x800 W

AO-8000	
4 ohm	8x1000 W
8 ohm	8x500 W
16 ohm	8x250 W
8 ohm bridge	4x2000 W
16 ohm bridge	4x1000 W
AO-16000	
4 ohm	8x2000 W
8 ohm	8x1000 W
16 ohm	8x500 W
8 ohm bridge	4x3000 W
16 ohm bridge	4x2000 W

Misc. parameters	
Frequency range	20 Hz - 20 kHz
Amplifier	Class D high efficiency
Input sensitivity	+16dBu / +4dBu / -8dBu selectable
Maximum input level	+17dBu / +5dBu / -7dBu
Input impedance	11 kOhm unbal., 22 kOhm bal.
Crosstalk separation	100 dB @ 1 kHz
THD	<0.5%
Damping factor	> 500 @ 1kHz, 8 Ohm
S/N ratio, analog	100 dB
Dimensions (W×H×D)	483 × 88 × 508 mm / 19"x3,5"x20"



IO BOX 4

IO BOX 4 is an input-output interface device providing additional connectivity for the cinema sound system. The microphone input is used for real-time announcements and emergency messages, while provided unbalanced and balanced inputs are used to connect additional signal sources to the system. IO BOX 4 is directly controlled by IP connection through WEB UI and receives automation for integration with TMS.

Frequency range	20 Hz - 20000 Hz
Microphone input	XLR female
Microphone switch	Microphone in on/off
Microphone input HPF	100 Hz 12 dB/oct switchable
Microphone input phantom supply	+48 V switchable
Microphone input max gain	+60 dB
Non-sync in	2x XLR female front 2x RCA rear switchable
Analog unbal. 7.1. input	8x RCA
Analog H/I output	1x RCA
Analog V/I output	1x RCA
Monitoring output L+C+R summed	1x RCA
Analog bal. output	8x 3 pin Phoenix
AES3 in	1x RJ-45
RS 485 / Ethernet in	1x RJ-45
Input selector	Non-sync / 7.1 Analog / AES3
Mains plug	C14
Mains nominal voltage	90V - 265V / 50-60Hz
Max. power consumption	10W
Operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Maximum operating altitude	10,000 ft. (3,000m) above sea level
Rack height	1U
Dimensions (WxHxD)	483x44x197 mm / 19"x1,72"x7,74"
Shipping dimensions (WxHxD)	533x266x76 mm / 21"x 10,5"x3"
Net weight	2,6 kg / 4,4 lbs
Shipping weight	3,7 kg / 6,6 lbs



MA36

Convenient MA36 speaker processor features 3 inputs / 6 outputs, 24-bit A/D, and D/A converters with 32-bit DSP. It can be easily connected using USB or RS-485 ports and controlled with a software suite. It provides numerous speaker control functions, including EQ, limiter, delay, matrix input-to-output routing, and more. Featuring a premium signal-to-noise ratio and advanced limiting possibilities, MA36 helps to create a comfortable listening experience, as well as superior protection for speaker systems. MA36 is very lightweight with a mere 4,1 kg and 1U height and is perfectly suitable for commercial cinema and professional audio-visual applications.

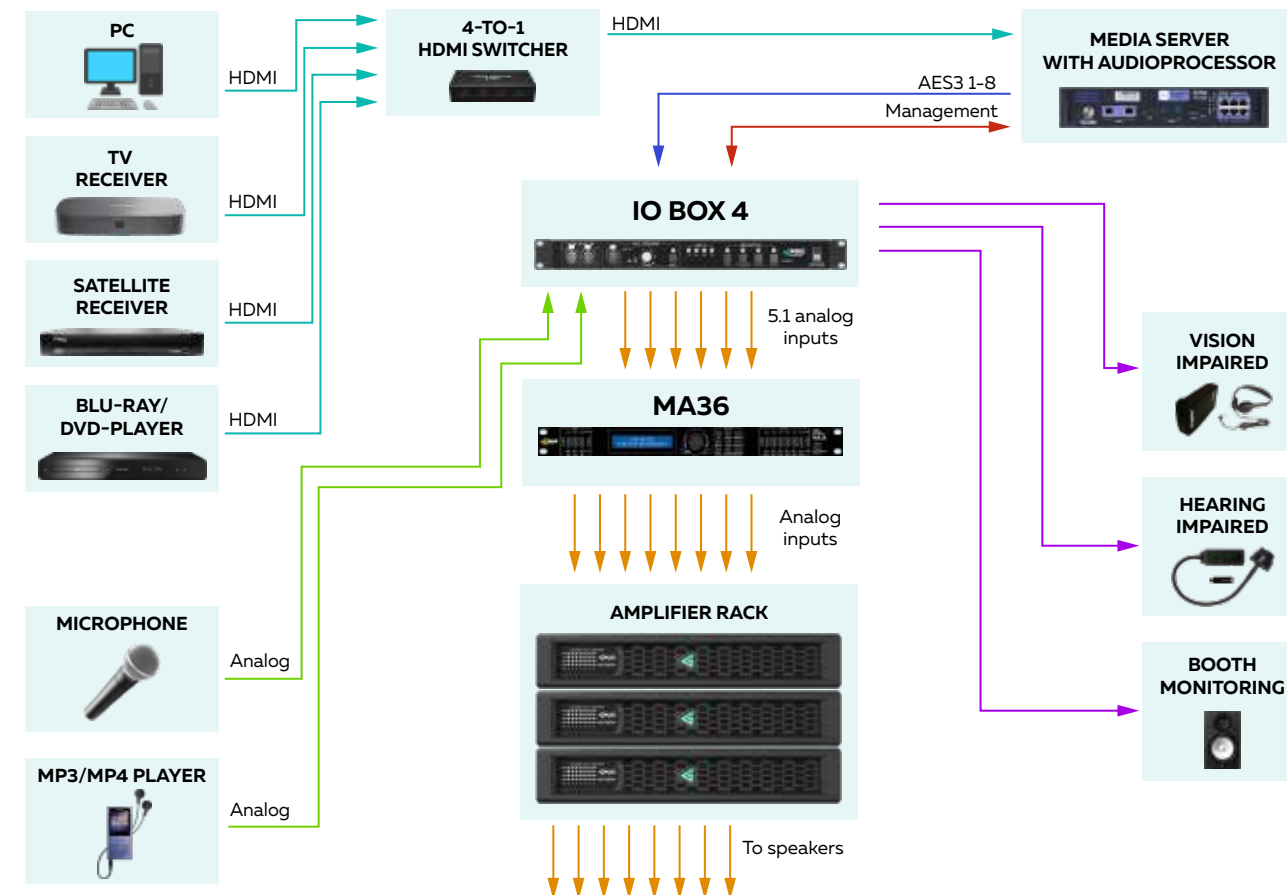
Frequency range	20 Hz - 20000 Hz
Output channels	6 outputs, Male XLR
Input Impedance	20 kOhm balanced
Output Impedance	10 kOhm balanced
Input functions	Independent input mutes Delay 0-1000ms Polarity switch 6 band parametric EQ
Output functions	Independent output mutes Output channel matrix Output gain Output delay 0-1000ms Polarity switch Crossover (LR, BS, BW, 12-48 dB/oct) Parametric limiter 6 band parametric EQ, including Lo-shelf/Hi-shelf
Processor	96 kHz, 32-bit
Display	2x24 LCD, 8-LED In/Out level
Power consumption	<= 25W
Dimensions (W×D×H)	482×232×44 mm / 19"x9,1"x1,73"
Net weight	4.1 kg / 8,8 lbs
Shipping weight	5 kg / 11 lbs



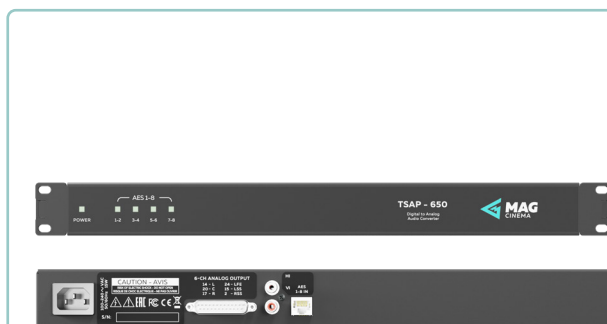
TSAP-8 TSAP-16 TSAP-24

TSAP is a series of digital-to-analog converters, which give the possibility to connect a cinema processor with only analog inputs to digital cinema server output or to use the internal processor of the server. Up to 12 AES/EBU digital audio inputs are accepted through RJ-45 sockets. Output is served via easily accessed Phoenix sockets. Front panel LED indicators show signal presence on each AES3 pair.

Frequency range	20 Hz - 20000 Hz
Digital AES3 inputs (RJ-45)	1x (TSAP-8) 2x (TSAP-16) 3x (TSAP-24)
3-pin balanced Phoenix analog output:	8x (TSAP-8) 16x (TSAP-16) 24x (TSAP-24)
Indication	AES/EBU signal presence Power indicator
Mains plug	C14
Mains nominal voltage	100V - 240VAC / 50-60Hz
Max. power consumption	15W
Rack height	1U
Dimensions (WxHxD)	483 x 44 x 190 mm 19,02" x 1,72" x 7,47"
Shipping dimensions (WxHxD)	550 x 70 x 290 mm 21,65" x 2,76" x 11,42"
Mains cable options:	Type F - C13 Type B - C13 Type G - C13 Type I - C13 Type M - C13
Net weight	2,3 kg / 5 lbs
Shipping weight	3,4 kg / 7,5 lbs



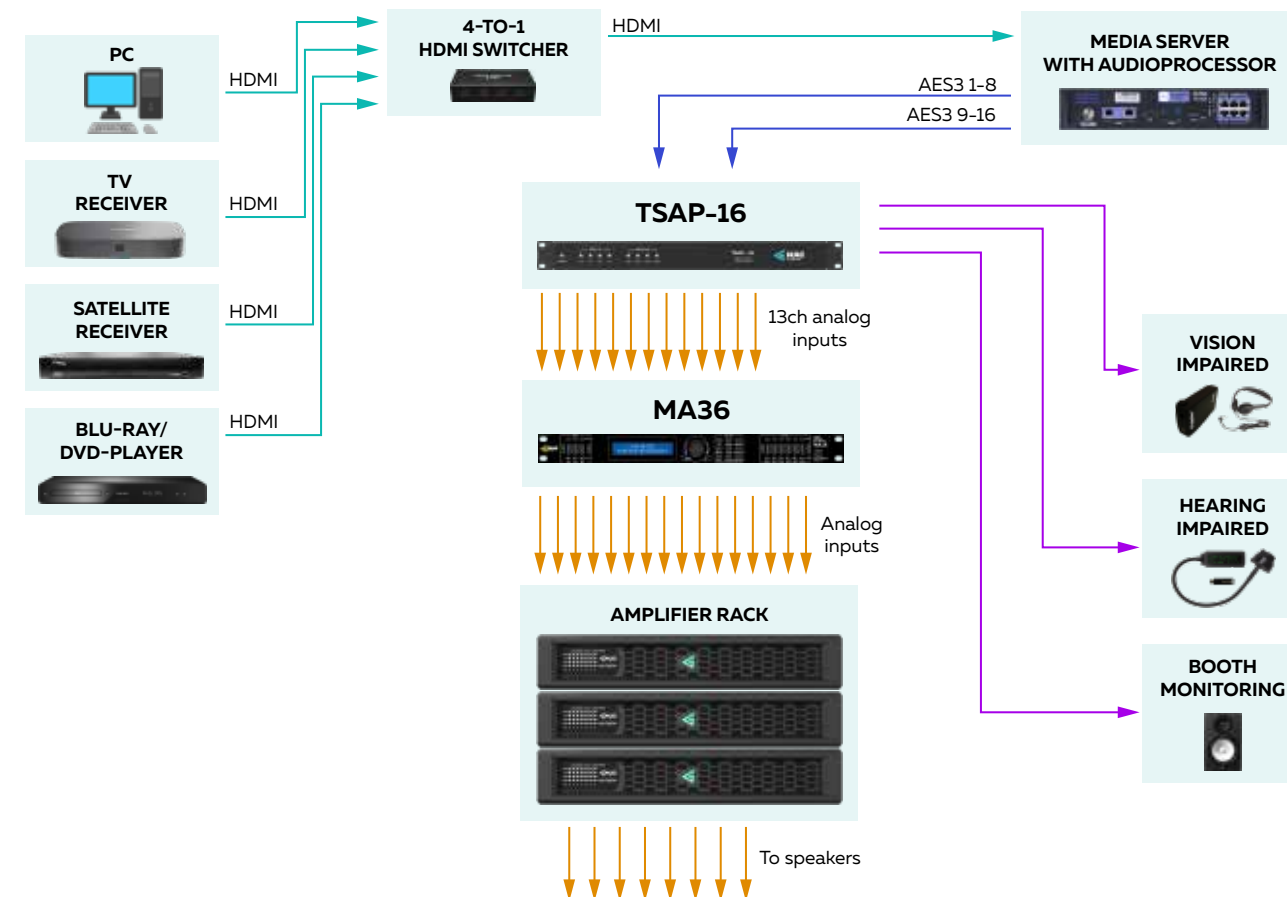
Example system: 5.1 with HI/VI, monitor outputs and Non-sync, microphone inputs



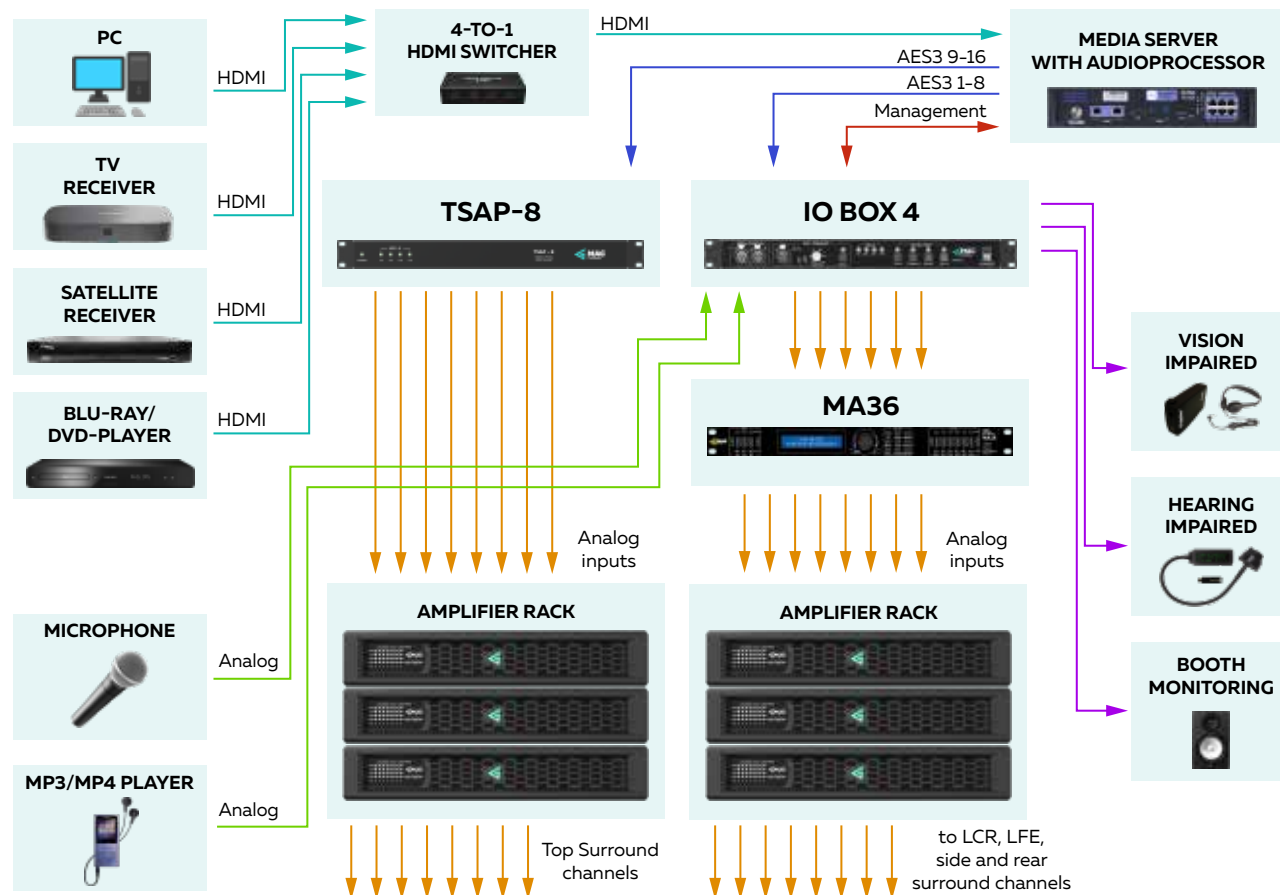
TSAP-650

TSAP-650 is a digital-to-analog converter designed specifically for interface with Dolby CP650 cinema processor. The signal is received using the RJ-45 connector. Output is served via 25-pin DB-25 male connector with the pinout matching CP650 processor. Hearing impaired (HI) and visually impaired (VI) RCA connectors provide analog outputs that are typically transmitted via AES channels 7 and 8. Front panel LED indicators show signal presence on each AES/EBU pair.

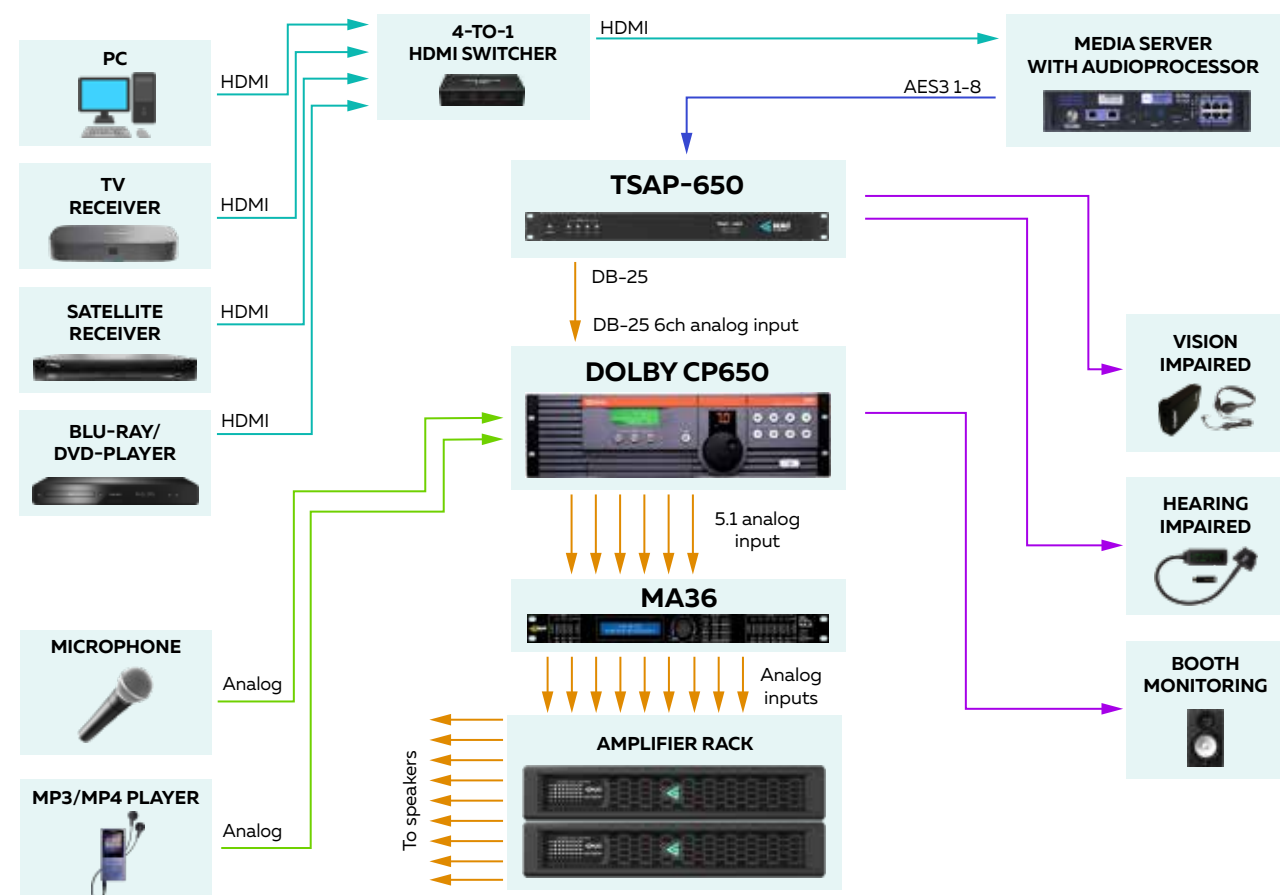
Frequency range	20 Hz - 20000 Hz
Digital AES3 input	1x RJ-45
Analog output	DB25 male
DB25 pinout	14 - L 20 - C 17 - R 24 - LFE 15 - LSS 2 - RSS
Hearing Impaired (HI) output	RCA, taken from AES3 channel 7
Visually Impaired (VI) output	RCA, taken from AES3 channel 8
Indication	AES3 signal presence Power indicator
Mains plug	C14
Mains nominal voltage	100V - 240VAC / 50-60Hz
Max. power consumption	15W
Rack height	1U
Dimensions (WxHxD)	483 x 44 x 190 mm 19,02" x 1,72" x 7,47"
Shipping dimensions (WxHxD)	550 x 70 x 290 mm 21,65" x 2,76" x 11,42"
Mains cable options:	Type F - C13 Type B - C13 Type G - C13 Type I - C13 Type M - C13
Net weight	2,3 kg / 5 lbs
Shipping weight	3,4 kg / 7,5 lbs



Example system: immersive sound with HI/VI and monitor outputs



Example system: 5.1 with HI/VI, monitor outputs and Non-sync, microphone inputs



Example system: 5.1 using CP650 processor with HI/VI, monitor outputs and Non-sync, microphone inputs



key benefits:

10 years warranty*

Each MAG Cinema system is going through a rigorous series of testing and QC procedures to provide customers with 10 years warranty including a 1 year of unprecedented full warranty.

Superior performance & reliability

All components of our production go through redundant magnetic system optimization while moving system components are carefully tested for utmost reliability.

Optimal amplifier usage

MAG Cinema systems are designed for the maximum sensitivity and efficiency factor. This brings the necessary amplifier power rating down along with the overall project costs.

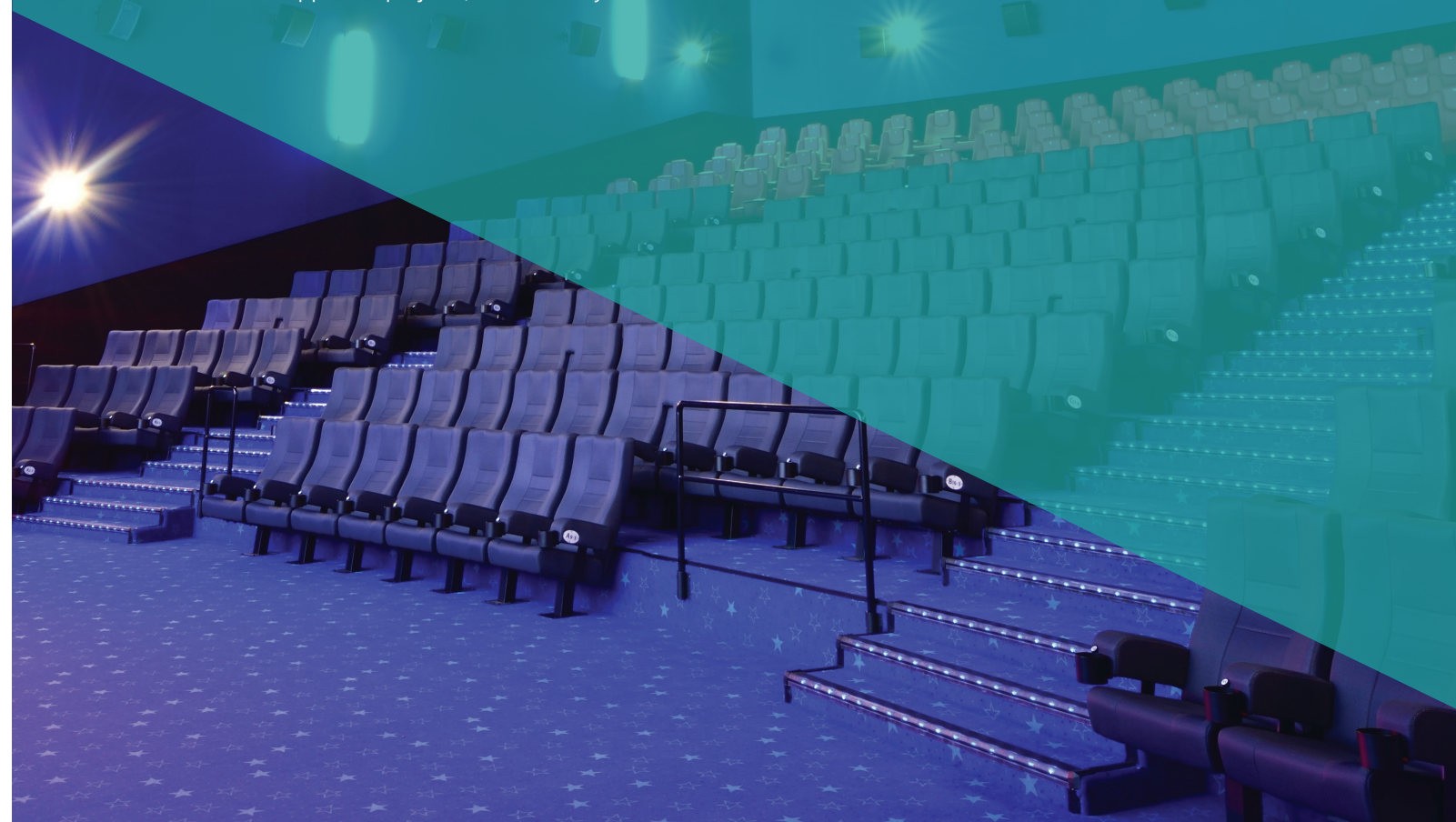
ECO friendly

Less power consumption means a lower requirement for the electrical network, as well as fewer expenses for additional cooling, resulting in a much more environmentally friendly operation.

Ready for shipping

Lead times are very short. Our equipment is always ready to ship on short notice. Packaging dimensions are optimal for standard shipping methods, resulting in less overall costs.

* - in case of MAG approved projects, otherwise 7 years





Download me

2 Merezhna str., Bila Tserkva,
Kyiv region, 09100, Ukraine
Tel./Fax.: +38 044 2774789
e-mail: info@mag-cinema.com
www.mag-cinema.com

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