

PRO AUDIO SYSTEM



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PRODUCT CATALOG

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AEX System Professional Audio Solution

High-quality audio redefined. Elevate your experience to the next level with precision and unparalleled sound. Welcome to a new standard in audio excellence.



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Wireless Microphone

Introducing our Wireless Microphones line-up – experience the ease of ready-to-use, plug-and-play functionality, ensuring high-quality audio without the hassle of numerous cables for a clean and streamlined setup.

MX 02-H | 2 Channel - Wireless Microphone System - Handheld Microphone

MX 04-H | 4 Channel - Wireless Microphone System - Handheld Microphone

MX 08-H | 8 Channel - Wireless Microphone System - Handheld Microphone

The MX-H Series from AEX System delivers professional-grade wireless audio with high-performance handheld microphones. Available in 2, 4, or 8-channel configurations, this series is engineered for clarity and reliability in live performances, conferences, and public address systems. The microphones feature a robust full-alloy body and ergonomic design for comfortable use during long events. Utilizing UHF frequency band with advanced

DPLL technology, the MX-H Series provides stable, interference-free transmission with up to 200 selectable channels. The system ensures seamless operation with infrared auto-channel tracking and system lock function. A high-resolution LCD screen displays vital information, while the receiver's XLR and 6.3mm outputs offer versatile connectivity. With an 80-meter operating distance, the MX-H Series offers exceptional freedom and pristine audio quality.



MX 02-H



MX 04-H



MX 08-H



Wireless Microphone

MX 02-L | 2 Channel - Wireless Microphone System - Lavalier Microphone

MX 04-L | 4 Channel - Wireless Microphone System - Lavalier Microphone

MX 08-L | 8 Channel - Wireless Microphone System - Lavalier Microphone

The MX-L Series from AEX System offers a discreet and professional wireless audio solution with its high-quality lavalier microphones. Ideal for broadcasting, interviews, and presentations where hands-free operation is essential, this series is available in 2, 4, or 8-channel models. The compact and lightweight bodypack transmitter ensures comfort and mobility. Operating on the UHF frequency band with advanced DPLL technology, the MX-L Series guarantees clear

and stable audio with up to 200 selectable channels. Features like infrared auto-channel tracking and a system lock function simplify setup and prevent interruptions. The receiver includes both XLR and 6.3mm outputs for seamless integration with any audio setup. With a working distance of up to 80 meters, the MX-L Series provides reliable, high-quality audio for any professional application.



MX 02-L



MX 04-L



MX 08-L

Wireless Microphone

MX 02-B | 2 Channel - Wireless Microphone System - Headset Microphone

MX 04-B | 4 Channel - Wireless Microphone System - Headset Microphone

MX 08-B | 8 Channel - Wireless Microphone System - Headset Microphone

Experience unparalleled freedom with the MX-B Series from AEX System, featuring high-performance wireless headset microphones. Designed for fitness instructors, presenters, and performers requiring hands-free audio, this series is available in 2, 4, or 8-channel systems. The lightweight headset is paired with a compact bodypack transmitter, ensuring reliable performance during active use. The MX-B Series operates on UHF frequency band

with advanced DPLL technology, offering up to 200 selectable channels for crystal-clear, interference-free audio. Seamless synchronization is achieved through infrared auto-channel tracking and system lock function. The receiver's versatile output options, including XLR and 6.3mm connectors, allow easy integration into any professional audio system. With an 80-meter operating range, the MX-B Series delivers exceptional audio quality and flexibility.



MX 02-B



MX 04-B



MX 08-B



Wireless Microphone

MX 02-D | 2 Channel - Wireless Microphone System - Desktop Microphone

MX 04-D | 4 Channel - Wireless Microphone System - Desktop Microphone

MX 08-D | 8 Channel - Wireless Microphone System - Desktop Microphone

The MX-D Series from AEX System provides a sophisticated wireless desktop microphone solution for modern conference rooms, boardrooms, and meeting spaces. Available in 2, 4, or 8-channel configurations, this series combines elegant design with exceptional audio performance. The supercardioid condenser microphones capture speech with remarkable clarity, while the 420mm replaceable mic rod offers flexibility. The desktop base

features a 2-inch color screen and convenient Type-C charging port. Operating on UHF frequency band with advanced DPLL technology, the MX-D Series ensures stable, interference-free communication with up to 200 selectable channels. The system includes infrared auto-channel tracking and system lock for reliable operation. With a pickup distance of 1.5 meters and 80-meter operating range, the MX-D Series is ideal for professional meeting environments.



MX 02-D



MX 04-D



MX 08-D

Wireless Microphone

MX Series Receiver

	MX 02	MX 04	MX 08
Operating Frequency	UHF 640.250MHz-690MHz (usable frequencies depend on local regulations e.g 800-850MHz)		
Modulation Mode	Wideband FM		
Channel Count	200		
Frequency Stability	±0.005%		
Dynamic Range	100dB		
Deviation	±45kHz		
Signal-to-Noise Ratio	>105dB		
Total Harmonic Distortion	≤0.5%		
Operating Distance	80m (ideal conditions)		
Operating Temperature	-10°C~+50°C		
Receiver Type	Dual Conversion Superheterodyne		
Intermediate Frequency	1st IF: 110MHz, 2nd IF: 10.7MHz		
Antenna Input	2 x BNC / 50Ω	4 x BNC / 50Ω	8 x BNC / 50Ω
Sensitivity	12dB V (80dB S/N)		
Sensitivity Adjustment Range	12-32dB V		
Spurious Suppression	≥75dB		
Audio Output Level	+10dBV		
Audio Output Connectors	2 x XLR balanced, 6.3mm unbalanced	4 x XLR balanced, 6.3mm unbalanced	8 x XLR balanced, 6.3mm unbalanced
Power Supply	220VAC/50-60Hz, 12VDC/1A		
Operating Current	DC 12V, 330mA		
Dimensions (W x H x D)	420 x 47 x 184 mm	420 x 47 x 184 mm	420 x 150 x 184 mm
Net Weight	Approx. 1.4Kg	Approx. 1.8Kg	Approx. 2.3Kg

MX Series Handheld Microphone

	MX 02-H / MX 04-H / MX 08-H
Microphone Type	Dynamic
Directional Pattern	Unidirectional
Output Impedance	600Ω ±30%
Sensitivity	-53dB ±3dB (0dB=1V/Pa at 1kHz)
Frequency Response	80Hz-10kHz
Carrier Frequency Range	UHF 640.250MHz-690MHz (usable frequencies depend on local regulations e.g 800-850MHz)
Oscillation Mode	PLL phase-locked frequency synthesis
Transmission Power	3mW/30mW
Carrier Deviation	0.5kHz
Harmonic Radiation	More than 45dB below the main wave
Modulation Mode	FM modulation
Maximum Input Sound Pressure	-11dBV
Frequency Setting	IR Sync
Power Supply	2 x AA 1.5V alkaline batteries
Battery Life	>10 hours at 30mW, >15 hours at 3mW
Net Weight	Approx. 280g (excluding batteries)

Wireless Microphone

MX Series Lavalier and Headset Microphone

	MX 02-L / MX 04-L / MX 08-L	MX 02-B / MX 04-B / MX 08-B
Microphone Type	Lavalier Microphone	Headset Microphone
Color	Black	Black
Pickup Pattern	Unidirectional	Unidirectional
Sensitivity	-40.5dB±2dB	-47dB±2dB
Output Impedance	≤2.2kΩ	≤2.2kΩ
Signal-to-Noise Ratio	≥59dB	≥58dB
Microphone Size	Dia. 4.0 X 1.5mm	Dia. 6.0 X 5.0mm
Frequency Response	20Hz~18kHz	45Hz~18kHz
Supply Voltage	2~10V.DC	2~10V.DC
Cable Length	1m	1m
Body Pack Transmitter		
Carrier Frequency Range	UHF 640.250MHz~690MHz	
Oscillation Mode	PLL Frequency Synthesis Technology	
Harmonic Radiation	Less than 45dBm above main wave	
Maximum Deviation	±45KHz	
Input Socket	3-pin mini XLR socket	
RF Power Output	10mW/40mW	
Battery	AAx2	
Current Consumption	110mA (typical)	
Battery Life	Approx. 11 hours	
Dimensions (H x W x D)	84 x 66 x 23 mm	
Weight (without battery)	Approx. 155g	

MX Series Desktop Microphone

	MX 02-D / MX 04-D / MX 08-D
Microphone Type	Supercardioid Condenser
Frequency Response	80Hz-16kHz
Microphone Input Impedance	1KΩ
Sensitivity	-46dBV/Pa
Maximum SPL	100dB (THD>3%)
Signal-to-Noise Ratio	>80dB (A)
Crosstalk	>70dB
Dynamic Range	>80dB
THD	<0.1%
Maximum Power Consumption	4W
Pickup Distance	1.5 meters
Compliance	IEC60914
Power Supply	Battery powered / Type-C charging port direct power supply
Display Screen	2-inch color screen
Mounting Method	Desktop
Dimensions (W x D x H)	160 x 110 x 60 mm (excluding mic rod)
Mic Rod Length	420mm replaceable mic rod (black)
Battery	3 x 1.5V batteries, 1200mAh capacity, continuous 10-hour speaking time or 12-hour continuous use

Wireless Microphone

MQ 01-H | 2 Channel - True Diversity Wireless Microphone System - Handheld Microphone

MQ 01-B | 2 Channel - True Diversity Wireless Microphone System -Headset Microphone

The MQ Series, known as the True Diversity Wireless Microphone System, is designed to meet the demands of high-fidelity audio performance with reliable signal reception. This series comes in two variations: the MQ 01-H Handheld and the MQ 01-B headset microphone. Both models operate within an ultra-wide UHF frequency range of 645MHz to 685MHz (usable frequencies depend on local regulations e.g 800-850MHz), ensuring robust and interference-free performance. The system supports an impressive effective working distance of up to 200 meters in ideal conditions, making it suitable for large venues and professional applications.

The True Diversity reception system in the MQ Series utilizes dual-channel reception circuits to minimize noise and signal dropouts caused by RF interference. With features like automatic frequency search within a 1km range and infrared (IR) synchronization, users can quickly and easily lock onto a clean, interference-free frequency. Additionally, the system includes both 6.3mm unbalanced and XLR balanced outputs for seamless integration with various audio processing equipment. The independent 2-inch LCD display provides clear information on battery status, signal strength, and audio levels, ensuring users can monitor the system effortlessly.



MQ 01-H



MQ 01-B

Wireless Microphone

MQ 01-H / MQ 01-B Receiver

MQ 01	
RF Carrier Frequency Range	645MHz~685MHz (usable frequencies depend on local regulations e.g 800-850MHz)
Frequency Stability	±0.005%
Effective Working Distance	200 meters (ideal conditions)
Audio Compression	AVA classic audio compression circuit
Frequency Response	50Hz~18kHz / ±3dB
Dynamic Range	>105dB
Signal-to-Noise Ratio (A-weighted)	>105dB
Total Harmonic Distortion	<0.6% @ 1kHz
Operating Temperature Range	-10°C~+50°C
Chassis Specifications	EIA standard 1U
Reception Bandwidth	645MHz~685MHz (usable frequencies depend on local regulations e.g 800-850MHz)
Reception Channels	Dual channel
Reception Mode	FM superheterodyne true diversity reception
RF Sensitivity	S/N ≥60dB at 25kHz deviation and 5dBv input
Squelch Adjustment	10dB~30dB, adjustable in 5dB steps
Frequency Synchronization	IR Sync
Maximum Output Level	+9dBV
Output Level Adjustment Range	-3dB~+18dB, adjustable in 3dB steps
Audio Output Connectors	2 XLR balanced outputs and 6.3mm unbalanced outputs
Power Supply	220VAC/50-60Hz, 12VDC/1A
Operating Current	DC 12V, 330mA
Dimensions (W x H x D)	420 x 47 x 184 mm
Net Weight	Approx. 1.8Kg

MQ 01-H (Handheld)	
Microphone Type	Wireless handheld microphone
Frequency Response	80Hz - 10kHz
Appearance	Innovative design, full alloy body, ergonomic grip
Carrier Frequency Range	645MHz~685MHz (usable frequencies depend on local regulations e.g 800-850MHz)
Oscillation Mode	PLL phase-locked frequency synthesis
Transmission Power	5mW/25mW
Carrier Error	0.5kHz
Harmonic Radiation	More than 45dB below the main wave
Modulation Mode	FM modulation
Nominal/Maximum Frequency Deviation	±45kHz
Maximum Input Sound Pressure	-11dBV
Frequency Setting	IR Sync
Power Supply	2 x AA 1.5V batteries
Battery Life	>8 hours
Dimensions	55 mm (Dia) x 290 mm (L)
Net Weight (excluding batteries)	Approx. 340g

MQ 01-B (Headset)	
Microphone Type	Headset Microphone
Frequency Response	45Hz - 18kHz
Color	Flesh-colored
Pickup Pattern	Unidirectional
Sensitivity	-47dB±2dB
Output Impedance	≤2.2K Ω
Signal-to-Noise Ratio	≥58dB
Microphone Size	Dia. 6.0 X 5.0mm
Frequency Response	45Hz~18kHz
Supply Voltage	2~10V.DC
Cable Length	1m
Body Pack Transmitter	
Carrier Frequency Range	UHF 640.250MHz~690MHz (usable frequencies depend on local regulations e.g 800-850MHz)
Oscillation Mode	PLL Frequency Synthesis Technology
Harmonic Radiation	Less than 45dBm above main wave
Maximum Deviation	±45kHz
Input Socket	3-pin mini XLR socket
RF Power Output	10mW/40mW
Battery	AAx2
Current Consumption	110mA (typical)
Battery Life	Approx. 11 hours
Dimensions (H x W x D)	84 x 66 x 23 mm
Weight (without battery)	Approx. 155g

Wireless Microphone

MQ 02-H | 2 Channel - True Diversity Professional Wireless Microphone System

The MQ 02-H is a dual-channel true diversity wireless microphone. The true diversity receiving method provides a more stable signal by automatically selecting the best signal, eliminating reception blind spots, and avoiding frequency interruptions. This microphone set features a new type of shockproof design, delivering excellent performance with low handling noise, reduced sensitivity to plosive sounds, and the acoustic transparency of fixed polarization condenser microphones. It can transmit audio with no compression or artificial traces, ensuring a wide dynamic range.

Designed for challenging wireless environments, high-quality audio is transmitted through digital audio DSP encoding and decoding technology. In HD mode, there is no compression or coloration, and the sound quality is comparable to wired microphones. With an exquisite appearance, convenient operation, and competitive pricing, it offers superior professional quality. It is suitable for high-demand nightclubs, multifunctional demonstration halls, hotels, conferences, and small to medium-sized performance venues.



MQ 02-H

MQ 02-H	
Frequency Range	510-690MHz
Modulation Mode	FM
Maximum number of channels	200
Frequency bandwidth	50MHz
Receiving sensitivity	-105
Signal to noise ratio	> 105dB(A)
Distortion	< 1%
Audio output level	Max 8dBu
Power requirements	12-16V DC, current 1000MA
Dimensions (W x H x D)	420 x 47 x 184 mm
Net Weight	Approx. 1.4Kg

MQ 02-H (Handheld)	
Frequency bandwidth	50MHz
Harmonic suppression	> 55dBc
Maximum frequency	± 48KHZ
Frequency response	50Hz - 15kHz(-3dB)
Signal to noise ratio	>105dB(A)
Distortion	<1%
Power requirements	3V(2X1.5V AA Battery)
Battery usage time	8H (basic)

Wireless Microphone

AN 01 | Advanced Multi-Channel Antenna System

The AN 01 enhances wireless microphone performance with reliable 10-channel UHF antenna signal distribution and amplification. Supporting up to 10 antenna channel ports, it amplifies RF signals to compensate for attenuation, ensuring clear reception over distances up to 150 meters. The system is compatible with 450-970MHz wireless receivers and features two cascade ports for expanding antenna setups. Equipped with an external 12V5A power

supply, it provides four DC outputs for wireless receivers, making it versatile for professional audio applications. The AN 01 comes bundled with ANF 01 Antenna Fins, offering 470-960MHz frequency coverage, adjustable 3dB/12dB gain, and a 70° reception angle for optimized signal capture. The antennas can be easily mounted with flexible installation options to suit various venues.



AN 01



ANF 01 | Antenna Fin

AN 01	
Antenna Distributor	
Frequency Range	450~970MHz
Impedance	50Ω
Input Voltage	DC 12V 5A
Output DC Voltage	12V (four sets of DC output terminals)
Antenna Amplification Voltage	12V 150mA
Dimensions (D x W x H)	480 x 200 x 45 mm
Directional Antenna	
Frequency Range	470~960MHz
Gain	3dB/12dB (2-level adjustable)
Interface	BNC
Impedance	50Ω
Reception Angle	70°
Voltage	9~12V

ANB 01 | Antenna Booster

The ANB 01 is a broadband coaxial RF amplifier with dual-gain selector switches (+3dB and +12dB) for compensating signal loss in long coaxial cables. It can extend the effective range by up to 35 meters, improving system stability and coverage, making it an essential tool for large antenna systems.



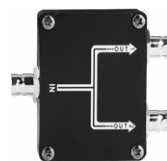
ANB 01



AB 01 | Horizontal Bracket

ANS 01 | Antenna Splitter

The ANS 01 splits one RF signal into two outputs or combines two RF signals into one input. It also transmits bias voltage to upstream RF amplifiers, providing seamless signal distribution and boosting system efficiency, making it a perfect accessory for antenna setups.



ANS 01



AB 02 | Vertical Bracket

Wireless Microphone





Wired Microphone

Introducing our Wired Microphones line-up – experience the ease of ready-to-use, plug-and-play functionality, ensuring high-quality audio, for a clean and streamlined setup.

MH 1a | Microphone

MH 2a | Microphone

The MH Series handheld microphones are engineered for professional audio applications, offering exceptional performance and durability. The series includes two distinct models: the MH 1a, featuring a cardioid polar pattern ideal for general use, and the MH 2a, with a supercardioid pattern for superior noise rejection and a wide bandwidth suited for professional vocal and instrument reproduction. Both microphones

are built with a robust die-cast zinc alloy body and a hardened steel mesh grille to protect the dynamic capsule. An advanced shock-mount system minimizes handling noise, while the pop-free slide switch ensures silent and unobtrusive operation. With their rugged construction and high-quality audio reproduction, the MH Series microphones are the perfect choice for live sound, broadcast, and studio recording.



MH 1a



MH 2a

	MH 1a	MH 2a
Type	Dynamic microphone	Dynamic microphone
Polar Pattern	Cardioid	Unidirectional, Super Cardioid
Frequency Response	45 Hz ~ 16 kHz	50 Hz ~ 16 kHz
Output Impedance	250 Ω (at 1 kHz)	600 Ω unbalanced (at 1 kHz)
Output Level	2.0mVPA +/- 3 dB (at 1 kHz)	-72 dB +/- 3 dB (at 1 kHz)
Magnet Type	Neodymium	Neodymium
Capsule Type	Dynamic moving coil	29 mm Dynamic Moving Coil
Cable	4.5 m Microphone Cable (3-Pin XLR(F) to 1/4" mono Phone Jack)	5 m Microphone Cable (3 pin XLR (F) to 1/4" mono Phone Jack)
Switch	Slide switch (lockable)	Slide switch (Pop-Free)
Material & Finish	Diecasted zinc alloy with steel mesh. metallic quartz grey/silver	Diecasted zinc alloy with steel mesh. metallic quartz grey/silver
Dimensions	Dia. 53 x 188 mm	Dia. 53 x 180 mm
Weight	0.27 kg	0.29 kg

Wired Microphone

MP 3 | Desktop Microphone

The MP 3 is a professional desktop condenser microphone designed for high-quality audio capture in conferences, broadcasting, and professional recording environments. Its elegant and ergonomic design features a full-metal, gooseneck microphone with an adjustable pitch angle, bringing a modern aesthetic to any setup. The microphone's supercardioid polar pattern ensures precise sound capture while rejecting off-axis noise. Engineered with superior resistance to mobile phone and electromagnetic interference, the MP 3 delivers a clean, clear signal. It connects via a standard 3-pin XLR for balanced, low-impedance audio output, and is powered by 48V phantom power. With its exceptional performance and versatility, the MP 3 is the ideal choice for any application demanding pristine audio quality, from conference calls to professional voiceovers.



MP 3	
Type	Desktop Condenser Microphone
Polar Pattern	Supercardioid
Frequency Response	30Hz ~ 20kHz
Output Impedance	150Ω
Output Level/Sensitivity	-35dB ± 2dB
Signal-to-Noise Ratio	65 dB
Equivalent Noise Level	35dB(A)/20uPa
Total Harmonic Distortion	>1%
Capsule Type	14mm Condenser
Power Supply	Phantom 48V
Cable	5m Microphone Cable (3-pin XLR male connector)
Switch/Special Features	Mobile phone and electromagnetic interference resistance
Mounting/Installation	Desktop
Material & Finish	Full metal square column, textured gray
Rod Length	420mm adjustable rod
Dimensions	130 x 70~110 x 35mm (excluding mic rod)
Weight	885g

Wired Microphone





Conference System

Enhance your meetings with our Conference Systems, offering superior clarity and intuitive controls for seamless communication and efficient management.

CS 300M | CS 300 series Conference System Central Unit with Camera Tracking and Voting

CS 301C | CS 300 series Conference Gooseneck Touchscreen Microphone (Chairman Unit)

CS 301D | CS 300 series Conference Gooseneck Touchscreen Microphone (Delegate Unit)

The CS 300M Conference System Central Unit with Camera Tracking and Voting enhances conference management with a 5.0-inch color IPS touchscreen supporting English and Chinese menus. Featuring built-in WIFI for real-time date and time display. It supports fast voting with results displayed on both the Central Unit and microphone screens and offers multiple audio outputs for various systems. The unit can manage up to 60 conference units directly or 250 units with extensions and supports third-party control via RS232 protocol. This system supports multiple Chairman microphones configuration. Its robust aluminum alloy construction ensures durability, while built-in volume controls and seamless HDMI switching enhance functionality. The CS 300M comes with a 10m

cable for flexible installation.

The CS 300 Series offers one distinct microphone options: the CS 301C (gooseneck). Available in Chairman (C) and Delegate (D) versions. The CS 301C and CS 301D feature a 4.0-inch touchscreen and a flexible 420mm gooseneck microphone for enhanced positioning. Both series feature unidirectional condenser microphones with red ring indicators, durable aluminum alloy construction, and high-fidelity audio capture. The CS 301 series adds customizable screensavers and an intelligent noise processor for an extended pickup range of up to 1 meter. All units support fast voting, service calls, and third-party control, ensuring a versatile and professional conference experience.



CS 300M

Accessories



CSC 04 | Junction Box



CSC 05 | RJ45 Booster



CSC 07 | 8P Cable (2m)



CSC 06 | 8P Booster



CS 301C

CS 301D

Conference System

CS 300M	
Display	5.0 Inch color IPS touchscreen
Network Timer	Built-in WIFI module
Mobile App	Android APP for local network control
Password Protection	Yes, with password reset option
Voting	Fast voting with results displayed on Central Unit and microphones, VGA output
Memory	Automatic memory function on power failure
Rack Mounting	19-inch standard rack (2U size)
Connection Ports	4x 8P conference ports, 4x RJ45 ports
Maximum Units Supported	60 units directly, 250 units with extension
Third-party Control	RS232 communication protocol
Audio Controls	Built-in volume control, microphone mute, and speaker management
HDMI Switcher	4 IN 1 OUT, seamless, supports up to 4 cameras, 1080P@60Hz
Camera Control Protocols	PELCO-D, PELCO-P, VISCA via RS-485
Recording	Built-in MP3 recorder, supports max 32G USB (approx. 14 days recording)
Conference Modes	Intelligent LIMIT, FIFO, Intelligent APPLY, Open mode, Speech time, Chairman only, Voice control, Auto test
Maximum Chairman Unit	Up to 20 Chairman microphone
Input/Output Ports	8P-DIN x4, RJ45 x4, RCA x1, XLRM x1 (balanced), RCA x1, 6.35mm x1
Video Input/Output	4 HDMI IN / 1 HDMI OUT (1080P@60Hz)
Power Supply	AC220V-50HZ
Power Consumption	120W (MAX)
Frequency Response	20Hz-20KHz
Signal-to-Noise Ratio	78dB (1KHz THD1%)
Main Unit Cable Length	10M
Audio Impedance	LINE IN: 50KΩ, LINE OUT: 200Ω, BALANCE: 300Ω, MAX OUT: 400Ω
Colors	Black
Dimensions (W x D x H)	480 x 325 x 88 mm
Weight	8.5kg

CS 301C / CS 301D	
Microphone Type	Unidirectional condenser
Display	4.0 inch 800x480 color IPS touchscreen
Microphone Rod Type	Flexible gooseneck
Mic Stem Length	Gooseneck Mic (420mm)
Service Call Functions	Drink, pen, paper, other
Voting Capability	Fast voting with display
Switch Type	Inductive touch switch, backup rubber physical switch
Speaking Distance	10 to 40 cm (50 cm to 80 cm with noise suppression)
Third-party Control	RS232 communication protocol
Power Supply	DC24V (from main unit)
Current Consumption	60mA
Headphone Jack	3.5mm, with volume control knob
Connection Ports	RJ45 or 8P-DIN conference port
Chairman Controls	Shut down delegate, priority key for temporary silence
Sensitivity	-47dB
Signal-to-Noise Ratio	65dB
Frequency Response	100Hz-10KHz
Cable Length	2M
Colors	Black
Installation	Desktop
Dimensions (W x D x H)	160 x 110 x 60 mm (excluding mic rod)
Weight	1.5kg

Conference System

CS 200M | CS 200 series Conference System Central Unit with Camera Tracking

CS 201C | CS 200 series Conference Square Tube Microphone (Chairman Unit)

CS 201D | CS 200 series Conference Square Tube Microphone (Delegate Unit)

CS 202C | CS 200 series Conference Gooseneck Microphone (Chairman Unit)

CS 202D | CS 200 series Conference Gooseneck Microphone (Delegate Unit)

The CS 200M Conference System Central Unit with Camera Tracking is a versatile and robust conference system designed to streamline and enhance meeting management. Featuring a 3.5-inch color display with support for both English and Chinese menus, CS200M offers a range of intelligent functions such as voice-activated microphones, adjustable thresholds, and automatic memory settings that retain configurations even after power interruptions. This system supports multiple Chairman microphones configuration. The unit supports central control via RS232, enabling integration with other conference equipment for seamless operation. Its durable aluminum alloy construction, enhanced with CNC precision machining and hard anodized surface treatment, ensures long-lasting performance. The CS 200M comes with a 10m cable and can manage up to 60 conference units directly or up to 250 units with extensions. It includes multiple audio outputs for various systems, built-

in MP3 recording capabilities, and support for up to four HD cameras with seamless HDMI switching. The CS 201C, CS 201D, CS 202C, and CS 202D Microphone units are designed for high-fidelity audio capture and user-friendly operation. The CS 201C and CS 201D features a 2.4-inch color display showing meeting mode, microphone ID, and speech status. The CS 202C and CS 202D, with their anodized brushed aluminum surface, provide clear voice capture over a range of 10 to 40 cm, with noise suppression extending to 50 cm to 80 cm. Both units support third-party central control via RS232, are powered by the main unit with safe low-voltage DC24V, and feature dual switch designs for silent operation. The microphones come with a 2m cable, a 3.5mm headphone jack for monitoring, and various connectivity options through RJ45 or 8P conference ports.



CS 200M



CS 201C

CS 201D



Accessories



CSC 04 | Junction Box



CSC 05 | RJ45 Booster



CSC 07 | 8P Cable (2m)



CSC 06 | 8P Booster



CS 202C

CS 202D

Conference System

CS 200M	
Display	3.5 Inch color display
Memory	Automatic memory function on power failure
Voice Control	Adjustable voice-activated microphone
Central Control	RS232 interface for central control
Built-in Equalizer	High, mid, bass adjustment, microphone volume control
Real-time Status	Microphone status indicators
Connection Ports	4x 8P conference ports, 4x RJ45 ports
Maximum Units Supported	60 units directly, 250 units with extension
Recording	Built-in MP3 recording, supports max 32G USB
Camera Support	4 HDMI IN/1 HDMI OUT (1080P@60Hz), supports 4 cameras
Camera Control Protocols	PELCO-D, PELCO-P, VISCA via RS-485
Conference Modes	Intelligent LIMIT, FIFO, Intelligent APPLY, Free, Speech time, Chairman only, Voice control, Auto test
Maximum Chairman Unit	Up to 20 Chairman microphone
Input/Output Ports	8P-DIN x4, RJ45 x4, RCA x1, XLRM x1 (balanced), RCA x1, 6.35mm x1
Power Supply	AC220V-50HZ
Power Consumption	120W (MAX)
Frequency Response	20Hz-20KHz
Signal-to-Noise Ratio	78dB (1KHz THD1%)
Audio Impedance	LINE IN: 50KΩ, LINE OUT: 200Ω, BALANCE: 300Ω, MAX OUT: 400Ω
Main Unit Cable Length	10M
Material	Aluminum alloy, hard anodized surface
Colors	Dark gray
Dimensions (W x D x H)	480 x 325 x 88 mm
Weight	8.5kg

	CS 201C / CS 201D	CS 202C / CS 202D
Display	2.4 inch color display	1.3 inch blue OLED display
Built-in Speaker	No	Yes
Speaking Distance	10 to 40 cm, up to 50 cm to 80 cm with noise suppression	10 to 40 cm, up to 50 cm to 80 cm with noise suppression
Third-party Control	RS232 communication protocol	RS232 communication protocol
Headphone Jack	3.5mm, with volume control knob	3.5mm, with volume control knob
Connection Ports	RJ45 or 8P-DIN conference port	8P-DIN×1 (2M cable)
Chairman Controls	Priority key for temporary silence	Priority key for temporary silence
Sensitivity	-47dB	-47dB
Signal-to-Noise Ratio	65dB	65dB
Frequency Response	100Hz-10KHz	100Hz-10KHz
Power Supply	DC24V (from main unit)	DC24V (from main unit)
Current Consumption	60mA	35mA
Microphone Unit Cable Length	2 m	2 m
Material	High-strength anodized aluminum alloy	Anodized brushed aluminum alloy
Switch Type	Automotive-grade rubber switch	CAR level rubber button
Colors	Black	Black
Installation	Desktop	Desktop
Mic Stem Length	200mm fixed square short rod, 420mm long rod, 220mm adjustable (fixed square rod)	420mm flexible gooseneck
Dimensions (W x D x H)	160 x 110 x 60 mm (excluding mic rod)	153 x 153 x 47 mm (excluding mic rod)
Weight	1.4kg	1.2kg

Conference System

CS 100M | CS 100 series Conference System Central Unit

CS 101C | CS 100 series Conference Gooseneck Microphone (Chairman Unit)

CS 101D | CS 100 series Conference Gooseneck Microphone (Delegate Unit)

CS 102C | CS 100 series Conference Gooseneck Microphone (Chairman Unit)

CS 102D | CS 100 series Conference Gooseneck Microphone (Delegate Unit)

The CS 100M Conference System Central Unit is designed to provide seamless and reliable performance for professional conference environments. Featuring an international standard 1.5U panel size, this unit can be easily installed in a 19-inch standard rack. With memory retention after power loss, adjustable voice-activated microphone functionality, and third-party control via RS232 communication protocol, it offers flexibility and ease of use. The 1.3-inch OLED display with English and Chinese menu options, combined with comprehensive audio output options, makes it a versatile choice for various applications. The CS 100M comes with a 10m cable and supports up to 60 conference system units, expandable to accommodate 250 units with additional power and extension modules. Its durable aluminum alloy construction ensures longevity and resilience.

The CS 101C and CS 101D Microphone Units complement the main unit with their professional-grade features, including a detachable gooseneck microphone with a red indicator light and high-fidelity, unidirectional condenser performance. Each unit features a built-in speaker in the microphone, a 3.5mm headphone jack for monitoring, an LCD display for real-time updates, and supports third-party control for video tracking and microphone management. Powered by a 24V DC supply from the main unit, they come with a 2m cable and a durable ABS plastic shell with an organic glass finish.

The CS 102C and CS 102D models comes with a 2.1M connection cable and an 8P-DIN female connector for hand-in-hand connections. They include a 1.3-inch blue OLED display for meeting information, a durable tact switch button with an LED indicator, and support for the RS232 communication protocol for central control.



CS 100M



CS 102C

CS 102D



Accessories



CSC 07 | 8P Cable (2m)



CSC 06 | 8P Booster



CS 101C

CS 101D

Conference System

CS 100M	
Input/Output	8P-DIN×4, RJ45×4
Input	RCA×1
Output	XLRM×1 (Balanced), RCA×1, 6.35mm×1
Power Supply	AC220V-50HZ
Power Consumption	80W (MAX)
Frequency Response	20Hz-20KHz
Signal-to- Noise Ratio	78dB (1KHz THD1%)
Maximum Units Supported	60 units directly, 300 units with extension
Main Unit Cable Length	10M
Colors	Black
Audio Impedance	LINE IN: 50KΩ, LINE OUT: 200Ω, BALANCE OUT: 300Ω, MAX OUT: 400Ω
Dimensions (W x D x H)	480 x 325 x 66 mm
Weight	6.5kg

CS 101C / CS 101D		CS 102C / CS 102D
Input/Output	8P-DIN×1 (Microphone line: 2M)	8P-DIN×1 (2M)
Input	Unidirectional Condenser Microphone	Unidirectional Condenser Microphone
Power Supply	DC24V (Provided by main unit)	DC24V (Provided by main unit)
Power Consumption	35mA	35mA
Sensitivity	-47dB	-47dB
Signal-to- Noise Ratio	65dB	65dB
Frequency Response	100-10KHz	100-10KHz
Microphone Unit Cable Length	2M	2M
Special Features	Built-in speaker	-
Colors	Gray Black	Gray Black
Installation	Desktop	Desktop
MIC Stem Length	420mm (Adjustable)	420mm
Dimensions (W x D x H)	200 x 112 x 55 mm	144 x 128 x 60 mm
Weight	1.3kg	1kg

Conference System

CS 700M | CS 700 series Wireless Conference System Central Unit with Camera Tracking

CS 701C | CS 700 series Wireless Conference Square Tube Microphone (Chairman Unit)

CS 701D | CS 700 series Wireless Conference Square Tube Microphone (Delegate Unit)

CS 702C | CS 700 series Wireless Conference Gooseneck Microphone (Chairman Unit)

CS 702D | CS 700 series Wireless Conference Gooseneck Microphone (Delegate Unit)

The CS 700M Wireless Conference System Central Unit is engineered to deliver exceptional performance and reliability for professional conference settings. Featuring a robust aluminum alloy panel with an anodized finish, this unit is designed for durability and aesthetic appeal, fitting into a 19-inch standard rack with a 2U size. It supports up to 199 wireless microphones and multiple chairpersons, offering various speaking modes such as chairman mode, FIFO, LIFO, and LIMIT mode. The unit features a 4.3-inch high-definition capacitive touch screen with bilingual menu options and intuitive video tracking settings. With comprehensive connectivity options including RS-485 and RS-232 for camera control, UHF frequency auto-tracking, and built-in MP3 recording, the CS 700M ensures seamless

operation and high-quality audio for any conference. The CS 701C, CS 701D, CS 702C and CS 702D microphone complement the CS 700M with advanced features tailored for professional use. Both models include high-fidelity cardioid condenser microphones with anti-interference design to block mobile signal noise. The CS 701C and CS 701D model features a 4.0-inch IPS touch screen display for real-time conference status, while the CS 702C and CS 702D model offers a 2.0-inch IPS display. Both units support third-party control for video tracking and are equipped with large capacity rechargeable lithium batteries for extended use. With features such as priority function, touch-sensitive switches, and robust build quality, these microphone units ensure clear and reliable communication during conferences.



CS 700M



CS 701C



CS 701D

Accessories



CSC 03 | Wireless Conference System Antenna



CS 702C



CS 702D

Conference System

CS 700M	
Output	XLRM×1 (Balanced), 6.35mm×1, RS232×2, USB×1, RJ45×1, RS485×1
Input	USB-PC×1
Antenna Box	CSC 03 Wireless Conference System Antenna
Camera Control Protocols	PELCO-D, PELCO-P, VISCA via RS-485
Power Supply	AC220V 50Hz
Power Consumption	600mA
Receive Sensitivity	-105dB
Signal-to-Noise Ratio	>85dB
Frequency Response	50Hz—15KHz
Maximum Units Supported	199 Wireless Microphones
Total Harmonic Distortion (THD)	<0.01%
Carrier Frequency Range	UHF 600MHz-700MHz, 433MHz
Effective Distance	40 meters (line of sight)
Colors	Black
Dimensions (W x D x H)	480 x 325 x 88 mm
Weight	8kg

	CS 701C / CS 701D	CS 702C / CS 702D
Battery Capacity	3000mAh Li	1500mAh Li
Input	Cardioid Condenser Microphone	Cardioid Condenser Microphone
Adjacent Frequency Interference	>60dB	>60dB
Power Consumption	280mA	220mAh
Sensitivity	-47dB	-47dB
Signal-to-Noise Ratio	65dB	65dB
Frequency Response	100-10KHz	100-10KHz
UHF Frequency Range	UHF 600MHz-690MHz, 433MHz	UHF 600MHz-690MHz, 433MHz
Colors	Black	Black
Installation	Desktop	Desktop
Mic Stem Length	220mm (Fixed)	420mm (Flexible Gooseneck)
Display Screen	4.0-inch IPS color touch screen	2.0-inch IPS color touch screen
Dimensions (W x D x H)	160 x 110 x 60 mm (excluding mic stem)	153 x 153 x 47 mm (excluding mic stem)
Weight	1.5kg	1.2kg

Conference System

CS 900M | CS 900 series Wired and Wireless Conference System Central Unit with Camera Tracking

The CS 900M Conference System Central Unit is a state-of-the-art central unit designed for modern, flexible conference environments. Housed in a durable 2U 19-inch aluminum alloy chassis, the CS 900M features a high-definition 4.3-inch capacitive touch display (800x480 pixels) for intuitive menu navigation in both English and Chinese. The system supports up to 125 wireless discussion microphones and up to 125 wired-microphone units, including multiple chairman microphones.

Offering unparalleled flexibility, the CS 900M provides multiple conferencing modes, including chairman, first-in-first-out, restricted, and time-limited speaking, with support for up to four simultaneous speakers. Advanced features include a digital password lock, automatic power-off memory, and high-quality MP3

recording to a USB drive (up to 32GB). The system also boasts a passive antenna box design, allowing for extended wireless range up to 100 meters, and robust anti-interference technology to eliminate mobile signal noise.

For seamless integration, the CS 900M supports advanced video tracking with up to 8 HD cameras (4K30Hz resolution) and includes built-in control protocols (PELCO-D, PELCO-P, VISCA). It offers a comprehensive range of I/O ports, including XLR, RCA, USB, RS-232, and RS-485, ensuring compatibility with a wide array of audio, video, and control systems. With its powerful features and flexible design, the CS 900M is the ultimate solution for managing professional conferences.



CS 900M

Accessories



CSC 03 | Wireless Conference System Antenna



CSC 04 | Junction Box



CSC 05 | RJ45 Booster



CSC 07 | 8P Cable (2m)



CSC 06 | 8P Booster



Compatible with



CS 202C

CS 202D



CS 702C

CS 702D

Conference System

CS 900M	
Design	2U 19-inch aluminum alloy chassis with CNC machining and anodizing treatment
Display	4.3-inch capacitive touch display (800×480 pixels)
Maximum Wireless Microphones	125 wireless discussion microphones
Maximum Conference Units	40 wired microphone (125 with expansion hosts and power repeaters)
Maximum Chairman Microphones	Up to 20 chairman microphones
Conference Modes	Chairman mode, First-in-First-out, Restricted mode, Time-limited
Simultaneous Speakers	1-4 people (wireless and wired microphones)
Connection Ports (Input)	8P-DIN×2, RJ45×2, RCA×1
Connection Ports (Output)	XLRM×1, 6.35mm×1, RCA×1, USB×1, RS232×2
Wireless Input	CSC 03 Wireless Conference System Antenna
Power Supply	AC220V
Maximum Power Consumption	Max 80W
Receive Sensitivity	-105dB
Wireless Carrier Frequency	UHF 600MHz-700MHz
Effective Wireless Range	40 meters (line of sight with antenna box)
Antenna System	Passive antenna box system (up to 100m wire length)
Signal-to-Noise Ratio (S/N)	>85dB
Frequency Response	50Hz—15KHz
Total Harmonic Distortion (THD)	<0.01%
Recording Capability	High-quality MP3 recording, up to 32GB USB storage (14 consecutive days)
Video Tracking Support	Supports up to 8 HD cameras with 4K30Hz resolution
Camera Control Protocols	PELCO-D, PELCO-P, VISCA (built-in protocols)
Control Interfaces	RS-232×2, RS-485 (up to 1km distance)
Security Features	Digital password lock with forgotten password recovery
Language Support	Built-in Chinese and English with automatic microphone synchronization
Special Features	UHF frequency auto-tracking, one-click frequency matching, automatic power-off memory, anti-mobile interference, built-in clock synchronization
Color	Black
Dimensions (W x D x H)	480 x 325 x 88 mm
Weight	8kg

Conference System

CSC 01 | Conference System Camera

The CSC 01 is a high-performance camera designed for professional applications such as remote education, conferencing, and telemedicine. It features advanced ISP processing technology and algorithms that deliver vivid, true-to-life images with excellent brightness uniformity, high clarity, and superior color reproduction. Equipped with a 1/2.8-inch high-quality image sensor, it supports full HD 1080p resolution at up to 60 frames per second, ensuring smooth and clear video output. The camera offers 20x optical zoom and 10x digital zoom, enhanced by leading auto-focus technology for rapid, accurate, and stable focusing. Its low-noise CMOS sensor and 2D/3D noise reduction technology guarantee high signal-to-noise ratio,

producing clear images even in low-light conditions. This versatile camera supports multiple video output interfaces, including HDMI, 3G-SDI, USB, and LAN, along with audio input interfaces that support various sampling rates and audio codecs. It offers robust pan-tilt performance with a super-silent mechanism for smooth and noiseless operation. The camera also supports multiple control protocols, including VISCA, PELCO-D, and PELCO-P, with RS232 and RS485 interfaces for seamless integration into existing systems. Additional features include support for H.265/H.264 video compression, multiple network protocols, remote control options, and low power consumption with a sleep/wake function.



CSC 01	
Camera & Lens	
Image Sensor	1/2.8-inch high-quality CMOS sensor
Effective Pixels	2.07 million, 16:9
Video Signal	1080P60/50/30/25; 1080I60/50; 720P30/25
Optical Zoom	20x optical zoom f=5.5-110mm
Viewing Angle	3.3° (tele) to 54.7° (wide)
Aperture	F1.6 – F3.5
Digital Zoom	10x
Minimum Illumination	0.5Lux (F1.8, AGC ON)
Digital Noise Reduction	2D & 3D digital noise reduction
White Balance	Auto/Manual/One-Push/3000K/4000K/5000K/6500K
Focus	Auto/Manual
Iris	Auto/Manual
Electronic Shutter	Auto/Manual
Backlight Compensation	On/Off
Wide Dynamic Range	Off/Dynamic Level Adjustment
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W Mode, Gamma Curve
Signal-to-Noise Ratio	>55dB

continue next page..

Conference System

Input/Output Interfaces & Supported Protocols	
Video Interfaces	HDMI, 3G-SDI, LAN
Dual Stream Output	Yes
Video Compression Formats	H.265, H.264
Control Signal Interfaces	RS-232 (with loop-through RS232 output), RS-485
Control Protocols	VISCA, Pelco-D, Pelco-P
Baud Rates	115200/9600/4800/2400bps
Audio Input Interfaces	Dual-channel 3.5mm line-in
Audio Compression Formats	AAC, MP3, PCM
Network Interface	100M LAN (10/100BASE-TX), 5G WiFi (optional), network VISCA control protocol
Network Protocols	RTSP, RTMP, ONVIF, GB/T28181
Power Interface	HEC3800 power socket (DC12V)
Pan/Tilt Parameters	
Pan Range	-170° to +170°
Tilt Range	-30° to +90°
Pan Speed	0.1 to 60°/sec
Tilt Speed	0.1 to 30°/sec
Preset Speed	Pan: 60°/sec, Tilt: 30°/sec
Preset Positions	Up to 255 (10 via remote)
Other Parameters	
Power Adapter	Input AC110V-AC220V, Output DC12V/1.5A
Input Voltage	DC12V±10%
Input Current	1A (max)
Power Consumption	12W (max)
Storage Temperature	-10°C to +60°C
Storage Humidity	20% to 95%
Operating Temperature	-10°C to +50°C
Operating Humidity	20% to 80%
Environment	Indoor
Remote Maintenance	Remote upgrade, reboot, reset
Included Accessories	12V/1.5A power adapter, RS232 control cable, USB 3.0 cable (U3 model), USB 2.0 cable (U2 model), remote control, manual, warranty card
Optional Accessories	Mounting bracket
Dimensions (W x H x D)	150 x 150 x 167.5 mm
Weight	1.4kg

Conference System

CSC 02 | Wired Conference System Expander

The CSC 02 is a expansion power unit designed for conference systems, featuring a robust aluminum alloy construction and a 19-inch standard rack design. It includes three unit ports and two expansion ports, capable of connecting up to 60 conference units,

providing additional power supply to the main unit. The expansion unit automatically powers on when the main conference unit is activated, ensuring synchronized operation across multiple expansion units.



CSC 02	
Input/Output	8P-DIN×5
Power Supply	AC220V-50HZ
Power Consumption	120W (MAX)
Colors	Dark Gray
Dimensions (W x D x H)	480 x 325 x 88 mm
Weight	8.5kg

PS 801 | Conference System microphone Charger

The PS 801 is a robust 28-port USB charger designed to simultaneously charge up to 28 devices. It features multiple short-circuit protections that automatically cut off the output in case of a short circuit, as well as input and output overcurrent and undervoltage protection. The charger intelligently identifies connected devices to provide a maximum output current of

1A. Additionally, it includes leakage protection that automatically cuts off output in case of leakage. The PS 801 is equipped with a power switch with a status indicator light and a digital display for real-time visualization of charging voltage, ensuring clear and safe operation.



PS 801	
Output	5V 1A
Power	90W
Dimensions (W x D x H)	420 x 180 x 61 mm
Weight	3.3 kg



Audio Mixing Console

Unlock sonic precision with our Audio Mixing Consoles. Seamlessly blend and shape your sound, whether in live events, banquets, meeting rooms, multipurpose halls and etc. Elevate your audio experience to new heights.

Bobcat series**M 08A** | Bobcat Series 8-Channel Mixer**M 12A** | Bobcat Series 12-Channel Mixer**M 16A** | Bobcat Series 16-Channel Mixer**M 24A** | Bobcat Series 24-Channel Mixer

The AEX Bobcat Series analog mixer is the ideal choice for both portable setups and permanent installations, offering a wide range of features and exceptional sound quality. With the Bobcat Series' high-quality op-amp, your mix will maintain its transparency and clarity. Capture the true essence of your microphones with the crystal clear preamps of the M-Series, delivering natural bass tones and seamless highs. Take full command of your audio with the professional three-band EQ on every channel, allowing for precise

tonal shaping. Embrace modern versatility with built-in wireless Bluetooth for seamless streaming and a plug-and-play USB interface for direct playback. Durable, precise faders and a clear blue LCD display ensure effortless operation and reliable performance, gig after gig. With ultra-low distortion and excellent signal-to-noise ratio, the Bobcat series faithfully reproduces your sound. Available in 8, 12, 16, and 24-channel configurations, there's a Bobcat mixer perfectly sized for any application.



M 08A



M 12A



M 16A



M 24A

Audio Mixing Console

	M 08A	M 12A	M 16A	M 24A
Channels	8-Channel	12-Channel	16-Channel	24-Channel
Frequency Response	20Hz-20KHz ± 3 dB	20Hz-20KHz ± 3 dB	20Hz-20KHz ± 3 dB	20Hz-20KHz ± 3 dB
Signal-to-Noise Ratio	>80dB	>80dB	>80dB	>80dB
Input Sensitivity/Impedance	Mic: 0.7mV/200 Ω to 600 Ω balanced, Line: 400mV/47 Ω , Phono: 2.5mV/47 Ω , Aux: 300mV	Mic: 0.7mV/200 Ω to 600 Ω balanced, Line: 400mV/47 Ω , Phono: 2.5mV/47 Ω , Aux: 300mV	Mic: 0.7mV/200 Ω to 600 Ω balanced, Line: 400mV/47 Ω , Phono: 2.5mV/47 Ω , Aux: 300mV	Mic: 0.7mV/200 Ω to 600 Ω balanced, Line: 400mV/47 Ω , Phono: 2.5mV/47 Ω , Aux: 300mV
Mixed Output Voltage	4V Max	4V Max	4V Max	4V Max
Max Output Level	20dBm	20dBm	20dBm	20dBm
Total Harmonic Distortion + Noise	<0.03% (at 1KHz)	<0.03% (at 1KHz)	<0.03% (at 1KHz)	<0.03% (at 1KHz)
Common Mode Rejection Ratio	-70dB	-70dB	-70dB	-70dB
Crosstalk Between Channels	Better than -70dB at 1KHz	Better than -70dB at 1KHz	Better than -70dB at 1KHz	Better than -70dB at 1KHz
Equalization	High: ± 15 dB at 12KHz, Mid: ± 15 dB at 2.5KHz, Low: ± 15 dB at 80Hz	High: ± 15 dB at 12KHz, Mid: ± 15 dB at 2.5KHz, Low: ± 15 dB at 80Hz	High: ± 15 dB at 12KHz, Mid: ± 15 dB at 2.5KHz, Low: ± 15 dB at 80Hz	High: ± 15 dB at 12KHz, Mid: ± 15 dB at 2.5KHz, Low: ± 15 dB at 80Hz
Mid-Frequency Sweep	Yes	Yes	Yes	Yes
Phantom Power	+48V	+48V	+48V	+48V
Power Output (Amplifier)	N/A	N/A	N/A	N/A
Power Consumption	15W	15W	15W	15W
Input Power	AC220-240V/50-60Hz	AC220-240V/50-60Hz	AC220-240V/50-60Hz	AC220-240V/50-60Hz
DSP Effects	N/A	N/A	N/A	N/A
MP3 Player	N/A	N/A	N/A	N/A
Bluetooth Playback	Yes	Yes	Yes	Yes
USB	Plug-and-Play	Plug-and-Play	Plug-and-Play	Plug-and-Play
Woofer	N/A	N/A	N/A	N/A
Low-Pass Filtering XLR Output	N/A	N/A	N/A	N/A
Aux Outputs	2	2	2	2
Group Returns	N/A	N/A	N/A	N/A
Grouping	N/A	N/A	N/A	N/A
Stereo Outputs	2	2	2	2
Display	Blue LCD	Blue LCD	Blue LCD	Blue LCD
Faders	Straight Slider	Straight Slider	Straight Slider	Straight Slider
Dimension (W $\times$ H $\times$ D)	40.2 $\times$ 34 $\times$ 4 cm	52 $\times$ 34 $\times$ 4 cm	63.8 $\times$ 34 $\times$ 4 cm	87 $\times$ 53 $\times$ 8.5 cm
Nett Weight / Gross Weight	2.9 kg / 3.5 kg	4.3 kg / 4.8 kg	4.5 kg / 5.1 kg	6.0 kg / 6.8 kg

Audio Mixing Console

Lynx series

M 08AG | Lynx Series 8-Channel Mixer (2 Sub-Group)

M 12AG | Lynx Series 12-Channel Mixer (2 Sub-Group)

M 16AG | Lynx Series 16-Channel Mixer (2 Sub-Group)

M 24AG | Lynx Series 24-Channel Mixer (2 Sub-Group)

Introducing the AEX Lynx series mixing consoles, with a sub-group function setting. Experience accessible mixing like never before, with unparalleled sonic purity and sound shaping capabilities that empower engineers with unprecedented creative freedom. Streamline your mix and gain superior control with two dedicated sub-groups, perfect for managing complex arrangements. Sculpt your audio with surgical precision using the 3-band EQ, complete with a sweepable mid-frequency control on each mono channel. Further

refine your overall sound for any venue with the master dual 7-band graphic equalizer. Unleash your creativity with a vast palette of 99 built-in DSP effects. The Lynx series seamlessly integrates modern workflows with Bluetooth playback, a high-quality MP3 player, and direct-to-USB recording capabilities. These consoles boast extensive capabilities to handle any application with ease. Elevate your audio experience with the AEX Lynx series, where innovation meets excellence.



M 08AG



M 12AG



M 16AG



M 24AG

Audio Mixing Console

	M 08AG	M 12AG	M 16AG	M 24AG
Channels	6 mono, 2 stereo	10 mono, 2 stereo	14 mono, 2 stereo	22 mono, 2 stereo
Frequency Response	20Hz-20KHz	20Hz-20KHz	20Hz-20KHz	20Hz-20KHz
Signal-to-Noise Ratio	>85dB	>85dB	>85dB	>85dB
Input Sensitivity/Impedance	Mic: -60dB, Stereo: -40dB, Effect Send: -20dB, Effect Return: -20dB	Mic: -60dB, Stereo: -40dB, Effect Send: -20dB, Effect Return: -20dB	Mic: -60dB, Stereo: -40dB, Effect Send: -20dB, Effect Return: -20dB	Mic: -60dB, Stereo: -40dB, Effect Send: -20dB, Effect Return: -20dB
Mixed Output Voltage	4V Max	4V Max	4V Max	4V Max
Max Output Level	20dBm	20dBm	20dBm	20dBm
Total Harmonic Distortion + Noise	0.02% @ 0dB 1kHz	0.02% @ 0dB 1kHz	0.02% @ 0dB 1kHz	0.02% @ 0dB 1kHz
Common Mode Rejection Ratio	-70dB	-70dB	-70dB	-70dB
Crosstalk Between Channels	Better than -70dB at 1KHz	Better than -70dB at 1KHz	Better than -70dB at 1KHz	Better than -70dB at 1KHz
Equalization	3-band EQ per channel, Dual 7-band graphic, Low: ± 15 dB/60Hz	3-band EQ per channel, Dual 7-band graphic, Low: ± 15 dB/60Hz	3-band EQ per channel, Dual 7-band graphic, Low: ± 15 dB/60Hz	3-band EQ per channel, Dual 7-band graphic, Low: ± 15 dB/60Hz
Mid-Frequency Sweep	Yes	Yes	Yes	Yes
Phantom Power	+48V	+48V	+48V	+48V
Power Output (Amplifier)	30W	30W	350W $\times$ 2	350W $\times$ 2
Power Consumption	30W	30W	30W	30W
Input Power	AC100V-240V/50Hz	AC100V-240V/50Hz	AC100V-240V/50Hz	AC100V-240V/50Hz
DSP Effects	99 types	99 types	99 types	99 types
MP3 Player	Built-in, high-quality	Built-in, high-quality	Built-in, high-quality	Built-in, high-quality
Bluetooth Playback	Yes, with display	Yes, with display	Yes, with display	Yes, with display
USB	Recording capable	Recording capable	Recording capable	Recording capable
Woofer	60mm	60mm	60mm	60mm
Low-Pass Filtering XLR Output	Yes	Yes	Yes	Yes
Aux Outputs	2	2	2	2
Group Returns	1	1	1	1
Grouping	2	2	2	2
Stereo Outputs	2 groups	2 groups	2 groups	2 groups
Display	Yes (with Bluetooth)	Yes (with Bluetooth)	Yes (with Bluetooth)	Yes (with Bluetooth)
Faders	Straight Slider	Straight Slider	Straight Slider	Straight Slider
Dimension (W $\times$ H $\times$ D)	44.5 $\times$ 53.2 $\times$ 15 cm	54 $\times$ 53.2 $\times$ 15 cm	64.2 $\times$ 53.2 $\times$ 15 cm	87.4 $\times$ 53.5 $\times$ 15 cm
Nett Weight / Gross Weight	3.3 kg / 4 kg	4.5 kg / 5.2 kg	5.1 kg / 6 kg	6.2 kg / 7 kg

Audio Mixing Console





Digital Audio Mixing Console

Step into the future of sound control with our Digital Audio Mixing Consoles. Harness cutting-edge technology for precise, versatile mixing in any environment. Redefine your audio possibilities effortlessly.

Leopard series

M 16D | Leopard Series 16-Channel Digital Mixer

M 24D | Leopard Series 24-Channel Digital Mixer

M 32D | Leopard Series 32-Channel Digital Mixer

The Leopard Series, comprising the M16D, M24D, and M32D digital audio mixers, represents a cutting-edge leap in sound engineering technology. Developed on a robust Linux platform, these mixers are not susceptible to viruses, ensuring stable and secure operations. Each model features a powerful quad-core processor, rapid boot-up times of 17 seconds, and intuitive controls with user friendly display options for ease of use. From seamless wired to wireless transitions within network areas, the series offers flexibility allowing sound technicians to move freely and adjust settings remotely, enhancing the user experience.

Distinguished by their sophisticated channel configurations, the M16D, M24D, and M32D are equipped with numerous professional-grade features. These include multiple MIC inputs with digital gain adjustment, +48V phantom power, built-in noise gates, compressors, and a comprehensive array of output options. High-resolution touch displays, extensive parametric equalization, and dual DSP effects per channel enrich the sound customization capabilities. Moreover, each model supports quick scene recalls and user-specific parameter storage, offering unparalleled control for live performances and studio settings.



M 16D



M 24D



M 32D



Support for iPad
remote operation

Digital Audio Mixing Console

M 16D		
Mic/Line Input	Mic/Line Inputs: 1-12	Balanced, XLR and 1/4" TRS jack,
	Input Sensitivity (XLR/ TRS)	XLR:0.175mV TRS:6mV
	Analogue Gain	-32dB To 10dB , 0.6~0.7 Steps
	Maximum Input Level (XLR / TRS)	+23dBu/+17dBu
	Input Impedance (XLR / TRS)	MIC> 10KΩ , LINE>5KΩ
	Mic Stereo Line Inputs	Yes
	Parameters linked	EQ, dynamics, insert, delay, assignments, sends, Ducker
	Polarity	Normal/Reverse
Stereo Line Inputs	ST1	Balanced, 1/4" TRS Jack
	ST2 Connector	USB B Streaming, USB, S/ PDIF
	Input Sensitivity	Nominal 4dB
	Analogue Gain	-32dB To 10dB , 0.6~0.7 Steps
	Maximum Input Level	+29dB
	Input Impedance	>7kΩ
	Stereo linked	Yes
	Parameters linked	EQ, dynamics, insert, delay, assignments, sends, Ducker
Output	Mix1-8 and LR Out	Balanced, XLR, LIR, 2SUB,4AUX
	Output Impedance	<75Ω
	Nominal Output	+4dBu=0dB meter reading
	Residual Output Noise	=-91 dBu
	Mix insertion	Assign FX to the mix channel
	Dynamic Range	<=110dB
	S/N Ratio	XLR=> 92dB,TRS=>82dB
	Maximum Output Level	4VAC MAX
	THD	<0.005% (1KHzFull Power)
	Frequency Response	20Hz-20kHz+/-0.5dB
	Sampling Rate	48kHz ±100PPM
	ADC/DCA	24 bit Delta-sigma
FX	Internal FX	2x RackFX engine,Send>Return or Inserted
	Types	Reverbs, Delays, Gated Reverb, ADT
	2 dedicated Stereo FX returns	Fader, Pan, Mute, Routing to Mix/LR, 5-Band PEQ
Operating System	Linux	Chinese or English

Control	Faders	ALPS 100mm motorised
	Touch Screen	5" TFT 480 x 272 resolution
	Output Groups	Yes
	Mute Groups	No
	Network	TCP/IP Ethernet for PC and iOS apps
	System Update	USB disk
	Wire connect	Windows PC software
	Wireless connect	Windows PC/iPad/android
Input Processing	Source	Local CH1-CH12, ST1, STLocal ST3 digital
	EQ	5-Band EQ, (20Hz--20kHz)±12dB, Q 0.3~15 available
	High and low pass	12dB/24dB,(BT/BS/LRK),20-20K
	Noise gate	Through the switch
	Gate threshold	-135dB To -40dB
	Attack /release	50us-30ms/10ms-5s
	Compressor	Through the switch
	Threshold / Ratio	-40dB-+6dB/1:1 infinity
	Delay	MAX 20ms
Output Processing	Output channels	L/R,2SUB,4AUX
	EQ	12 Bands EQ, (20Hz--20kHz)±12dB,Q0.3~15 available
	High and low pass	12dB/24dB,(BT/BS/LRK),20-20kHz
	Compressor	Through the switch
	Threshold / Ratio	-40dB-+6dB/1:1 infinity
	Delay	MAX 30ms
USB	Driver	CH340(USB A)
	USB A	USB disk
	Stereo Record	2channels(wav/mp3)48kHz 24
	Stereo Playback	2channels(WAV/MP3)32-96kHz,16-24Bit
USB Audio	USB Audio Streaming	USB B
	Send (upstream)	2channels WAV,32kHz-96kHz 24Bit
	Return (downstream)	2Channels WAV, MP3,48kHz,24Bit
Power		100-240VAC,50-60Hz,150W
Dimensions (W x H x D)		515 x 417 x 215 mm
Nett Weight / Gross Weight		7.7 kg / 12 kg

Digital Audio Mixing Console

M 24D		
Mic/Line Input	Mic/Line Inputs: 1-24	Balanced, XLR and 1/4" TRS jack,
	Input Sensitivity (XLR/ TRS)	XLR :0.175mV TRS: 6mV
	Analogue Gain	-32dB To 10dB , 0.6~0.7 Steps
	Maximum Input Level (XLR / TRS)	+23dBu/ +17dBu
	Input Impedance (XLR / TRS)	MIC>10KΩ , LINE>5KΩ
	Mic Stereo Line Inputs	Yes
	Parameters linked	EQ, dynamics, insert, delay, assignments, sends, Ducker
	Polarity	Normal/Reverse
Stereo Line Inputs	ST1	Balanced, 1/4" TRS Jack
	ST2 Connector	USB B Streaming, USB, S/ PDIF
	Input Sensitivity	Nominal 4dB
	Analogue Gain	-32dB To 10dB, 0.6 ~ 0.7 Steps
	Maximum Input Level	+29dB
	Input Impedance	>7kΩ
	Stereo linked	Yes
	Parameters linked	EQ, dynamics, insert, delay, assignments, sends, Ducker
Output	Mix1-10 and LR Out	Balanced, XLR, L/R,4SUB,6AUX
	Output Impedance	<75Ω
	Nominal Output	+4dBu=0dB meter reading
	Residual Output Noise	=-91dBu
	Mix insertion	Assign FX to the mix channel
	Dynamic Range	<=110dB
	S/N Ratio	XLR=> 92dB,TRS=>82dB
	Maximum Output Level	4VAC MAX
	THD	<0.005% (1KHzFull Power)
	Frequency Response	20Hz-20kHz+/-0.5dB
	Sampling Rate	48kHz ±100PPM
	ADC/DCA	24 bit Delta-sigma
FX	Internal FX	4x RackFX engine,Send>Return or Inserted
	Types	Reverbs, Delays, Gated Reverb, ADT
	4 dedicated Stereo FX returns	Fader, Pan, Mute, Routing to Mix/LR, 5-Band PEQ
Operating System	Linux	Chinese or English

Control	Faders	ALPS 100mm motorised
	Touch Screen	7" TFT, 1024 x 600 resolution
	Output Groups	Yes
	Mute Groups	No
	Network	TCP/IP Ethernet for PC and iOS apps
	System Update	USB disk
	Wire connect	Windows PC software
	Wireless connect	Windows PC/iPad/android
Input Processing	Source	Local CH1-CH24, ST1 Local ST2 digital
	EQ	5-Band EQ, (20Hz--20kHz)±12dB, Q 0.3~15 available
	High and low pass	12dB/24dB,(BT/BS/ LRK),20Hz-20kHz
	Noise gate	Through the switch
	Gate threshold	-135dB To -40dB
	Attack /release	50us-30ms/10ms-5s
	Compressor	Through the switch
	Threshold / Ratio	-40dB-+6dB/1:1 infinity
	Delay	MAX 20ms
Output Processing	Output channels	L/R,4SUB,6AUX
	EQ	15 Bands EQ, (20Hz--20kHz)±12dB,Q0.3~15 available
	High and low pass	12dB/24dB,(BT/BS/ LRK),20Hz-20kHz
	Compressor	Through the switch
	Threshold / Ratio	-40dB-+6dB/1:1 infinity
	Delay	MAX 30ms
USB	Driver	CH340(USB A)
	USB A	USB disk
	Stereo Record	2channels(wav/mp3)48kHz 24Bit
	Stereo Playback	2channels(WAV/MP3)32-96kHz,16-24Bit
USB Audio	USB Audio Streaming	USB B
	Send (upstream)	2channels WAV,32kHz-96kHz 24Bit
	Return (downstream)	2Channels WAV, MP3,48kHz,24Bit
Power		100-240VAC,50-60Hz,150W
Dimensions (W x H x D)		637 x 515 x 215 mm
Nett Weight / Gross Weight		12 kg / 15.5 kg

Digital Audio Mixing Console

M 32D		
Mic / Line Input	Mic/Line Inputs: 1-32	Balanced, XLR and 1/4" TRS jack,
	Input Sensitivity (XLR/ TRS)	XLR :0.175mV TRS: 6mV
	Analogue Gain	-32dB To 10dB , 0.6~0.7 Steps
	Maximum Input Level (XLR / TRS)	+23dBu/ +17dBu
	Input Impedance (XLR / TRS)	MIC>10KΩ , LINE>5KΩ
	Mic Stereo Line Inputs	Yes
	Parameters linked	EQ, dynamics, insert, delay, assignments, sends, Ducker
	Polarity	Normal/Reverse
Stereo Line Inputs	ST1	Balanced, 1/4" TRS Jack
	ST2 Connector	USB B Streaming, USB, S/ PDIF
	Input Sensitivity	Nominal 4dB
	Analogue Gain	-32dB To 10dB, 0.6 ~ 0.7 Steps
	Maximum Input Level	+29dB
	Input Impedance	>7kΩ
	Stereo linked	Yes
	Parameters linked	EQ, dynamics, insert, delay, assignments, sends, Ducker
Output	Mix1-10 and LR Out	Balanced, XLR, L/R, 4SUB, 6AUX
	Output Impedance	<75Ω
	Nominal Output	+4dBu=0dB meter reading
	Residual Output Noise	=-91dBu
	Mix insertion	Assign FX to the mix channel
	Dynamic Range	<=110dB
	S/N Ratio	XLR=> 92dB,TRS=>82dB
	Maximum Output Level	4VAC MAX
	THD	<0.005% (1KHzFull Power)
	Frequency Response	20Hz-20kHz+/-0.5dB
	Sampling Rate	48kHz ±100PPM
	ADC/DCA	24 bit Delta-sigma
FX	Internal FX	4x RackFX engine, Send > Return or Inserted
	Types	Reverbs, Delays, Gated Reverb, ADT
	4 dedicated Stereo FX returns	Fader, Pan, Mute, Routing to Mix/LR, 5-Band PEQ
Operating System	Linux	Chinese or English

Control	Faders	ALPS 100mm motorised
	Touch Screen	7" TFT, 1024 x 600 resolution
	Output Groups	Yes
	Mute Groups	No
	Network	TCP/IP Ethernet for PC and iOS apps
	System Update	USB disk
	Wire connect	Windows PC software
	Wireless connect	Windows PC/iPad/android
Input Processing	Source	Local CH1-CH32, ST1 Local ST2 digital
	EQ	5-Band EQ, (20Hz--20kHz)±12dB, Q 0.3~15 available
	High and low pass	12dB/24dB,(BT/BS/LRK),20Hz-20kHz
	Noise gate	Through the switch
	Gate threshold	-135dB To -40dB
	Attack /release	50us-30ms/10ms-5s
	Compressor	Through the switch
	Threshold / Ratio	-40dB-+6dB/1:1 infinity
	Delay	MAX 20ms
Output Processing	Output channels	L/R,4SUB,6AUX
	EQ	15 Bands EQ, (20Hz--20kHz)±12dB,Q0.3~15 available
	High and low pass	12dB/24dB,(BT/BS/LRK),20-20kHz
	Compressor	Through the switch
	Threshold / Ratio	-40dB-+6dB/1:1 infinity
	Delay	MAX 30ms
USB	Driver	CH340(USB A)
	USB A	USB disk
	Stereo Record	2channels(wav/mp3)48kHz 24Bit
	Stereo Playback	2channels(WAV/MP3)32-96kHz,16-24Bit
USB Audio	USB Audio Streaming	USB B
	Send (upstream)	2channels WAV,32kHz-96kHz 24Bit
	Return (downstream)	2Channels WAV, MP3,48kHz,24Bit
Power		100-240VAC,50-60Hz,150W
Dimensions (W x H x D)		791 x 515 x 215 mm
Nett Weight / Gross Weight		15 kg / 18 kg

Digital Audio Mixing Console

Jaguar series

M 20DS | Jaguar Series 20-Channel Digital Mixer

M 24DS | Jaguar Series 24-Channel Digital Mixer

M 32DS | Jaguar Series 32-Channel Digital Mixer

The Jaguar digital audio mixing consoles, including the M 20DS, M 24DS, and M 32DS, offer versatile solutions for audio production with key features tailored for professional use. Built on a stable Linux operating system, the series ranges from 12 to 32 MIC/Line inputs to accommodate various input types, including stereo and digital AES inputs. The mixers feature a 10.1-inch 1280×800 HD touchscreen.

These consoles are equipped with professional effect DSP chips, customizable TFT LCD displays for each channel, and a built-in RTA real-time spectrum display function. Unique to the series are the high-precision ALPS electric push faders and the option for remote control via PC, iPad, or Android devices. They also ensure data safety with automatic shutdown parameter saving and offer integration convenience

via RS232 central control. Moreover, the Jaguar Series is enhanced with an onboard signal generator capable of producing pink noise, sine waves, and white noise; customizable user buttons for tailored control; and an integrated sound card for direct music playback from a PC or MP3. It features four quick recall scene modes and storage for up to 100 scenes. For expanded connectivity, the series supports extensive I/O expansion through both the EB 01DS Expansion Box Amplifier and the DM 32DS Jaguar Series 16-Channel DANTE Expansion Box. It also supports multi-channel playback and recording, alongside Bluetooth 5.0 for digital playback. This comprehensive suite of features positions the Jaguar Series as a versatile and reliable choice for professional audio mixing, meeting the demands of a wide range of environments and applications.



M 20DS



M 24DS



M 32DS



Support for iPad
remote operation

Digital Audio Mixing Console

M 20DS		
Mic/Line Input	Mic/Line Inputs: 1-16(Local)	Balanced, XLR and 1/4" TRS Jack
	Input Sensitivity (XLR/ TRS)	XLR:6mV TRS:7mV
	Input electron gain	-32dB To 10dB, 0.6-0.7 Steps
	Maximum Input Level (XLR / TRS)	+23dBu
	Input Impedance (XLR / TRS)	MIC>10kΩ, LINE>5kΩ
	Mic Stereo Line Inputs	YES
	Parameters linked	EQ, Dynamics, insert, delay, assignments, sends, Ducker
	Polarity	Normal/Reverse
Stereo Line Inputs	ST1/ST2	RCA Socket
	ST3 connector	USB B Streaming, USB, S/ PDIF
	Input Sensitivity	Nominal 4dB
	Analog Gain	-32dB To 10dB, 0.6-0.7 Steps
	Maximum Input Level	+29dB
	Input Impedance	>7kΩ
	Stereo linked	Yes
Outputs	Mix1-12 and LR Out(Local)	Balanced , XLR, UR,12AUX (1-12)
	Output Impedance	<75 Ω
	Nominal Output	=+4dBu=0dB meter reading
	Residual Output Noise	=-91dBu
	Mix insertion	Assign FX to the mix channel
	Dynamic Range	<=115dB
	S/N Ratio	XLR=> 92dB, TRS => 82dB
	Maximum Output Level	8VAC MAX
	THD	<0.018% (1kHz Full Power)
	Frequency Response	20Hz-20kHz +/- 0.5dB
	Sampling Rate	48kHz ± 100PPM
	ADC/DCA	24bit Delta-sigma
FX	Internal FX	4x RackFX engine, Send>Return or Inserted
	Types	Reverbs, Delays, Gated Reverb, ADT
	4dedicated Stereo FX returns	Fader, Pan, Mute, Routing to Mix/LR, 5-Band PEQ
Operating System	Linux	Chinese or English

Control	Faders	ALPS 100mm motorised
	Touch Screen	10.1" TFT, 1280x800 resolution
	DCA Groups	Eight
	Mute Groups	Eight
	Network	TCP/IP Ethernet for PC and iOS apps
	System Update	USB disk
	Wire connect	Windows PC software
	Wireless connect	Windows PC/iPad/android
Input Processing	Source	Local CH1-CH16, ST1ST2 Local ST3 digital
	EQ	5-Band EQ, (20Hz-20kHz)±12dB, Q 0.3~15 available
	High and low pass	12dB/24dB, (BT/BS/LRK), 20Hz-20kHz
	Noise gate	Through the switch
	Gate threshold	-135dB to -40dB
	Attack /release	50us-30ms/10ms-5s
	Compressor	Through the switch
	Threshold / Ratio	-40dB to +6dB/1:1 infinity
	Delay	MAX40ms
	Remote Extension	Input 1-16, output 1-8. FX1/2
Output Processing	Output channels	L/ R, 12AUX (1- 12)
	EQ	15 Bands EQ, (20Hz-20kHz) +12dB, Q0.3~15 available
	High and low pass	12dB/24dB, (BT/BS/LRK), 20Hz-20kHz
	Compressor	Through the switch
	Threshold / Ratio	-40dB to +6dB/1:1 infinity
	Delay	MAX300ms
	USB	
USB	Driver	CH340 (USB A)
	USB A	USB Disk
	Stereo Record	2 channels (wav/mp3) 48kHz 24 Bit
USB Audio	Stereo Playback	2 channels (WAV/MP3) 32-96kHz, 16-24bit
	USB Audio Streaming	USB B
	Send (upstream)	8 channels WAV, 32kHz-96kHz 24bit
Power	Return (downstream)	8 Channels WAV, MP3, 48kHz, 24Bit
Power		100-240VAC,50-60Hz, 150W
Dimensions (W x H x D)		515 x 503 x 255 mm
Nett Weight / Gross Weight		13.5 kg / 16.5 kg

Digital Audio Mixing Console

M 24DS		
Input	Mic/Line Inputs: 1-24(Local)	Balanced, XLR and 1/4" TRS Jack
	Input Sensitivity (XLR/ TRS)	XLR:6mV TRS:7mV
	Input electron gain	-32dB To 10dB, 0.6-0.7 Steps
	Maximum Input Level (XLR / TRS)	+23dBu
	Input Impedance (XLR / TRS)	MIC>10KΩ, LINE>5KΩ
	Mic Stereo Line Inputs	YES
	Parameters linked	EQ, Dynamics, insert, delay, assignments, sends, Ducker
	Polarity	Normal/Reverse
Stereo Line Inputs	ST1/ST2	RCA Socket
	ST3 connector	USB B Streaming, USB, S/ PDIF
	Input Sensitivity	Nominal 4dB
	Analog Gain	-32dB To 10dB, 0.6-0.7 Steps
	Maximum Input Level	+29dB
	Input Impedance	>7kΩ
	Stereo linked	Yes
Outputs	Mix1-14 and LR Out(Local)	Balanced, XLR, UR,14AUX (1-14)
	Output Impedance	<75 Ω
	Nominal Output	=+4dBu=0dB meter reading
	Residual Output Noise	=-91dBu
	Mix insertion	Assign FX to the mix channel
	Dynamic Range	<=115dB
	S/N Ratio	XLR => 92dB, TRS => 82dB
	Maximum Output Level	8VAC MAX
	THD	<0.018% (1kHz Full Power)
	Frequency Response	20Hz-20kHz +/- 0.5dB
	Sampling Rate	48kHz ± 100PPM
	ADC/DCA	24bit Delta-sigma
FX	Internal FX	4x RackFX engine, Send>Return or Inserted
	Types	Reverbs, Delays, Gated Reverb, ADT
	4dedicated Stereo FX returns	Fader, Pan, Mute, Routing to Mix/LR, 5-Band PEQ
Operating System	Linux	Chinese or English

Control	Faders	ALPS 100mm motorised
	Touch Screen	10.1" TFT, 1280x800 resolution
	DCA Groups	Eight
	Mute Groups	Eight
	Network	TCP/IP Ethernet for PC and iOS apps
	System Update	USB disk
	Wire connect	Windows PC Software
	Wireless connect	Windows PC/iPad/android
Input Processing	Source	Local CH1-CH24, ST1ST2 Local ST3 digital
	EQ	5-Band EQ, (20Hz-20kHz)±12dB, Q 0.3~15 available
	High and low pass	12dB/24dB, (BT/BS/LRK), 20Hz-20kHz
	Noise gate	Through the switch
	Gate threshold	-135dB to -40dB
	Attack /release	50us-30ms/10ms-5s
	Compressor	Through the switch
	Threshold / Ratio	-40dB to +6dB/1:1 infinity
	Delay	MAX40ms
	Remote Extension	Input 1-16, output 1-8. FX1/2
Output Processing	Output channels	L/ R, 14AUX (1- 14)
	EQ	15 Bands EQ, (20Hz-20kHz) +12dB, Q0.3~15 available
	High and low pass	12dB/24dB, (BT/BS/LRK), 20Hz-20kHz
	Compressor	Through the switch
	Threshold / Ratio	-40dB to +6dB/1:1 infinity
	Delay	MAX300ms
	USB	
USB	Driver	CH340 (USB A)
	USB A	USB Disk
	Stereo Record	2 channels (wav/mp3) 48kHz 24 Bit
USB Audio	Stereo Playback	2 channels (WAV/MP3) 32-96kHz, 16-24 Bit
	USB Audio Streaming	USB B
	Send (upstream)	8 Channels WAV, 32kHz-96kHz 24 Bit
Power	Return (downstream)	8 Channels WAV, MP3, 48kHz, 24 Bit
Power		100-240VAC,50-60Hz, 150W
Dimensions (W x H x D)		746 x 509 x 248 mm
Nett Weight / Gross Weight		16.5 kg / 20 kg

Digital Audio Mixing Console

M 32DS		
Input	Mic/Line Inputs: 1-32(Local)	Balanced, XLR and 1/4" TRS Jack
	Input Sensitivity (XLR/ TRS)	XLR:6mV TRS:7mV
	Input electron gain	-32dB To 10dB, 0.6-0.7 Steps
	Maximum Input Level (XLR / TRS)	+23dBu
	Input Impedance (XLR / TRS)	MIC>10KΩ, LINE>5KΩ
	Mic Stereo Line Inputs	YES
	Parameters linked	EQ, Dynamics, insert, delay, assignments, sends, Ducker
	Polarity	Normal/Reverse
Stereo Line Inputs	ST1/ST2	RCA Socket
	ST3 connector	USB B Streaming, USB, S/ PDIF
	Input Sensitivity	Nominal 4dB
	Analog Gain	-32dB To 10dB, 0.6-0.7 Steps
	Maximum Input Level	+29dB
	Input Impedance	>7KΩ
	Stereo linked	Yes
Outputs	Mix1-14 and LR Out(Local)	Balanced, XLR, UR,14AUX (1-14)
	Output Impedance	<75 Ω
	Nominal Output	=+4dBu=0dB meter reading
	Residual Output Noise	=-91dBu
	Mix insertion	Assign FX to the mix channel
	Dynamic Range	<=115dB
	S/N Ratio	XLR => 92dB, TRS => 82dB
	Maximum Output Level	4VAC MAX
	THD	<0.018% (1KHz Full Power)
	Frequency Response	20HZ-20kHz +/- 0.5dB
	Sampling Rate	48kHz ± 100PPM
	ADC/DCA	24bit Delta-sigma
FX	Internal FX	4x RackFX engine, Send>Return or Inserted
	Types	Reverbs, Delays, Gated Reverb, ADT
	4dedicated Stereo FX returns	Fader, Pan, Mute, Routing to Mix/LR, 5-Band PEQ
Operating System	Linux system	Chinese or English

Control	Faders	ALPS 100mm motorised
	Touch Screen	10.1" TFT, 1280x800 resolution
	DCA Groups	Eight
	Mute Groups	Eight
	Network	TCP/IP Ethernet for PC and iOS apps
	System Update	USB disk
	Wire connect	Windows PC Software
	Wireless connect	Windows PC/iPad/android
Input Processing	Source	Local CH1-CH32, ST1ST2 Local ST3 digital
	EQ	5-Band EQ, (20Hz-20kHz)±12dB, Q 0.3~15 available
	High and low pass	12dB/24dB, (BT/BS/LRK), 20Hz-20kHz
	Noise gate	Through the switch
	Gate threshold	-135dB to -40dB
	Attack /release	50us-30ms/10ms-5s
	Compressor	Through the switch
	Threshold / Ratio	-40dB to +6dB/1:1 infinity
	Delay	MAX 40ms
Remote Extension		Input 1-16, output 1-8. FX1/2
Output Processing	Output channels	L/R,14AUX (1-14)
	EQ	15 Bands EQ, (20Hz-20kHz) +12dB, Q0.3~15 available
	High and low pass	12dB/24dB, (BT/BS/LRK), 20Hz-20kHz
	Compressor	Through the switch
	Threshold / Ratio	-40dB to +6dB/1:1 infinity
	Delay	MAX 300ms
USB	Driver	CH340 (USB A)
	USB A	USB Disk
	Stereo Record	2 channels (wav/mp3) 48kHz 24
	Stereo Playback	2 channels (WAV/MP3) 32-96kHz, 16-24bit
USB Audio	USB Audio Streaming	USB B
	Send (upstream)	8 channels WAV, 32kHz-96kHz 24bit
	Return (downstream)	8 Channels WAV, MP3, 48kHz, 24Bit
Power		100-240VAC,50-60Hz, 150W
Dimensions (W x H x D)		515 x 910 x 245 mm
Nett Weight / Gross Weight		19.3 kg / 24 kg

Digital Audio Mixing Console

EB 01DS | Jaguar Series Expansion Box Amplifier

EB 16DS | Jaguar Series 16 Channel Digital Expansion Box

EB 32DS | Jaguar Series 32 Channel Digital Expansion Box

The EB 16DS and EB 32DS deliver high-performance digital audio expansion with flexible connectivity and superior build quality. The EB 16DS features 16 mic preamp input channels with independent 48V phantom power and 8 balanced XLR output channels, while the EB 32DS offers 32 high-quality mic preamp input channels and 16 balanced XLR outputs. Both models support ultra-low-latency network transmission over CAT5 or CAT6 cables, with a maximum distance of 80 meters, and feature

dual expansion ports that eliminate the need for additional extenders or routers. Designed for seamless integration with Jaguar Series, these units allow remote control of power and settings, making them a reliable and durable solution for professional audio systems. For cable connections exceeding 40 meters, the EB 01DS Expansion Box Amplifier ensures signal stability and integrity, offering seamless compatibility with the EB 16DS and EB 32DS for extended network performance.



EB 01DS



EB 16DS



EB 32DS

	EB 16DS	EB 32DS
Mic Preamp Input Channels	16 with independent 48V phantom power	32 with independent 48V phantom power
Analog XLR Output Channels	8 balanced	16 balanced
Network Transmission	Ultra-low latency	Ultra-low latency
Cable Type	CAT5 (up to 80m)	CAT6 (up to 80m)
Expansion Ports	2 (no extender or router needed)	2 (no extender or router needed)
Remote Control	Supported via digital console	Supported via digital console
48V Phantom Power Indicators	16	32
Dimensions (W x D x H)	480 x 290 x 100 mm	485 x 325 x 195 mm
Weight	2.7 kg	3.8 kg

Digital Audio Mixing Console

DM 32DS | Jaguar Series 32x32 Dante Module

EB 16DS(DANTE) | Jaguar Series 16 Channel DANTE Expansion Box

The EB 16DS(DANTE) and DM 32DS are cutting-edge solutions for expanding and integrating audio networks seamlessly. The EB 16DS(DANTE) features 16-channel analog line inputs and outputs, each with independent 48V phantom power and feedback suppression capabilities. A 4.3-inch TFT touch screen provides real-time input/output monitoring, and the dual-network ports enable redundant, stable Dante network configurations. With a 7-band parametric

EQ for each channel and flexible routing via Dante Controller, it ensures precise control and adaptability for professional systems. Complementing this, the DM 32DS Dante module offers 32x32-channel network audio I/O, enabling digital consoles to connect effortlessly to any Dante-enabled AV network, delivering unmatched scalability and system integration for modern audio infrastructures.



DM 32DS



EB 16DS(DANTE)

EB 16DS(DANTE)	
Analog Channels	16-channel analog line input/output, compatible with Dante protocol
Phantom Power	Independent 48V phantom power control for each input channel
Feedback Suppression	Independent feedback suppression for each input channel
Display	4.3-inch TFT color touch screen, real-time input/output status display
EQ Adjustment	Independent 7-band parametric EQ for each input and output channel
Network Ports	Dual-network ports (primary and backup) for building redundant systems
USB Debugging	Supports USB connection for PC debugging
Routing Configuration	Flexible routing configuration via Dante Controller
Connectors	16 XLR connectors for inputs and 16 XLR connectors for outputs
Rack Size	2.5U rack-mountable design
Dimensions (W x D x H)	550 x 392 x 150 mm
Weight	2.6 kg

Digital Audio Mixing Console





DSP / Matrix Processor

Transform your audio landscape with our DSP/Matrix Processors. Elevate sound customization with advanced digital signal processing, ensuring unparalleled clarity and control. Redefine your sonic experience effortlessly.

DSP 01 | Digital Effect Processor

The DSP 01 is a cutting-edge audio processor equipped with an ADI 28-/56-bit DSP algorithm chip, providing a 192K sampling rate and supporting 5.1 channel audio (main stereo, subwoofer, center, and rear stereo). The front panel features a 2.0-inch TFT color screen with dual-language support (English and Chinese), allowing users to visualize volume parameters, microphone inputs, and music levels. This device offers 8 built-in factory effect modes, with customization options to suit specific needs.



Software Included

Its advanced audio decoding chip supports USB playback, optical and coaxial input, and Bluetooth 5.1 protocol, delivering high-quality, low-latency Hi-Res audio processing. Additionally, the DSP 01 includes professional reverb echo algorithms compatible with various microphones, ensuring high vocal resolution and low distortion. The device also features feedback suppression, noise gate, power on/off protection, and panel lock functions.



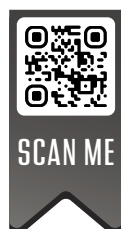
DSP 01

DSP 01	
Input Channels	2 x Mic (Front TRS); 2 x Mic (Rear, XLR); DVD (RCA); BGM, (RCA)
Input Impedance (Balanced/Unbalanced)	Bal: 20kΩ / Unbal: 10kΩ
Max Microphone Input Level	200mVrms / Peak 70mVrms
Max RCA Input Level	1.7Vrms / Peak 450mVrms
Output Channels	Main L, Main R, Center, Surround L, Surround R
Output Impedance (Balanced/Unbalanced)	Bal: 100Ω / Unbal: 50Ω
Max Output Level	2.5Vrms
DSP Algorithm Chip	ADI 28-/56-bit
Sampling Rate	192K
Supported Channels	5.1 (main stereo, subwoofer, center, rear stereo)
Parameter Adjustments	PEQ, HPF, LPF, Phase
Display	2.0-inch TFT color screen, English and Chinese
Built-in Effect Modes	8 factory modes, customizable
Audio Decoding Chip	Supports USB playback, optical, coaxial input, Bluetooth 5.1
Feedback Suppression	Yes
Noise Gate	Yes
Power On/Off Protection	Yes
Panel Lock	Yes
Frequency Response	20Hz-20kHz @ +4dBu: +0/-0.3dB
Total Harmonic Distortion	<0.08% (20Hz-20kHz @ +4dBu)
Signal-to-Noise Ratio	98dB @ +4dBu A-weighted
Noise Level	90μV
Channel Separation	<-101dB @ +4dBu
EQ Gain Range	±18dB
Power Consumption	220V - 10 watts
Dimension (W x D x H)	485 x 230 x 44.5 mm
Weight	4.4 kg

DSP / Matrix Processor

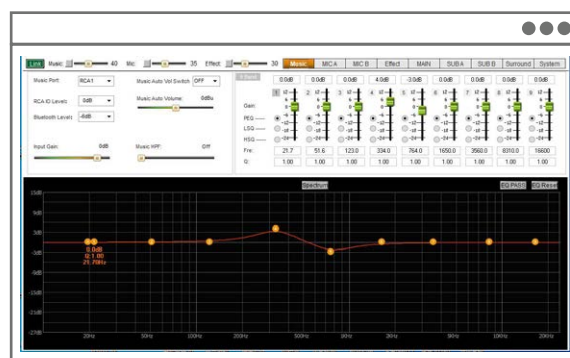
DSP 02 | Digital Effect Processor

DSP 02 provides two microphone inputs with independent volume and sensitivity adjustment, and an infrared receiver for remote control. It has an LCD HD display for detailed parameter adjustments and status. The panel includes a MUTE button for one-click muting of output channels and a UV level light for visualizing the audio level of the main output's left and right channels. Equipped with Bluetooth 3.0



DSP 02

for connecting to mobile devices, it supports fiber optic input with a 32-bit high sampling rate decoding chip for low latency, lossless playback. Other features include USB drive MP3 playback, PC-LINK for online debugging, RS-232 serial port for central control, and programming with a robust construction weighing 4.5kg.



Software Included

DSP 02	
Input Channels	2x Mic (Front TRS) 2x Mic (Rear TRS) 2x AUX (RCA)
Output Channels	Main L, Main R, Surround L, Surround R, Subwoofer L, Subwoofer R
Signal to Noise Ratio (SNR)	≥80dB
Distortion (THD)	≤0.6% (Output XLR 1Vrms @ 1kHz)
Frequency Response	10Hz - 20kHz ±3.0dB
Input Sensitivity/Impedance	350 ± 10% mV / 20kΩ
Maximum Output	≥ 2.5Vrms XLR Out / ≥ 6.0Vpp XLR Out
Microphone Part	
Signal to Noise Ratio (SNR)	≥80dB
Distortion (THD)	≤0.8% (Output XLR 1Vrms @ 1kHz)
Frequency Response	100Hz - 20kHz ±3.0dB
Input Sensitivity/Impedance	50 ± 10% mV / 20kΩ
Maximum Output	≥ 2.5Vrms XLR Out / ≥ 6.0Vpp XLR Out
Other Function Description	
Microphone Input Interface	6.35mm (5 Mic Sockets)
Computer Control Interface	RS232/USB
Power Supply	AC 220V/50Hz
Additional Features	5.1 Decoding, Dual Mic Adjustment, EQ
Dimension (W x D x H)	485 x 230 x 44.5 mm
Weight	4.5kg

DSP / Matrix Processor

EQ 231 | Advanced Analog 31-Band Dual Channel Equalizer

EQ 131 | Advanced Digital 31-Band Dual Channel Equalizer

The EQ 231 is an analog equalizer featuring TRS or XLR differential balancing input and output, with the option for stereo or subwoofer synthesis by adding left and right channels. Both channels have a x10 range selection switch and a 40Hz high pass filter. Each output includes a phase reversal switch. The device offers independent adjustment of average output power across all frequency bands and employs a 24dB/Linkwitz Reiley filter. It includes a stereo/mono status indicator LED to display the selected working mode.

The EQ 131, featuring advanced 31 bands DSP digital processor technology, excels in high-quality audio input and output processing, significantly

outperforming traditional manually adjustable equalizers. Ideal for professional settings such as radio stations, recording studios, and home theaters, this unit boasts a sleek 1U standard slim rack design. It offers dual-channel synchronous control with precise 31-band EQ equalization and LED spectrum indicators, ensuring clear pitch visualization during use. The EQ 131's standout feature is its real-time 31-band frequency point hopping, achieving 99% spectral accuracy. This, coupled with an efficient noise gate for superior noise reduction and various input/output like TRS/RCA XLR balanced interface, makes it a robust tool for audio enhancement. The device also includes an EQ bypass option, can store up to 10 user-defined modes, and is powered by a 220V supply.



EQ 231



EQ 131



	EQ 231	EQ 131
Type	Analog Equalizer	Digital Equalizer
Input/Output Interface	TRS, XLR	TRS, RCA, XLR
Channels	Stereo/Subwoofer Synthesis	Dual Channel Synchronous Control
Frequency Bands	2x31 bands 1/3rd Octave	2x31 bands 1/3rd Octave
High Pass Filter	40Hz	N/A
Phase Reversal Switch	Yes	N/A
Filter Type	24dB/Linkwitz Reiley	24dB/Linkwitz Reiley
Status Indicator	Stereo/Mono LED	LED Spectrum Indicator
Input Impedance	20kΩ Unbalanced, 40kΩ Balanced	15kΩ (Line)
Output Impedance	330Ω Typical	300Ω (Line)
Frequency Response	20Hz~200kHz, +/- 1dB	20Hz~200kHz
Signal to Noise Ratio	102 dB	82dB
Harmonic Distortion	<0.005%	N/A
Channel Isolation	>50dB	N/A
Adjustment Range	+/-12 dB	N/A
Maximum Output Level	+21 dB	N/A
Power Supply	100 ~ 120/60Hz or 200 ~ 240/50Hz	100 ~ 120/60Hz or 200 ~ 240/50Hz
Power Consumption	N/A	30W
Special Features	N/A	99% Spectral Accuracy, Noise Gate
Dimensions (W x H x D)	482 x 150 x 132 mm	482 x 45 x 132 mm
Weight	2.8 kg	3 kg

DSP / Matrix Processor

DR 08 | Advanced 8-Channel Audio Processor

DR 16 | Advanced 16-Channel Audio Processor

Introducing the DR 88 and DR 1616, advanced intelligent mixing media matrix devices designed to offer unparalleled audio management for various applications. The DR 88 features 8 inputs and 8 outputs, while the DR 1616 provides 16 inputs and 16 outputs. Both models come equipped with USB sound cards for easy recording and playback via PC software. With features like 48V phantom power, auto gain control, noise suppression, and extensive EQ settings on each input and output channel, these devices ensure superior audio quality and flexibility. The Ethernet network control interface allows for easy configuration and real-time monitoring of up to 30 devices simultaneously, making system management seamless and efficient.



Software Included



DR 08



DR 16

	DR 08	DR 16
Processor	ADI SHARC 21489	ADI SHARC 21489
Sampling Rate	48kHz, ± 100 ppm	48kHz, ± 100 ppm
Quantization Number	24 bits	24 bits
Frequency Response	(20~20kHz): ± 0.5 dB	(20~20kHz): ± 0.5 dB
System Delay	< 3ms	< 3ms
Phantom Power Supply	+48V/10mAmax	+48V/10mAmax
Maximum Level	+18dBu	+18dBu
Input Gain	0/6/12/18/24/30/36/42/48 dB	0/6/12/18/24/30/36/42/48 dB
Input Channels	8 balanced	16 balanced
Output Channels	8 balanced	16 balanced
Input Dynamic Range	110dB	110dB
Output Dynamic Range	110dB	110dB
Input Impedance (Balanced)	5.4K Ω	5.4K Ω
Output Impedance (Balanced)	600 Ω	600 Ω
Channel Isolation	@1kHz: 108dB	@1kHz: 108dB
THD + N	-107dB @ 17dBu	-107dB @ 17dBu
Working Power Supply	AC220V, 50Hz	AC220V, 50Hz
Dimensions (W x D x H)	482 x 260 x 45 mm	482 x 260 x 45 mm
Weight	4 kg	4 kg

DSP / Matrix Processor

DMX 88 | DSP Matrix 8 Input 8 Output

DMX 1616 | DSP Matrix 16 Input 16 Output



Software Included

The DMX 88 and DMX 1616 are cutting-edge Digital Signal Processor (DSP) Matrix models built for professional-grade audio control and performance in diverse applications. The DMX 88 offers 8 analog input and 8 output channels, while the DMX 1616 expands this to 16 input and 16 output channels. Both models feature the powerful ADI SHARC 21489 processor, delivering 400 MIPS and 1.6 GFLOPS of processing power for smooth, accurate audio handling.

Operating at 48 kHz with an input dynamic range of 110 dB and output of 112 dB, these models ensure pristine sound with ultra-low distortion (THD+N < -94 dB at 17 dBu). Designed with flexibility in mind, they feature configurable processing modules and support simultaneous online operation of up to 8 devices.

A built-in USB sound card enables seamless video conferencing with platforms such as ZOOM, Google Meet, Microsoft Teams, Skype, Tencent Meeting, and DingTalk. Key features include Acoustic Echo Cancellation (AEC), Automatic Feedback Control (AFC), noise suppression (ANS), and customizable 12-band British parametric EQ with five filter options. Both models also include Automatic Gain Control (AGC) and Automatic Noise Control (ANC) for optimal clarity in challenging environments. Users can manage up to 30 devices from a single interface via RS232, RS485, and UDP protocols. Ideal for conference rooms, auditoriums, and large-scale applications, the DMX 88 and DMX 1616 deliver superior performance, control, and versatility.



DMX 88



DMX 1616

	DMX 88	DMX 1616
Processor	ADI SHARC 21489	ADI SHARC 21489
Sampling Rate	48kHz, 24bit	48kHz, 24bit
DSP Floating-Point Arithmetic Engine	40bit	40bit
Input Channels	8 balanced	16 balanced
Output Channels	8 balanced	16 balanced
GPID	8	8
Input Gain	0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu	0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu
Phantom Power Supply	+48V/10mA max	+48V/10mA max
Frequency Response	(20~20kHz): ± 0.3 dB	(20~20kHz): ± 0.3 dB
Maximum Level	+18dBu	+18dBu
THD+N	-94dB @17dBu	-94dB @17dBu
Input Dynamic Range	110dB	110dB
Output Dynamic Range	112dB	112dB
Channel Isolation	@1kHz: -108dB	@1kHz: -108dB
Input Impedance (Balanced)	5.4K Ω	5.4K Ω
Output Impedance (Balanced)	600 Ω	600 Ω
System Delay	<3ms	<3ms
Working Power Supply	AC110~240V, 50Hz/60Hz	AC110~240V, 50Hz/60Hz
Dimensions (W x D x H)	482 x 260 x 45mm	482 x 260 x 45mm
Shipping Weight	4KG	4KG

DSP / Matrix Processor

DMX 88D | DSP Matrix 8 Input 8 Output DANTE

DMX 1616D | DSP Matrix 16 Input 16 Output DANTE



Software Included

The DMX 88D and DMX 1616D are premium Digital Signal Processor (DSP) Matrix models featuring integrated DANTE audio networking, ideal for advanced, large-scale audio installations requiring seamless network audio distribution. The DMX 88D provides 8 analog input and 8 output channels, while the DMX 1616D offers 16 input and 16 output channels, both supporting reliable audio over IP.

Powered by the high-performance ADI SHARC 21489 processor delivering 400 MIPS and 1.6 GFLOPS, both models operate at 48 kHz with dynamic ranges of 110 dB (input) and 112 dB (output), ensuring pristine sound with ultra-low distortion (THD+N < -94 dB at 17 dBu). The DANTE interface guarantees lossless, low-latency transmission across multiple devices on standard IP networks.

Advanced features include Acoustic Echo Cancellation (AEC), Automatic Feedback Control (AFC), noise suppression (ANS), and a 12-band British parametric EQ with five filter types for precise tuning. Automatic Gain Control (AGC) and Automatic Noise Control (ANC) further enhance clarity and consistency in any environment. Both models support simultaneous online operation of up to 8 devices and include a built-in USB sound card for seamless integration with ZOOM, Google Meet, Microsoft Teams, Skype, Tencent Meeting, and DingTalk. Users can manage up to 30 devices from a single interface, with comprehensive control via RS232, RS485, and UDP protocols. With DANTE network integration and powerful DSP performance, the DMX 88D and DMX 1616D are ideal for conference rooms, auditoriums, and distributed audio systems, delivering superior sound quality, scalability, and versatility for modern AV environments.



DMX 88D



DMX 1616D

	DMX 88D	DMX 1616D
Processor	ADI SHARC 21489	ADI SHARC 21489 x2
Sampling Rate	48kHz, 24bit	48kHz, 24bit
DSP Floating-Point Arithmetic Engine	40bit	40bit
Analog Input Channels	8 balanced	16 balanced
Analog Output Channels	8 balanced	16 balanced
Dante Input Channels	8	16
Dante Output Channels	8	16
GPID	8	8
Input Gain	0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu	0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu
Phantom Power Supply	+48V/10mA max	+48V/10mA max
Frequency Response	(20~20kHz): ±0.3dB	(20~20kHz): ±0.3dB
Maximum Level	+18dBu	+18dBu
THD+N	-94dB @17dBu	-94dB @17dBu
Input Dynamic Range	110dB	110dB
Output Dynamic Range	112dB	112dB
Channel Isolation	@1kHz: -108dB	@1kHz: -108dB
Input Impedance (Balanced)	5.4KΩ	5.4KΩ
Output Impedance (Balanced)	600Ω	600Ω
System Delay	<3ms	<6ms
Working Power Supply	AC110~240V, 50Hz/60Hz	AC110~240V, 50Hz/60Hz
Dimensions (W x D x H)	482 x 260 x 45mm	482 x 260 x 45mm
Shipping Weight	4KG	4KG

DSP / Matrix Processor

DMX 3232D | DSP Matrix 32 Input 32 Output DANTE

The DMX 3232D is a powerful DSP Matrix designed for professional audio environments, featuring a Dante interface with 32 Dante input and 32 Dante output channels. Equipped with dual ADI SHARC 21489 processors running at 450 MHz, the DMX 3232D delivers exceptional DSP performance with 400 MIPS and 1.6 GFLOPS of processing power, ensuring high-quality sound and seamless audio management.

Operating at a 48 kHz sampling rate, this model offers configurable processing modules that can be tailored to specific requirements. It supports up to 8 devices for simultaneous online operation and integrates a built-in USB sound card for video conferencing

platforms like ZOOM, Tencent Meeting, and DingTalk. Key features include Acoustic Echo Cancellation (AEC) with a 512 ms tail length, Automatic Feedback Control (AFC), Noise Suppression (ANS), Ducker, Automatic Gain Control (AGC), and Automatic Noise Control (ANC). Its 12-band British parametric equalizer allows for precise audio tuning with five filter types.

The DMX 3232D also supports camera tracking and can manage up to 30 devices on a single customizable interface. It offers advanced central control capabilities with RS232, RS485, and UDP, making it the ideal solution for large-scale audio installations in conference rooms, auditoriums, and more.



DMX 3232D



Software Included



DMX 3232D	
Dante Input Channels	32
Dante Output Channels	32
GPIO Channels	8
Processor	ADI SHARC 21489 @ 450 MHz SIMD X2
DSP Processing Capability	400 MIPS, 1.6 GFLOPS
Sampling Rate	48 kHz, ± 100 ppm
THD+N	< -94dB @17dBu
Input Dynamic Range	110dB
Output Dynamic Range	112dB
Simultaneous Online Operation	Up to 8 devices simultaneously
Bus AEC	Tail time: 512ms, Convergence rate: 60dB/s, Echo cancellation depth: 60dB
Independent Channel AFC	Trap wave algorithm, Gain enhancement: 10dB
Noise Suppression (ANS)	Signal-to-noise ratio improvement: 18dB
Ducker	Yes
Noise Gain Compensation (ANC)	Yes
Gain-Shared Automatic Mixing (AMC)	Yes
Gate Mixer	Yes
12-Band British Parametric EQ	Yes, with 5 filter type selections: Parametric, Lowshelf, Highshelf, Lowpass, Highpass
System Delay	< 6ms
Camera Tracking	Yes
Dimensions (W x D x H)	482 x 260 x 45 mm
Weight	4KG

DSP / Matrix Processor

DMX 01CP | Advanced Control Wall Panel

DMX 02CP | Interactive Touch Wall Controller

The DMX 01CP and DMX 02CP are advanced control panels designed to integrate seamlessly with DSP systems of the same brand. The DMX 01CP features a 1.13-inch control panel with a minimum of 32 customizable menu functions and a rotary knob, utilizing the UDP communication protocol and powered by PoE. The DMX 02CP boasts a 4-inch touch screen with a resolution of 480x480, supporting a minimum of 32 control functions including volume control, mute, scene recall, matrix switching, and central control functionalities. It uses the RS-485 communication protocol and is powered by +12VDC. Both panels support user customization and offer versatile installation options, either in-wall or surface-mounted.



DMX 01CP



DMX 02CP

	DMX 01CP	DMX 02CP
Screen Size	1.13 inches	4 inches
Resolution	N/A	480x480
Control Functions	=>32, with rotary knob	=>32, touch screen
Communication Protocol	UDP	RS-485
Address Setting	TCP/IP	N/A
Signal Cable Length	100 meters	100 meters
Power Supply	PoE	+12VDC
Connection Port	RJ-45	4-pin Phoenix connector
Power Consumption	<100mW	<100mW
Compatible with	All series processors	NLP series processors
Color	White	Grey
Material	Aluminum alloy, sandblasted	N/A
Mounting Options	In-wall or surface-mounted	In-wall or surface-mounted
Display Type	OLED, capacitive touch	TFT, capacitive touch
Password Protection	N/A	Yes
Dimensions (W x H)	88 x 88 mm	88 x 88 mm
Weight	180 g	180 g

DSP / Matrix Processor

DMX 03CP | Smart Multi-Device Wall Manager

The DMX 03CP is an 8-inch Android touchscreen controller designed for centralized control of up to 32 devices. It offers comprehensive management of DSP functionalities such as volume, mute, presets, matrix mixing, and device status detection, with user-customizable functions. Utilizing the UDP communication protocol and featuring a high-resolution IPS display, this controller ensures clear visuals and reliable performance. It is powered via PoE or DC 12V, making it versatile and easy to integrate with DSP systems of the same brand.



DMX 03CP

DMX 03CP	
Screen Size	8 inches
Color	Black
Screen Type	IPS
Resolution	1280x800
Brightness	250cd/m ²
System	Android 8.1
Main Chip	Quad-core Cortex-A17, RockChip RK3288
Memory	2GB
Storage	16GB
Contrast Ratio	33.334
Aspect Ratio	0.673
Power Input	DC 12V 1.5A & PoE IEEE802.3AT
Dimensions (W x H x D)	212.2 x 147.6 x 31 mm
Weight	0.7kg

DMX 04CP | Bluetooth Wall Controller

The DMX 04CP is a versatile wall panel that supports the conversion of Bluetooth or stereo signals to Dante/AES67 network digital signals, with Bluetooth signals given the highest priority. It is powered by PoE and is designed for installation in a standard 86 mounting box. The panel connects to devices like smartphones and iPads via Bluetooth, converting the received audio into network digital signals for transmission. With PoE power and audio transmission over a single Ethernet cable, the DMX 04CP ensures easy wiring and stable transmission. A touch button on the panel controls Bluetooth pairing and displays the connection status. The device also supports changing the Bluetooth name.



DMX 04CP

DMX 04CP	
Bluetooth Channels	2
Dante Channels	2
Stereo Channels	2
Sampling Rate	48kHz
Bit Depth	24bit
Power Supply	Class 1 802.3af PoE
Device Latency	<2ms
Dimensions (W x H)	88 x 88 mm
Weight	180 g

DSP / Matrix Processor

SMS 24 | Loudspeaker Management System

SMS 36 | Loudspeaker Management System

SMS 48 | Loudspeaker Management System

The SMS Series Loudspeaker Management System is a high-performance DSP processor supporting multi-channel analog signal routing. Easily controlled via USB or IP, the user-friendly PC interface provides intuitive control. Input channels feature 5-band DEQ, 31-band GEQ, and 15-band PEQ, while output channels include 15-band PEQ with FIR functionality, limiters, and noise gates. With 30 factory presets and customizable configurations, it caters to diverse audio systems. Powered by the ADSP-21571 DSP processor and AK5552 A/D converter, it ensures high-resolution signal processing with a 118dB SNR. The AD1955 DAC provides 24-bit, 192kHz output with a 120dB SNR, meeting the demands of mainstream audio playback.



Software Included



SMS 24



SMS 36



SMS 48

DSP / Matrix Processor

	SMS 24	SMS 36	SMS 48
Input Channels	2 (Balanced)	3 (Balanced)	4 (Balanced)
Output Channels	4 (Balanced)	6 (Balanced)	8 (Balanced)
Frequency Response	20Hz-20kHz@+4dBu (+0/-0.3dB)	20Hz-20kHz@+4dBu (+0/-0.3dB)	20Hz-20kHz@+4dBu (+0/-0.3dB)
Total Harmonic Distortion	<0.003%	<0.003%	<0.003%
Signal-to-Noise Ratio	110dB A-weighted	110dB A-weighted	110dB A-weighted
Dynamic Range	>116dB	>116dB	>116dB
Max Gain (Input to Output)	48dB	48dB	48dB
Max Delay (Input to Output)	750ms	750ms	750ms
Channel Separation	>80dB (Between channels @1kHz)	>80dB (Between channels @1kHz)	>80dB (Between channels @1kHz)
Common Mode Rejection Ratio	60Hz >100dB @+20dBu	60Hz >100dB @+20dBu	60Hz >100dB @+20dBu
Input Impedance	Balanced: 20K / Unbalanced: 10K	Balanced: 20K / Unbalanced: 10K	Balanced: 20K / Unbalanced: 10K
Output Impedance	Balanced: 100Ω / Unbalanced: 50Ω	Balanced: 100Ω / Unbalanced: 50Ω	Balanced: 100Ω / Unbalanced: 50Ω
Max Input Level	+20dBu	+20dBu	+20dBu
Max Output Level	+20dBu	+20dBu	+20dBu
Input Gain Range (Adjustable)	-80dB ~ +12dB	-80dB ~ +12dB	-80dB ~ +12dB
Output Gain Range (Adjustable)	-80dB ~ +12dB	-80dB ~ +12dB	-80dB ~ +12dB
A/D Chip	AK5552	AK5552	AK5552
A/D Sampling Rate	768kHz	768kHz	768kHz
A/D Converter Bit Width	32bit	32bit	32bit
D/A Chip	AD1955	AD1955	AD1955
D/A Sampling Rate	192kHz	192kHz	192kHz
D/A Converter Bit Width	24bit	24bit	24bit
DSP Chip	ADSP-21571	ADSP-21571	ADSP-21571
DSP Frequency	500MHz	500MHz	500MHz
DSP Bit Width	32/40/64-bit Floating Point, Dual-core SHARC+ ARM Cortex-A5TM	32/40/64-bit Floating Point, Dual-core SHARC+ ARM Cortex-A5TM	32/40/64-bit Floating Point, Dual-core SHARC+ ARM Cortex-A5TM
Power Consumption	220V 22W	220V 22W	220V 22W
Screen	LCD Display	LCD Display	LCD Display
Dimension (W x H x D)	483 x 205 x 45 mm	483 x 205 x 45 mm	483 x 205 x 45 mm
Weight	2.38 kg	2.4 kg	2.45 kg

DSP / Matrix Processor

AFS 0201 | Advanced 2-Channel Feedback Destroyer

AFS 0202 | 2-Channel Feedback Destroyer

The AEX AFS series offers a powerful solution for eliminating acoustic feedback in any sound reinforcement system. These 2-channel feedback destroyers are engineered to preserve signal integrity while intelligently preventing the howls and squeals that can ruin a performance or presentation. The series employs different advanced technologies to achieve this: the AFS 0201 utilizes proactive echo cancellation and frequency shifting algorithms to detect and remove feedback before it even starts, while the AFS 0202 uses a powerful DSP with 68 dynamic filter

points to instantly suppress feedback as it occurs. Ideal for conference rooms, multipurpose halls, KTV, and home theaters, the AFS series automatically adapts to the acoustic environment. Features like selectable inputs, automatic compression, and intuitive controls with clear indicators make these units incredibly user-friendly. Whether you need the 24V phantom power of the AFS 0201 or the dynamic filtering of the AFS 0202, the AFS series provides a reliable, set-and-forget solution for clean, feedback-free audio.



AFS 0201



AFS 0202

	AFS 0201	AFS 0202
Channels	2-in / 2-out	2-in / 2-out
Processing Technology	Echo cancellation, frequency shifting	DSP with 68 dynamic filter points
Frequency Response	125Hz - 15KHz	80Hz - 15KHz
Signal-to-Noise Ratio (SNR)	>90dB	82dB
Total Harmonic Distortion (THD)	<0.1% @ 1KHz	NA
Selectable Gain	Up to 12dB	-1dB or 11dB
Input Connectors	Balanced Line/Mic (XLR), 6.35mm TRS	XLR, 6.5mm TRS
Output Connectors	Balanced (XLR), 6.35mm TRS	XLR, 6.5mm TRS
Input Impedance	20kΩ	15kΩ
Output Impedance	200Ω (Balanced)	300Ω
Phantom Power	Yes, 2-channel 24V	NA
User Controls	Automatic Adaptation	Volume control with rotary indicator lights
Automatic Compression	NA	Yes
Power Supply	AC 220V ±10% 50/60Hz	220V
Dimensions (W x D x H)	480 x 220 x 44 mm	480 x 220 x 44 mm
Weight	3.5 kg	3.6 kg

DSP / Matrix Processor

AFS 0802 | 8-channel Feedback Destroyer

Introducing the Feedback Destroyer an advanced solution in the AFS 0802 lineup designed to combat feedback issues in live sound environments. This robust unit features eight input channels with composite XLR female interfaces, each equipped with individual MIC1-MIC8 input potentiometer adjustments and 48V phantom power supply switches. Unique to this model, MIC8 offers a switch to toggle between feedback suppression mode and a bypass mode.

In bypass mode, outputs are routed exclusively through the LINE line and system interface. The "Destroyer" boasts impressive input and output impedance levels, ensuring optimal signal integrity.

It comes with a high SNR of over 95db (A weighting), ensuring clear, noise-free performance. Each channel's sensitivity can be finely tuned from -30db to 56db. The frequency response varies, offering a range of 120hz-15khz in feedback suppression mode and a full 20Hz-20kHz in through mode. The unit's power consumption is economical at 50W. A 1.77" color screen on the panel displays current working status and supports both Chinese and English menu displays, making it user-friendly and versatile. Additionally, the panel features MIC1-MIC8 input level debugging lights, assisting in achieving standard microphone input levels. The Destroyer is a powerhouse, adept at managing feedback while maintaining audio clarity and ease of use.



AFS 0802	
Power Input Mode	AC220V/50HZ
Input Channels	8 Channels with Composite XLR Female Interfaces
Phantom Power	48V Phantom Power Supply Switch per Channel
Feedback Suppression Switch	Available on MIC8
Input Impedance	MIC Balanced: 68KΩ, MIC Unbalanced: 10KΩ, LINE Input: 10KΩ, MUSIC Input: 10KΩ
Output Impedance	System XLR: 1 KΩ, LINE Output: 2KΩ, REC Output: 2KΩ
Signal-to-Noise Ratio (SNR)	> 95db (A weighting)
Input Sensitivity	MIC1-MIC8: -30db-56db
Frequency Response	Feedback Mode: 120hz-15khz, Through Mode: 20Hz-20kHz
Power Consumption	50W
Display	1.77" Color Screen, Supports Chinese and English
Additional Features	Fade Out Function, Power Protection, Input Level Debugging Lights
Dimensions (W x D x H)	480 x 220 x 44 mm
Weight	3.9 kg



Premium Audio Power Amplifier

Ignite your audio with our Audio Power Amplifiers. Unleash raw, undistorted power for an immersive sonic experience. Elevate your sound to new heights with precision and clarity.



- LA 101** | 2 x 200W Premium Audio Power Amplifier
- LA 102** | 2 x 400W Premium Audio Power Amplifier
- LA 103** | 2 x 600W Premium Audio Power Amplifier
- LA 104** | 2 x 800W Premium Audio Power Amplifier
- LA 105** | 2 x 1300W Premium Audio Power Amplifier
- LA 106** | 2 x 1600W Premium Audio Power Amplifier

Introducing our LA Series Premium Audio Power Amplifier, the pinnacle of audio amplification excellence. Designed to deliver raw, undistorted power, this series combines precision and efficiency for an immersive sound experience. The 200W, 400W, and 600W versions utilize Class AB amplification for superior audio fidelity, while the 800W, 1300W, and 1600W versions feature Class H technology for higher

efficiency and greater power handling. Whether you're powering a high-energy live performance or elevating your home entertainment setup, the LA Series ensures clarity and impact. With advanced technology and a sleek design, this premium amplifier redefines audio power, providing the perfect balance between performance and sophistication for audio enthusiasts and professionals alike.



LA 101



LA 104



LA 102



LA 105



LA 103



LA 106

Premium Audio Power Amplifier

	LA 101	LA 102	LA 103
Power	2x200W	2x400W	2x600W
Total Harmonic Distortion (THD)	THD1/2WP (20Hz-20KHz) <= 0.1%	THD1/2WP (20Hz-20KHz) <= 0.1%	THD1/2WP (20Hz-20KHz) <= 0.1%
Signal-to-Noise Ratio (SNR)	SNR WP (1KHz) > 85dB (A-weighted)	SNR WP (1KHz) > 85dB (A-weighted)	SNR WP (1KHz) > 90dB (A-weighted)
Frequency Response (8Ω 1/10 Power)	20Hz-22KHz < ±0.2dB	20Hz-22KHz < ±0.2dB	20Hz-22KHz < ±0.2dB
Crosstalk (35Hz-10KHz)	>= 50dB	>= 50dB	>= 50dB
Damping Factor (Rated Power)	>= 500	>=500	>= 500
Amplifier Class	Class AB	Class AB	Class AB
Input Impedance	20KΩ Balanced, 10KΩ Unbalanced	20KΩ Balanced, 10KΩ Unbalanced	20KΩ Balanced, 10KΩ Unbalanced
Output Impedance	8Ω, 4Ω	8Ω, 4Ω	8Ω, 4Ω
Input Sensitivity	0.775V, 1V, 1.44V	0.775V, 1V, 1.44V	0.775V, 1V, 1.44V
Rated Power (AC 220V/50Hz)	8Ω: 2x200W 4Ω: 2x300W 8Ω Bridged: 600W	8Ω: 2x400W 4Ω: 2x600W 8Ω Bridged: 1200W	8Ω: 2x600W 4Ω: 2x900W 8Ω Bridged: 1800W
Operating Voltage	220V/50Hz or 60Hz	220V/50Hz or 60Hz	220V/50Hz or 60Hz
Dimensions (W x D x H)	483 x 315 x 88 mm	483 x 315 x 88 mm	483 x 315 x 88 mm
Weight	10.5 kg	12.7 kg	13.8 kg

	LA 104	LA 105	LA 106
Power	2x800W	2x1300W	2x1600W
Total Harmonic Distortion (THD)	THD1/2WP (20Hz-20KHz) <= 0.1%	THD1/2WP (20Hz-20KHz) <= 0.1%	THD1/2WP (20Hz-20KHz) <= 0.1%
Signal-to-Noise Ratio (SNR)	SNR WP (1KHz) > 90dB (A-weighted)	SNR WP (1KHz) > 90dB (A-weighted)	SNR WP (1KHz) > 90dB (A-weighted)
Frequency Response (8Ω 1/10 Power)	20Hz-22KHz < ±0.2dB	20Hz-22KHz < ±0.2dB	20Hz-22KHz < ±0.2dB
Crosstalk (35Hz-10KHz)	>= 50dB	>= 50dB	>= 50dB
Damping Factor (Rated Power)	>= 500	>= 500	>= 500
Amplifier Class	Class H	Class H	Class H
Input Impedance	20KΩ Balanced, 10KΩ Unbalanced	20KΩ Balanced, 10KΩ Unbalanced	20KΩ Balanced, 10KΩ Unbalanced
Output Impedance	8Ω, 4Ω	8Ω, 4Ω	8Ω, 4Ω
Input Sensitivity	0.775V, 1V, 1.44V	0.775V, 1V, 1.44V	0.775V, 1V, 1.44V
Rated Power (AC 220V/50Hz)	8Ω: 2x800W 4Ω: 2x1200W 8Ω Bridged: 2400W	8Ω: 2x1300W 4Ω: 2x2500W 8Ω Bridged: 2600W	8Ω: 2x1600W 4Ω: 2x 2500W 8Ω Bridged: 3000W
Operating Voltage	220V/50Hz or 60Hz	220V/50Hz or 60Hz	220V/50Hz or 60Hz
Dimensions (W x D x H)	483 x 315 x 88 mm	483 x 315 x 88 mm	483 x 315 x 88 mm
Weight	16.5 kg	18 kg	20 kg

Premium Audio Power Amplifier





Digital Power Amplifier

Enter a new era of sound amplification with our Digital Power Amplifiers. Harness cutting-edge technology for efficient, high-fidelity audio delivery. Redefine power and clarity in your audio experience effortlessly.

PD 1060 | Digital Power Amplifier - Compact Range
PD 1120 | Digital Power Amplifier - Compact Range
PD 1160 | Digital Power Amplifier - Compact Range
PD 1230 | Digital Power Amplifier - Compact Range

PD 1260 | Digital Power Amplifier - Compact Range
PD 1415 | Digital Power Amplifier - Compact Range
PD 1430 | Digital Power Amplifier - Compact Range

AEX System PD 1000 Series Digital Power Amplifiers are specially designed to be a small form factor compact 100Vline power amplifier with no compromise on its output capacity. The Digital Power Amplifiers provide amplification for all audio signals after a preamplifier, digital matrix or any Network Audio Extract device. It uses a high efficiency and robust Class-D amplifier technology. The power amplifiers provide a wide frequency response, low THD+Noise and a high Signal-to-Noise ratio. The PD 1000 series uses a transformerless, technology that reduces electromagnetic noise and improves power efficiency. This results in an extremely low power

consumption and a low carbon footprint product. The compact PD Series design allows the amplifiers to require less rack space in any equipment room and application that has space constrain. The PD 1000 Series Digital Power Amplifier consist of the following 7 models; PD 1060 (600W Digital Power Amplifier), PD 1160 (1600W Digital Power Amplifier), PD 1415 (4 x 150W Digital Power Amplifier), PD 1230 (2 x 300W Digital Power Amplifier), PD 1430 (4 x 300W Digital Power Amplifier), PD 1260 (2 x 600W Digital Power Amplifier) and PD 1120 (1200W Digital Power Amplifier)

PD 1060
 PD 1120
 PD 1160
 PD 1230
 PD 1260
 PD 1415
 PD 1430



	PD 1060	PD 1120	PD 1160	PD 1230	PD 1260	PD 1415	PD 1430
Rated Output Power	1x600W	1x1200W	1x1600W	2x300W	2x600W	4x150W	4x300W
Output Voltage	100Vline / 8Ω						
Frequency Response	20 Hz to 20kHz (+1/-2dB) (High Pass Filter Off) 120 Hz to 20kHz (+1/-3dB) (High Pass Filter On)						
Total Harmonic Distortion (1kHz)	Less than 1%						
Total Harmonic Distortion (1/3 Rated)	Less than 0.05%						
Signal-to-Noise Ratio	>=105 dB						
Input Connections (per channel)	1 Balanced Program Signal Input (RJ45) with Pilot Tone						
Input Level	Balanced 0 dB						
Input Impedance	10 kΩ (balanced)						
Max Load Impedance (per channel)	16.6 Ω	8.3 Ω	6.25 Ω	33.3 Ω	16.6 Ω	66.6 Ω	33.3 Ω
Power Consumption	652W	1304W	1739W	652W	1304W	652W	1304W
Power Requirement	220 - 240Vac 50/60Hz or 24Vdc Backup Power						
Standby Idle Power (per channel)	Ultra Low Power Consumption of 1.2W						
Operating Temperature	-10 C to 40 C						
Storage Temperature	-40 C to 70 C						
Relative Humidity	Less than 95%						
Material & Finish	Mild Steel Casing, Epoxy Coated, Textured Black						
Dimensions (W x H x D)	484 x 44 x 383 mm						
Weight	6.9 kg	6.9 kg	6.9 kg	7 kg	7 kg	7.2 kg	7.2 kg

Digital Power Amplifier

LD 101 | 2 x 300W Digital Power Amplifier

LD 102 | 2 x 500W Digital Power Amplifier

LD 103 | 2 x 800W Digital Power Amplifier

LD 201 | 4 x 300W Digital Power Amplifier

LD 202 | 4 x 500W Digital Power Amplifier

LD 203 | 4 x 800W Digital Power Amplifier

Introducing the LD Series Digital Power Amplifier, a cutting-edge evolution in audio amplification available in versatile 2-channel and 4-channel configurations. This series embodies the fusion of advanced digital technology and powerful, reliable amplification, offering models with 300W, 500W, or 800W per channel to suit any application. With remarkable efficiency of over 88%, the LD Series delivers a dynamic and crystal-clear sound experience while maintaining cool operation and low power consumption. Engineered for pristine audio fidelity and robust operation, every amplifier is safeguarded

by a comprehensive protection suite. This includes a soft-start power-on delay, along with overheat, overload, short circuit, and DC protection, ensuring maximum reliability for both the amplifier and connected speakers. The system even automatically recovers once a fault is cleared, minimizing downtime. Housed in a lightweight, compact 1U rack-mountable chassis, the LD Series Digital Power Amplifier stands as a testament to innovation, providing unmatched performance and clarity for discerning audio enthusiasts.



LD 101



LD 201



LD 102



LD 202



LD 103



LD 203

Digital Power Amplifier

	LD 101	LD 102	LD 103
Channels	2	2	2
Output Power per Channel (4-8Ω)	300W	500W	800W
Peak Power per Channel	400W	600W	900W
Bridge Power (8Ω)	500W	900W	1500W
Frequency Response	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz
Signal-to-Noise (S/N) Ratio	105dB	105dB	105dB
Total Harmonic Distortion (THD)	<0.1%	<0.1%	<0.1%
Input Impedance (Balanced)	20kΩ	20kΩ	20kΩ
Input Impedance (Unbalanced)	10kΩ	10kΩ	10kΩ
Input Sensitivity (Selectable)	0.775V / 1.0V / 1.4V	0.775V / 1.0V / 1.4V	0.775V / 1.0V / 1.4V
Max Input Level	3.75V	3.75V	3.75V
Efficiency (Full Load)	>88%	>88%	>88%
Power Supply	AC 180-240V, 700W	AC 180-240V, 1000W	AC 180-240V, 1000W
Dimensions (W x D x H)	482 x 300 x 45 mm	482 x 300 x 45 mm	482 x 300 x 45 mm
Net Weight	3.5 kg	3.6 kg	3.6 kg

	LD 201	LD 202	LD 203
Channels	4	4	4
Output Power per Channel (4-8Ω)	300W	500W	800W
Peak Power per Channel	400W	600W	900W
Bridge Power (8Ω)	NA	NA	NA
Frequency Response	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz
Signal-to-Noise (S/N) Ratio	105dB	105dB	105dB
Total Harmonic Distortion (THD)	<0.1%	<0.1%	<0.1%
Input Impedance (Balanced)	20kΩ	20kΩ	20kΩ
Input Impedance (Unbalanced)	10kΩ	10kΩ	10kΩ
Input Sensitivity (Selectable)	0.775V / 1.0V / 1.4V	0.775V / 1.0V / 1.4V	0.775V / 1.0V / 1.4V
Max Input Level	3.75V	3.75V	3.75V
Efficiency (Full Load)	>88%	>88%	>88%
Power Supply	AC 180-240V, 1300W	AC 180-240V, 2100W	AC 180-240V, 2100W
Dimensions (W x D x H)	484 x 268 x 44 mm	484 x 268 x 44 mm	484 x 268 x 44 mm
Net Weight	3.95 kg	3.95 kg	3.95 kg

Digital Power Amplifier

DA 8842 | 4 x 200W DSP Matrix Amplifier

DA 8844 | 4 x 400W DSP Matrix Amplifier

DA 8846 | 4 x 600W DSP Matrix Amplifier

DA 8848 | 4 x 800W DSP Matrix Amplifier

The DA 8842, DA 8844, DA 8846, and DA 8848 are powerful audio management centers equipped with 8 analog inputs and outputs, alongside four-channel Class-D amplifiers with PFC switching power supplies. These models feature advanced audio processing capabilities, including 48V phantom power, 8-band parametric EQ, noise suppression, and extensive delay and limiting options. The built-in USB sound card supports playback, recording, and video conferencing, while the Ethernet control interface allows for seamless integration with local networks and mobile devices. The intuitive PC software interface ensures easy configuration and real-time monitoring of all audio parameters, making these devices ideal for professional audio environments.



Software Included



DA 8842



DA 8844



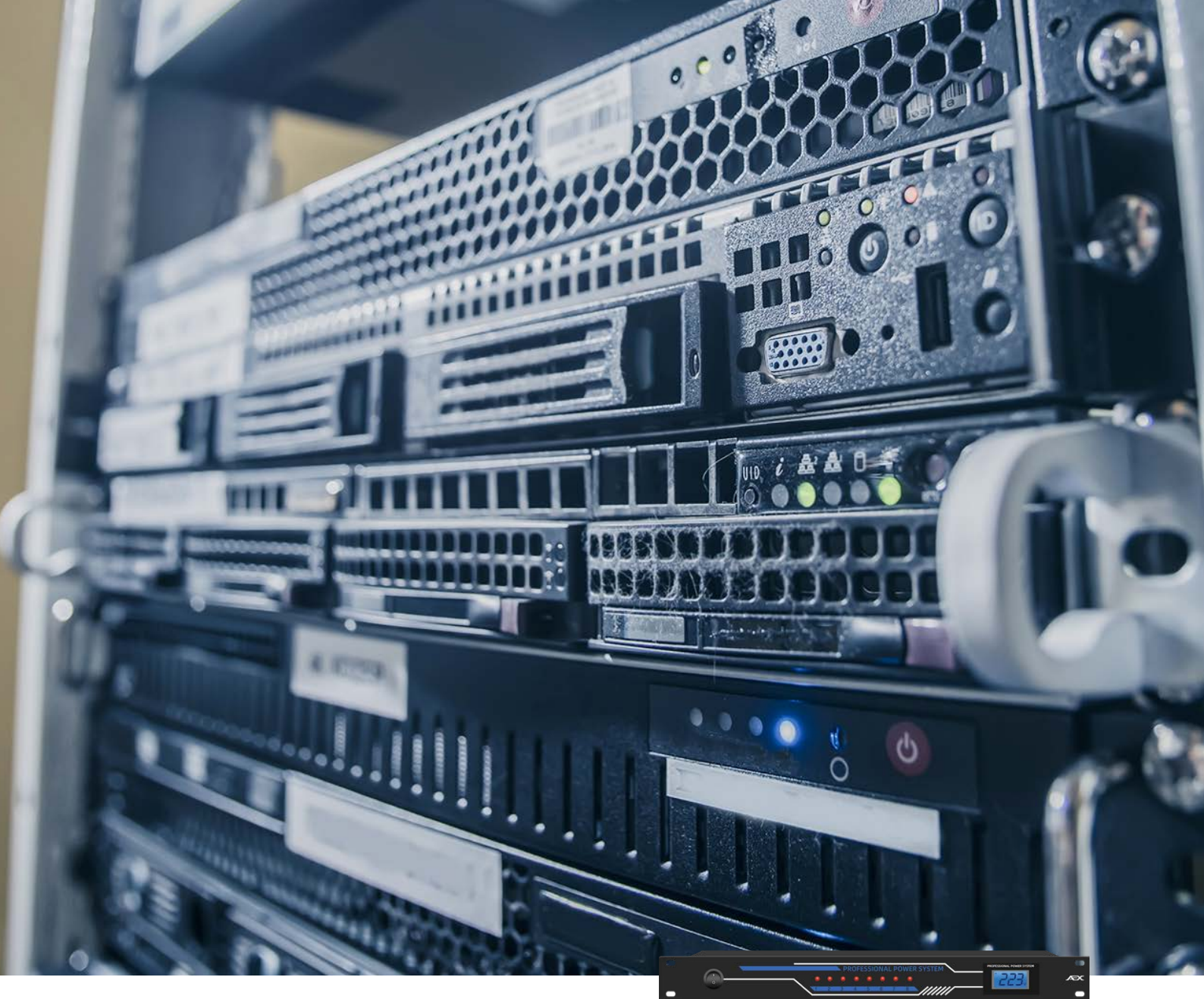
DA 8846



DA 8848

Digital Power Amplifier

	DA 8842	DA 8844	DA 8846	DA 8848
Sampling Rate	48kHz, ± 100 ppm	48kHz, ± 100 ppm	48kHz, ± 100 ppm	48kHz, ± 100 ppm
Quantization Number	24 bits	24 bits	24 bits	24 bits
Frequency Response	(20~20kHz): ± 0.5 dB	(20~20kHz): ± 0.5 dB	(20~20kHz): ± 0.5 dB	(20~20kHz): ± 0.5 dB
System Delay	Phantom Power Supply: +48V/10mAmax	Phantom Power Supply: +48V/10mAmax	Phantom Power Supply: +48V/10mAmax	Phantom Power Supply: +48V/10mAmax
Maximum Level	+18dBu	+18dBu	+18dBu	+18dBu
Input Gain	0/6/12/18/24/30/36/42/48 dB	0/6/12/18/24/30/36/42/48 dB	0/6/12/18/24/30/36/42/48 dB	0/6/12/18/24/30/36/42/48 dB
Input Channels	8 balanced Phoenix ports	8 balanced Phoenix ports	8 balanced Phoenix ports	8 balanced Phoenix ports
Output Channels	8 balanced Phoenix ports	8 balanced Phoenix ports	8 balanced Phoenix ports	8 balanced Phoenix ports
Input Dynamic Range	110dB	110dB	110dB	110dB
Output Dynamic Range	110dB	110dB	110dB	110dB
Input Impedance (Balanced)	5.4K Ω	5.4K Ω	5.4K Ω	5.4K Ω
Output Impedance (Balanced)	600 Ω	600 Ω	600 Ω	600 Ω
Channel Isolation	@1kHz: 108dB	@1kHz: 108dB	@1kHz: 108dB	@1kHz: 108dB
Total Harmonic Distortion + Noise	0.002%@+4dBu	0.002%@+4dBu	0.002%@+4dBu	0.002%@+4dBu
Working Power Supply	AC220V, 50Hz	AC220V, 50Hz	AC220V, 50Hz	AC220V, 50Hz
Amplifier Stereo 8 Ohms Load	200W x 4	400W x 4	600W x 4	800W x 4
Amplifier Stereo 4 Ohms Load	420W x 4	660W x 4	930W x 4	1290W x 4
Bridge Mode 8 Ohms Load	900W x 2	1400W x 2	-	-
Bridge Mode 4 Ohms Load	1650W x 2	2550W x 2	-	-
Sensitivity	1V	1V / 1.4V / 2.0V / 2.4V	1V / 1.4V / 2.0V / 2.4V	1V / 1.4V / 2.0V / 2.4V
Input Impedance (Amplifier)	Balanced input 20K, Unbalanced input 10K	Balanced input 20K, Unbalanced input 10K	Balanced input 20K, Unbalanced input 10K	Balanced input 20K, Unbalanced input 10K
THD Total Harmonic Distortion (Amplifier)	0.02%	0.02%	0.02%	0.02%
Conversion Rate	40V/USEC	40V/USEC	40V/USEC	40V/USEC
Signal to Noise Ratio	98dB	98dB	98dB	98dB
Damping Coefficient	>400	>400	>400	>400
Heat Dissipation Mode	Intelligent fan speed	Intelligent fan speed	Intelligent fan speed	Intelligent fan speed
Operating Voltage Range	100-265VAC, 50/60Hz	100-265VAC, 50/60Hz	100-265VAC, 50/60Hz	100-265VAC, 50/60Hz
Dimensions (W x H x D)	484 x 44 x 383 mm	484 x 44 x 383 mm	484 x 44 x 383 mm	484 x 44 x 383 mm
Weight	3.6 kg	3.8 kg	4.1 kg	4.3 kg



Power Sequencer

Experience unprecedented control with Power Sequencer, a revolutionary system offering flexible power distribution across multiple rails for enhanced efficiency. Redefine how you harness and optimize power effortlessly.

PSQ 08 | Power Sequencer

Meet our revolutionary PSQ 08 Power Sequencer, the cornerstone of professional power management. This sophisticated unit ensures a seamless and efficient power-up and power-down process, safeguarding your delicate electronics from harmful inrush currents. By sequentially activating its eight rear-panel outlets with a one-second delay between each, the PSQ 08 prevents system overloads and extends the life of your equipment. Engineered with a high-power circuit and controlled by a precision chip, it reliably manages a total load of up to 6000W.

For ultimate flexibility, each channel can be bypassed individually, and a convenient front-panel USB port provides power for accessories like chargers and lights. Need to manage a larger system? The daisy-chain function allows multiple units to be linked and controlled simultaneously, making it perfect for large-scale projects. The PSQ 08 is the pinnacle of efficiency, reliability, and control for any serious audio, video, or IT installation.



PSQ 08	
Rated Output Voltage	AC 220V, 50Hz-60Hz
High-Power Circuit	Suitable for large power consumption systems
Chip Control	Ensures a stable and reliable circuit
Sockets	Universal (Accommodates various plug types)
Controllable Power Outlets	8
Delay Time for Each Outlet	1 second
Power Supply	Built-in transformer
Total Power Outlets in Use	9 (1 direct 220V on the panel, 8 controlled on the rear panel)
Independent Control Switch for Each Outlet	Yes
USB Interface	For phone charging, lighting, and various 5V digital devices
Daisy Chain Function	Allows stacking for simultaneous use in large-scale power management projects
Maximum Limit for Single Outlet Output Power	2800W
Maximum Total Output Power for the Whole Unit	6000W
Dimension (W x H x D)	484 x 44 x 216 mm
Weight	3.1 kg



Passive Sound Reinforcement Speakers

Introducing our Passive 2-Way Sound Reinforcement Speakers – a perfect blend of durability and audio excellence. Experience clear, immersive sound with a speaker designed for both resilience and precision.



S 8 | 8" Symphony Series **S 12** | 12" Symphony Series
S 10 | 10" Symphony Series **S 15** | 15" Symphony Series

Introducing the AEX Symphony Series, a versatile range of passive 2-way loudspeakers engineered for exceptional sound reinforcement. Available with 8", 10", 12", and 15" woofers, this series is designed to deliver a harmonious balance of power, clarity, and resilient design. Each speaker is built around a powerful ferrite woofer paired with a high-performance compression driver, ensuring a full and articulate frequency response. As the models increase in size, they deliver progressively deeper bass—reaching down to an impressive 40Hz on the 15" model—and feature more robust components,

including larger voice coils and HF diaphragms for increased power handling and output. Housed in a rugged yet lightweight professional polymer enclosure, the Symphony Series is built to withstand the demands of both portable use and permanent installation. Whether for mobile DJs, live bands, houses of worship, or event spaces, these speakers provide clear, immersive, and room-filling sound. Immerse yourself in an enhanced audio experience as the Symphony Series sets a new benchmark for performance, reliability, and quality in any setting.



S 8



S 10



S 12



S 15

Passive Sound Reinforcement Speakers

W 8 | 8" TimberVox Series **W 12** | 12" TimberVox Series

W 10 | 10" TimberVox Series **W 15** | 15" TimberVox Series

Experience the perfect union of natural acoustic warmth and powerful audio performance with the TimberVox Series. A standout in our passive sound reinforcement lineup, this series signifies a blend of timeless craftsmanship and exceptional audio engineering, available in 8", 10", 12", and 15" models. Each speaker is meticulously crafted from high-density, CNC-manufactured MDF, delivering a rich, warm, and articulate sound that plastic enclosures simply cannot replicate. This wooden construction not only enhances acoustic quality but also provides a classic aesthetic that integrates seamlessly into any environment.

As you move up the range, the TimberVox series offers progressively higher power handling—up to a formidable 400W RMS—and features larger high-frequency drivers for pristine vocal and instrumental clarity. Designed for the discerning professional, these speakers boast high sensitivity for efficient output, multiple M8 suspension points for easy installation, and standard pole mounts on larger models for portable PA use. The TimberVox Series is the definitive choice for venues, musicians, and installers who demand uncompromising sound quality and the timeless appeal of a classic wooden speaker.



W 8



W 10



W 12



W 15

Passive Sound Reinforcement Speakers

	S 8	S 10	S 12	S 15
Rated Input	150W RMS	150W RMS	350W RMS	350W RMS
Impedance	8Ω	8Ω	8Ω	8Ω
Maximum Power	300W	300W	400W	500W
Frequency Response	85Hz - 20KHz	80Hz - 20KHz	75Hz - 20KHz	70Hz - 20KHz
Frequency Range (-10 dB)	65Hz - 20KHz	60Hz - 20KHz	50Hz - 20KHz	40Hz - 20KHz
Sensitivity 1W @ 1m	105dB	107dB	109dB	112dB
Maximum Peak Output	121dB	121dB	124dB	125dB
Coverage Angle (1kHz, -6dB)	80° × 50°	80° × 50°	70° × 60°	70° × 60°
Speaker Component	Woofer: 8" cone, Voice Coil: 1.5" 32oz, Magnet: Ferrite	Woofer: 10" cone, Voice Coil: 1.5" 32oz, Magnet: Ferrite	Woofer: 12" cone, Voice Coil: 3.0" 60oz, Magnet: Ferrite	Woofer: 15" cone, Voice Coil: 3.0" 60oz, Magnet: Ferrite
Tweeter	Tweeter: Diaphragm: 1" , Type: 1" throat compression driver, Magnet: Ferrite	Tweeter: Diaphragm: 1.35" , Type: 1" throat compression driver, Magnet: Ferrite	Tweeter: Diaphragm: 1.75" , Type: 1" throat compression driver, Magnet: Ferrite	Tweeter: Diaphragm: 1.75" , Type: 1" throat compression driver, Magnet: Ferrite
Safety	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA	NA	NA
Material & Finish	Enclosure: Professional Plastic Speaker	Enclosure: Professional Plastic Speaker	Enclosure: Professional Plastic Speaker	Enclosure: Professional Plastic Speaker
Handles	2	2	2	2
Connectors	2× NL4 Socket, +1, -1	2× NL4 Socket, +1, -1	2× NL4 Socket, +1, -1	2× NL4 Socket, +1, -1
Dimensions (W x H x D)	305 x 330 x 495 mm	320 x 365 x 560 mm	415 x 445 x 670 mm	425 x 475 x 800 mm
Weight	9 kg	10.5 kg	17 kg	23 kg

	W 8	W 10	W 12	W 15
Rated Input	150W (RMS)	200W (RMS)	300W (RMS)	400W (RMS)
Impedance	8Ω	8Ω	8Ω	8Ω
Maximum Power	300W	400W	600W	800W
Frequency Response	60Hz-18KHz (±3dB)	60Hz-18KHz (±3dB)	55Hz-20KHz (±3dB)	55Hz-20KHz (±3dB)
Frequency Range (-10 dB)	50Hz-20KHz	50Hz-20KHz	45Hz-20KHz	50Hz-20KHz
Sensitivity 1W @ 1m	94dB	95dB	98dB	98dB
Maximum Peak Output	112dB	114dB	122dB	124dB
Coverage Angle (1kHz, -6dB)	80° × 50°	80° × 50°	70° × 60°	70° × 60°
Speaker Component	Woofer: 8"	Woofer: 10"	Woofer: 12"	Woofer: 15"
Tweeter	Tweeter: 25mm	Tweeter: 25mm	Tweeter: 34mm	Tweeter: 44mm
Safety	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA	NA	NA
Material & Finish	Enclosure: CNC manufactured, high-density MDF	Enclosure: CNC manufactured, high-density MDF	Enclosure: CNC manufactured, high-density MDF	Enclosure: CNC manufactured, high-density MDF
Suspension	8 x M8 screw suspension points	8 x M8 screw suspension points	12 x M8 screw suspension points	12 x M8 screw suspension points
Connectors	2× NL4 Socket, +1, -1	2× NL4 Socket, +1, -1	2× NL4 Socket, +1, -1	2× NL4 Socket, +1, -1
Dimensions (W x H x D)	240 x 377 x 253 mm	280 x 440 x 300 mm	337 x 585 x 362 mm	367 x 728 x 410 mm
Weight	6.5 kg	8.8 kg	14.5 kg	20.8 kg



Passive Sub-Woofers

Unleash deep, resonant bass with our Passive Subwoofers. Designed for pure low-frequency power, these speakers deliver an immersive audio experience, enhancing your sound system's depth and impact effortlessly.

HS 10 | 10" Sub-woofer**HS 12** | 12" Sub-woofer

Lay the ultimate low-end foundation for your sound system with the HS Series Passive Subwoofer. Engineered for excellence and available in 10" and 12" models, this series delivers the deep, resonant, and impactful bass that elevates any audio experience. Each subwoofer is built around a robust, long-throw driver featuring a massive voice coil and magnet structure, allowing for impressive power handling of up to 400W RMS (800W Peak) and the ability to reproduce frequencies as low as 42Hz. The enclosure is meticulously crafted from CNC-manufactured, high-

density plywood, providing superior rigidity and acoustic properties for a tight, punchy bass response that is free from unwanted resonance. Designed for complete versatility, the HS Series is equally at home in a fixed installation using its multiple M8 suspension points or on the road for portable events, thanks to its integrated handles. For large performances, entertainment venues, or any application demanding precise and powerful low-frequency reproduction, the HS Series sets the benchmark for professional-grade bass.



HS 12



HS 10



	HS 10	HS 12
Rated Input	300W (RMS)	400W (RMS)
Impedance	8Ω	8Ω
Maximum Power	600W (Peak)	800W (Peak)
Frequency Response	44Hz-280Hz (±3dB)	42Hz-290Hz (±3dB)
Frequency Range (-10 dB)	40Hz-260Hz	38Hz-250Hz
Sensitivity 1W @ 1m	96dB	98dB
Maximum Peak Output	118dB	121dB
Coverage Angle (1kHz, -6dB)	70 x 60	70 x 55
Speaker Component	Woofer: 10" (65mm voice coil, 170mm magnet)	Woofer: 12" (75mm voice coil, 190mm magnet)
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Enclosure: CNC manufactured, high-density plywood	Enclosure: CNC manufactured, high-density plywood
Handles	2	2
Suspension	8 x M8 screw suspension points	8 x M8 screw suspension points
Connectors	2× NL4 Socket, +1, -1	2× NL4 Socket, +1, -1
Dimensions (W x H x D)	447 x 324 x 365 mm	469 x 405 x 369 mm
Weight	14 kg	18 kg

Passive Sub-Woofer

HS 15 | 15" Sub-woofer

HS 18 | 18" Sub-woofer

Unleash the full power of the low end with the formidable HS Series Passive Subwoofers. Available in commanding 15" and 18" configurations, these subwoofers are engineered to deliver the deep, chest-thumping bass required for the most demanding professional applications. At the heart of each unit is a massive driver featuring an impressive 4-inch voice coil and a 100oz ferrite magnet, capable of handling a continuous 600W RMS of power. This robust engine ensures precise control and incredible output, delivering a visceral audio experience.

The HS 18 model reaches into true sub-sonic territory, extending down to a bone-rattling 35Hz, while both models produce immense sound pressure levels of up to 124dB. Housed in a heavily-braced, road-ready enclosure, the HS Series is built to move serious air and withstand the rigors of touring and large-scale events. For nightclubs, live concert venues, and any setting that demands uncompromising low-frequency impact, the HS Series is the definitive choice for foundational bass.



HS 15



HS 18



	HS 15	HS 18
Rated Input	600W (RMS)	600W (RMS)
Impedance	8Ω	8Ω
Maximum Power	800W	900W
Frequency Response	50Hz-180Hz	55-180Hz
Frequency Range (-10 dB)	40Hz-150Hz	35-150Hz
Sensitivity 1W @ 1m	98dB	102dB
Maximum Peak Output	123dB	124dB
Coverage Angle (1kHz, -6dB)	360°	360°
Speaker Component	Woofer: 15" cone, Voice Coil: 4" , 100OZ, Magnet: Ferrite	Woofer: 18" cone, Voice Coil: 4" , 100OZ, Magnet: Ferrite
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Enclosure: CNC manufactured, high-density plywood	Enclosure: CNC manufactured, high-density plywood
Handles	2	2
Suspension	8 x M8 screw suspension points	8 x M8 screw suspension points
Connectors	2× NL4 Socket, +1, -1	2× NL4 Socket, +1, -1
Dimensions (W x H x D)	555 x 660 x 690 mm	590 x 725 x 740 mm
Weight	35 kg	38 kg

Passive Sub-Woofers





Powered Sound Reinforcement Speakers

Elevate your audio experience with Powered 2-Way Sound Reinforcement Speakers. Enjoy seamless integration of amplification and clarity, providing a powerful and durable solution for immersive sound.



S 12A | 12" Symphony Series Powered Sound Reinforcement Speaker

S 15A | 15" Symphony Series Powered Sound Reinforcement Speaker

Experience the pinnacle of convenience and power with the Symphony Active Series, our premier line of powered 2-way sound reinforcement speakers. By integrating a high-performance 450W RMS Class H amplifier directly into the enclosure, this series eliminates the need for external amps, offering a true plug-and-play solution for professional audio. Capable of delivering an immense 1800W of peak power, these speakers produce staggering sound pressure levels with pristine clarity. At the core of each speaker lies a robust driver engine: a heavy-duty woofer with a massive 3.0" voice coil and a crisp

1.75" diaphragm compression driver. This combination ensures a dynamic and articulate full-range sound. Choose the S 12A for its tight, punchy response, or step up to the S 15A for deeper, room-filling bass that extends down to an impressive 40Hz. Housed in a rugged yet lightweight professional polymer cabinet, the Symphony Active Series is built for the road but stylish enough for any permanent installation. For DJs, musicians, and event producers who demand impactful performance and effortless setup, this is the ultimate all-in-one audio solution.



S 12A

S 15A

	S 12A	S 15A
Rated Input	450W (RMS) / Class H	450W (RMS) / Class H
Impedance	4Ω	4Ω
Maximum Power	1800W (Peak)	1800W (Peak)
Frequency Response	70Hz - 20KHz	60Hz - 20KHz
Frequency Range (-10 dB)	50Hz - 20KHz	40Hz - 20KHz
Sensitivity 1W @ 1m	109dB	112dB
Maximum Peak Output	124dB	125dB
Coverage Angle (1kHz, -6dB)	70° × 60°	70° × 60°
Speaker Component	Woofer: 12" cone, Voice Coil: 3.0" , 60OZ, Magnet: Ferrite	Woofer: 15" cone, Voice Coil: 3.0" , 60OZ, Magnet: Ferrite
Tweeter	Tweeter: Diaphragm: 1.75" , Type: 1" throat compression driver, Magnet: Ferrite	Tweeter: Diaphragm: 1.75" , Type: 1" throat compression driver, Magnet: Ferrite
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Enclosure: Professional Plastic Speaker	Enclosure: Professional Plastic Speaker
Handles	2	2
Suspension	8 x M8 screw suspension points	8 x M8 screw suspension points
Connectors	2× NL4 Socket, +1, -1	2× NL4 Socket, +1, -1
Dimensions (W x H x D)	445 x 670 x 415 mm	475 x 800 x 425 mm
Weight	17 kg	23 kg



Powered Sub-Woofers

Immerse yourself in powerful, low-end frequencies with our Powered Subwoofers. Engineered for deep bass and dynamic impact, these speakers elevate your audio experience with precision and intensity.



SS 15 | 15" Powered Sub-woofer

SS 18 | 18" Powered Sub-woofer

Command the low-end spectrum with the SS Series, a dominating force in powered subwoofer technology. By integrating a highly efficient Class D amplifier, these subwoofers deliver a staggering 1600W of peak power in a convenient, all-in-one package. This is the ultimate plug-and-play solution for professionals demanding profound bass without the complexity of external amplifiers. Available in 15" and 18" models, the SS Series is engineered to move massive amounts of air, reaching down to a seismic 35Hz to reproduce the lowest frequencies with visceral impact. At the core of each subwoofer is a heavy-duty driver featuring a

robust 3.0-inch voice coil and an 80oz ferrite magnet, ensuring reliable performance and exceptional power handling. Capable of producing room-shaking SPLs up to 123dB, the SS Series provides the foundational weight and punch necessary for live music, DJ events, and high-impact installations. Immerse your audience in a world of impactful low-end frequencies as the SS Series redefines audio excellence and sets a new standard for immersive, effortless bass reproduction.



SS 15



SS 18



	SS 15	SS 18
Rated Input	400W (RMS) / Class D	400W (RMS) / Class D
Impedance	4Ω	4Ω
Maximum Power	1600W (Peak)	1600W (Peak)
Frequency Response	45Hz - 170Hz	45Hz - 150Hz
Frequency Range (-10 dB)	35Hz - 150Hz	35Hz - 140Hz
Sensitivity 1W @ 1m	102dB	102dB
Maximum Peak Output	122dB	123dB
Coverage Angle (1kHz, -6dB)	70° × 50°	70° × 50°
Speaker Component	Woofer: 15" cone, Voice Coil: 3.0" , 80OZ, Magnet: Ferrite	Woofer: 18" cone, Voice Coil: 3.0" , 80OZ, Magnet: Ferrite
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Enclosure: CNC manufactured, high-density MDF	Enclosure: CNC manufactured, high-density MDF
Handles	2	2
Suspension	8 x M8 screw suspension points	8 x M8 screw suspension points
Connectors	2× NL4 Socket, +1, -1	2× NL4 Socket, +1, -1
Dimensions (W x H x D)	555 x 660 x 690 mm	590 x 725 x 740 mm
Weight	35 kg	38 kg



Line Array Speaker

Achieve precise and powerful sound distribution with our Line Array Speakers, designed for large venues and events to deliver consistent, high-quality audio.



BL 5 | 5" Line Array Speaker System

BL 405 | 4 x 5" Line Array Speaker

BL 12 | 12" Line Array Speaker System Sub woofer

BL 6 | 6" Line Array Speaker System

BL 406 | 4 x 6.5" Line Array Speaker

BL 15 | 15" Line Array Speaker System Sub-Woofer

Engineered for precision, scalability, and power, the BL Series Line Array System delivers world-class audio performance for the most demanding professional environments. This comprehensive ecosystem is designed to provide unmatched vocal clarity and even coverage over long distances, making it the ideal solution for touring professionals, fixed installations, houses of worship, and corporate auditoriums. The series is built around two core systems: a compact and versatile 5-inch array, and a high-output 6.5-inch array, each with its own perfectly matched subwoofer.

Constructed from robust birch plywood with a durable, rainproof finish, every component in the BL Series is built to withstand the rigors of the road while delivering superior acoustic performance. With controlled dispersion patterns that focus sound directly on the audience, flexible rigging options, and immense power handling capabilities, the BL Series offers a complete, scalable solution to configure the perfect sound system for any venue, from intimate halls to medium-scale outdoor events.



BL 5



BL 6

Line Array Speaker



BL 405



BL 12



BLB 01 | BL 5 Hanging Bracket



BL 406



BL 15



BLB 02 | BL 6 Hanging Bracket

	BL 405 (BL 5)	BL 12 (BL 5)	BL 406 (BL 6)	BL 15 (BL 6)
Rated Input	200W	300W	HF: 80W (AES), MF: 600W (AES)	700W (AES)
Impedance	4Ω	4Ω	HF: 8Ω, MF: 8Ω	8Ω
Maximum Power	800W	1200W	HF: 320W, MF: 2400W	2800W
Frequency Response	90Hz-20KHz	60Hz-300Hz	70Hz-20KHz	40Hz-300Hz
Frequency Range (-10 dB)	70Hz-20KHz	50Hz-300Hz	55Hz-20KHz	38Hz-300Hz
Sensitivity 1W @ 1m	97dB	97dB	98dB (passive), HF: 113dB, MF: 98dB (bi-amp)	98dB
Maximum Peak Output	118dB	118dB	133dB	132dB
Coverage Angle (1kHz, -6dB)	90° × 10°	NA	110° × 15° (H×V)	NA
Component Type	Line Array Speaker	Subwoofer	Line Array Speaker	Subwoofer
Matching Component	BL 12	BL 405	BL 15	BL 406
Speaker Component	Woofer: 4 × 5.25" (130mm)/1" voice coil	Woofer: 1 × 12" (300mm)/2" voice coil	Woofer: 4 × 6.5" (165mm)/1.5" voice coil	Woofer: 1 × 15" (385mm)/4" voice coil
Tweeter	2 × 1" (25mm)/1" voice coil	N/A	2 × 1" (25mm)/1.4" voice coil	N/A
Safety	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA	NA	NA
Material & Finish	Enclosure: Birch plywood, rainproof paint finish; Grille: Steel grille	Enclosure: Birch plywood, rainproof paint finish; Grille: Steel grille	Enclosure: Birch plywood, rainproof paint finish; Grille: Steel grille	Enclosure: Birch plywood, rainproof paint finish; Grille: Steel grille
Handles	2	2	2	2
Suspension	BLB 01 Hanging Bracket	BLB 01 Hanging Bracket	BLB 02 Hanging Bracket	BLB 02 Hanging Bracket
Connectors	2x Speakon NL4	2x Speakon NL4	2x Speakon NL4	2x Speakon NL4
Dimensions (W x H x D)	450 x 319 x 188 mm	450 x 351 x 220 mm	520 x 360 x 200 mm	520 x 500 x 630 mm
Weight	11 kg	12.5 kg	25.5 kg	39 kg

Line Array Speaker

JL 6 | 6" J-shape Line Array Speaker System

JL 206 | 2 x 6" Line Array Speaker

JLS 15 | 15" Line Array Speaker System Sub-Woofer

JL 8 | 8" J-Shape Line Array Speaker System

JL 208 | 2 x 8" Line Array Speaker

JLS 18A | 18" Line Array Speaker System Sub-Woofer

The JL Series J-Shape Line Array Speakers are meticulously engineered to deliver exceptional audio performance in a variety of professional environments. The JL 6 and JL 8 systems are specifically designed for small to medium-sized venues where clarity and precision are paramount. These systems are ideal for conference centers, corporate auditoriums, educational institutions, and houses of worship. Featuring advanced DSP control for configurable

directivity, the JL 6 and JL 8 speakers ensure superior speech intelligibility and even sound distribution, minimizing unwanted reflections. Paired with their dedicated subwoofers (JLS 15 and JLS 18A), these line array systems provide a full-range, immersive audio experience, making them the perfect choice for any professional installation demanding high-quality sound quality and versatility.



JL 6



JL 8

Line Array Speaker

JL 10 | 10" J-Shape Line Array Speaker System

JL 210 | 2 x 10" Line Array Speaker

JLS 18B | 18" Line Array Speaker System Sub-Woofer

JL 12 | 12" J-Shape Line Array Speaker System

JL 212 | 2 x 12" Line Array Speaker

JLS 215 | 2 x 15" Line Array Speaker System Sub-Woofer

The JL Series J-Shape Line Array Speakers are engineered for powerful and precise audio reproduction in large-scale professional environments. The JL 10 and JL 12 systems are designed to meet the demanding requirements of major performing arts centers, sports venues, convention centers, and large auditoriums. These high-output line array speakers utilize advanced DSP control to achieve configurable directivity, ensuring exceptional speech

clarity and even coverage across expansive spaces. Complemented by their robust subwoofers (JLS 18B and JLS 18C), the JL 10 and JL 12 systems deliver a dynamic and immersive listening experience with deep, impactful bass. For any permanent installation or large-scale event where superior audio performance is critical, the JL Series offers an unparalleled combination of power, precision, and versatility.



JL 10



JL 12

Line Array Speaker



JL 206



JLS 15



JL 208



JLS 18A



JL 210



JLS 18B



JL 212



JLS 18C

Line Array Speaker

	JL 206 (JL 6 - Line Array)	JLS 15 (JL 6 - Subwoofer)
Rated Input	320W (AES)	600W (AES)
Impedance	8Ω	8Ω
Maximum Power	1280W	2400W
Frequency Response	75Hz-20kHz	40Hz-300Hz
Frequency Range (-10 dB)	65Hz-20kHz	38Hz-300Hz
Sensitivity 1W @ 1m	95dB	98dB
Maximum Peak Output	129dB	131dB
Coverage Angle (1kHz, -6dB)	100° × 15°	NA
Matching Component	JLS 15	JL 206
Speaker Component	Woofer: 2×6.5" (165mm)/1.5" voice coil	Woofer: 1×15" (385mm)/4" voice coil
Tweeter	1×1" (25mm)/1.7" voice coil	N/A
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Birch plywood, rainproof paint finish	Birch plywood, rainproof paint finish
Handles	2	4
Suspension	Flying/Ground stacking	Flying/Ground stacking
Connectors	2x Speakon NL4	2x Speakon NL4
Dimensions (W x H x D)	560 x 197 x 325 mm	560 x 500 x 630 mm
Weight	17 kg	39 kg

	JL 208 (JL 8 - Line Array)	JLS 18A (JL 8 - Subwoofer)
Rated Input	400W (AES)	600W (AES)
Impedance	8Ω	8Ω
Maximum Power	1600W	2400W
Frequency Response	60Hz-20kHz	40Hz-300Hz
Sensitivity 1W @ 1m	100dB	98dB
Maximum Peak Output	131dB	132dB
Coverage Angle (1kHz, -6dB)	100° × 15°	N/A
Matching Component	JLS 18A	JL 208
Speaker Component	Woofer: 2×8" (200mm)/2" voice coil	Woofer: 1×18" (460mm)/4" voice coil
Tweeter	1×1" (25mm)/1.7" voice coil	N/A
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Birch plywood, rainproof paint finish	Birch plywood, rainproof paint finish
Handles	2	4
Suspension	Flying/Ground stacking	Flying/Ground stacking
Connectors	2x Speakon NL4	2x Speakon NL4
Dimensions (W x H x D)	682 x 247 x 425 mm	682 x 534 x 674 mm
Weight	23 kg	59 kg

Line Array Speaker

	JL 210 (JL 10 - Line Array)	JLS 18B (JL 10 - Subwoofer)
Rated Input	650W (AES)	600W (AES)
Impedance	8Ω	8Ω
Maximum Power	2600W	2400W
Frequency Response	55Hz-20kHz	40Hz-300Hz
Frequency Range (-10 dB)	50Hz-20kHz	38Hz-300Hz
Sensitivity 1W @ 1m	100dB	98dB
Maximum Peak Output	135dB	132dB
Coverage Angle (1kHz, -6dB)	100° × 15°	NA
Matching Component	JLS 18B	JL 210
Speaker Component	Woofer: 2×10" (250mm)/2.5" voice coil	Woofer: 1×18" (460mm)/4" voice coil
Tweeter	1×1.5" (38mm)/3" voice coil	N/A
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Birch plywood, rainproof paint finish	Birch plywood, rainproof paint finish
Handles	2	4
Suspension	Flying/Ground stacking	Flying/Ground stacking
Connectors	2x Speakon NL4	2x Speakon NL4
Dimensions (W x H x D)	824 x 289 x 468 mm	824 x 500 x 674 mm
Weight	36 kg	60 kg

	JL 212 (JL 12 - Line Array)	JLS 18C (JL 12 - Subwoofer)
Rated Input	1000W (AES)	1200W (AES)
Impedance	8Ω	8Ω
Maximum Power	4000W	4800W
Frequency Response	45Hz-20kHz	35Hz-300Hz
Frequency Range (-10 dB)	50Hz-20kHz	30Hz-300Hz
Sensitivity 1W @ 1m	104dB	103dB
Maximum Peak Output	138dB	139dB
Coverage Angle (1kHz, -6dB)	100° × 15°	NA
Matching Component	JLS 18C	JL 212
Speaker Component	Woofer: 2×12" (300mm)/3" voice coil	Woofer: 2×15" (385mm)/4" voice coil
Tweeter	1×1.5" (38mm)/3" voice coil	NA
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Birch plywood, rainproof paint finish	Birch plywood, rainproof paint finish
Handles	2	4
Suspension	Flying/Ground stacking	Flying/Ground stacking
Connectors	2x Speakon NL4	2x Speakon NL4
Dimensions (W x H x D)	939 x 368 x 520 mm	939 x 600 x 655 mm
Weight	43 kg	75 kg

Line Array Speaker



JLB 6 | JL 6 Hanging Bracket



JLB 10 | JL 10 Hanging Bracket



JLB 8 | JL 8 Hanging Bracket



JLB 12 | JL 12 Hanging Bracket

	JLB 6	JLB 8	JLB 10	JLB 12
Product Type	Flying Bracket	Flying Bracket	Flying Bracket	Flying Bracket
Frame Type	Grid Frame	Grid Frame	Grid Frame	Grid Frame
Material	Cold-rolled steel plate	Cold-rolled steel plate	Cold-rolled steel plate	Cold-rolled steel plate
Frame Finish	Black	Black	Black	Black
U-Clamps	22mm × 4pcs	22mm × 4pcs	22mm × 4pcs	22mm × 4pcs
U-Clamp Finish	Galvanized	Galvanized	Galvanized	Galvanized
Safety Rope	1.5m × 2pcs	1.5m × 2pcs	1.5m × 2pcs	1.5m × 2pcs
Rope Specification	Heavy-duty rope	Heavy-duty rope	Heavy-duty rope	Heavy-duty rope
Rope Color	Red ends, white center	Red ends, white center	Red ends, white center	Red ends, white center
Maximum Load	≤2000kg	≤2000kg	≤2000kg	≤2000kg
Minimum Wall Distance	≥100mm	≥100mm	≥100mm	≥100mm
Compatible Speaker	JL 206, JLS 15	JL 208, JLS 18	JL 210, JLS 18-10	JL 212, JLS 18C
Frame Dimensions (W×D×H)	572×710×60mm	694×710×60mm	836×710×60mm	951×735×60mm

Line Array Speaker





Monitor Speaker

Ensure flawless performance with our Monitor Speakers, delivering accurate and detailed sound for professional stage monitoring and critical listening environments.

- MS 105A** | 5" Powered Monitor Speaker
- MS 106A** | 6" Powered Monitor Speaker
- MS 108A** | 8" Powered Monitor Speaker

Experience precision and clarity with the MS A Series Powered Monitor Speakers, engineered for studio monitoring, nearfield stage use, and high-fidelity installations in professional environments. Whether in broadcast studios, small presentation spaces, or boutique performance venues, the MS 105A, MS 106A, and MS 108A deliver studio-grade clarity with Kevlar LF drivers and silk dome HF units, supported by active amplification for balanced, dynamic audio. Their

compact design and XLR/TRS inputs make them ideal for fixed installations requiring precision over brute volume. With frequency ranges reaching up to 45KHz, these monitors provide exceptional detail and depth, while their robust MDF cabinets ensure durability and acoustic efficiency. Designed for seamless integration, they feature balanced XLR and TRS inputs, making them ideal for fixed installations, return systems, and high-performance environments.



	MS 105A	MS 106A	MS 108A
Amplifier Power (RMS)	LF 40W, HF 30W	LF 70W, HF 60W	LF 70W, HF 60W
Input Impedance	20 KΩ balanced, 10 KΩ unbalanced	20 KΩ balanced, 10 KΩ unbalanced	20 KΩ balanced, 10 KΩ unbalanced
Frequency Response	48Hz – 45KHz	45Hz – 45KHz	42Hz – 45KHz
Frequency Range (-10 dB)	43Hz – 45KHz	40Hz – 45KHz	37Hz – 45KHz
Maximum Peak Output	60W	80W	80W
Coverage Angle (H x V)	120 X 110	120 X 110	120 X 110
Crossover Frequency	2.8KHz	2.5KHz	2.2KHz
Signal-to-Noise Ratio	100 dB (A-weighted)	100 dB (A-weighted)	> 100 dB (A-weighted)
Speaker Component	5" (127mm) Kevlar cone, magnetically shielded	6" (153mm) Kevlar cone, magnetically shielded	8" (203mm) Kevlar cone, magnetically shielded
Tweeter	1" (25mm) natural silk dome, magnetically shielded	1.25" (32mm) natural silk dome, magnetically shielded	1.25" (32mm) natural silk dome, magnetically shielded
Safety	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA	NA
Material & Finish	Vinyl-laminated high-acoustic-efficiency MDF	Vinyl-laminated high-acoustic-efficiency MDF	Vinyl-laminated high-acoustic-efficiency MDF
Connectors	1x XLR balanced, 1x TRS balanced/unbalanced	1x XLR balanced, 1x TRS balanced/unbalanced	1x XLR balanced, 1x TRS balanced/unbalanced
Power Requirements	100-230V ~50/60Hz	100-230V ~50/60Hz	100-230V ~50/60Hz
Dimensions (W x H x D)	176 x 250 x 200 mm	213 x 318 x 249 mm	254 x 381 x 305 mm
Weight	5 kg	7.5 kg	12 kg

Monitor Speaker

MS 110 | 10" Monitor Speaker

MS 112 | 12" Monitor Speaker

Hear yourself on stage with absolute precision and power with the MS Series Professional Stage Monitors. Engineered specifically for the demanding environment of live performance, these coaxial monitors deliver a true point-source audio experience, ensuring every nuance of your performance is reproduced with unwavering clarity. By placing the high and low-frequency drivers on the exact same axis, the MS Series eliminates the phase and timing issues common in traditional monitors, creating a remarkably consistent sound field whether you are directly on-axis or moving around the stage. Available in a compact 10" (MS 110) and a high-output 12" (MS 112) model, the series boasts impressive power handling of up to 500W RMS (1000W Peak). This immense headroom allows the monitors to cut through the loudest stage volumes without breaking a sweat. Housed in a rugged, low-profile, CNC-machined MDF enclosure, and equipped with both a 35mm pole socket and M8 mounting points, the MS Series is a true workhorse—equally at home on the floor as a wedge, on a stand as a side-fill, or as a main speaker for smaller events.



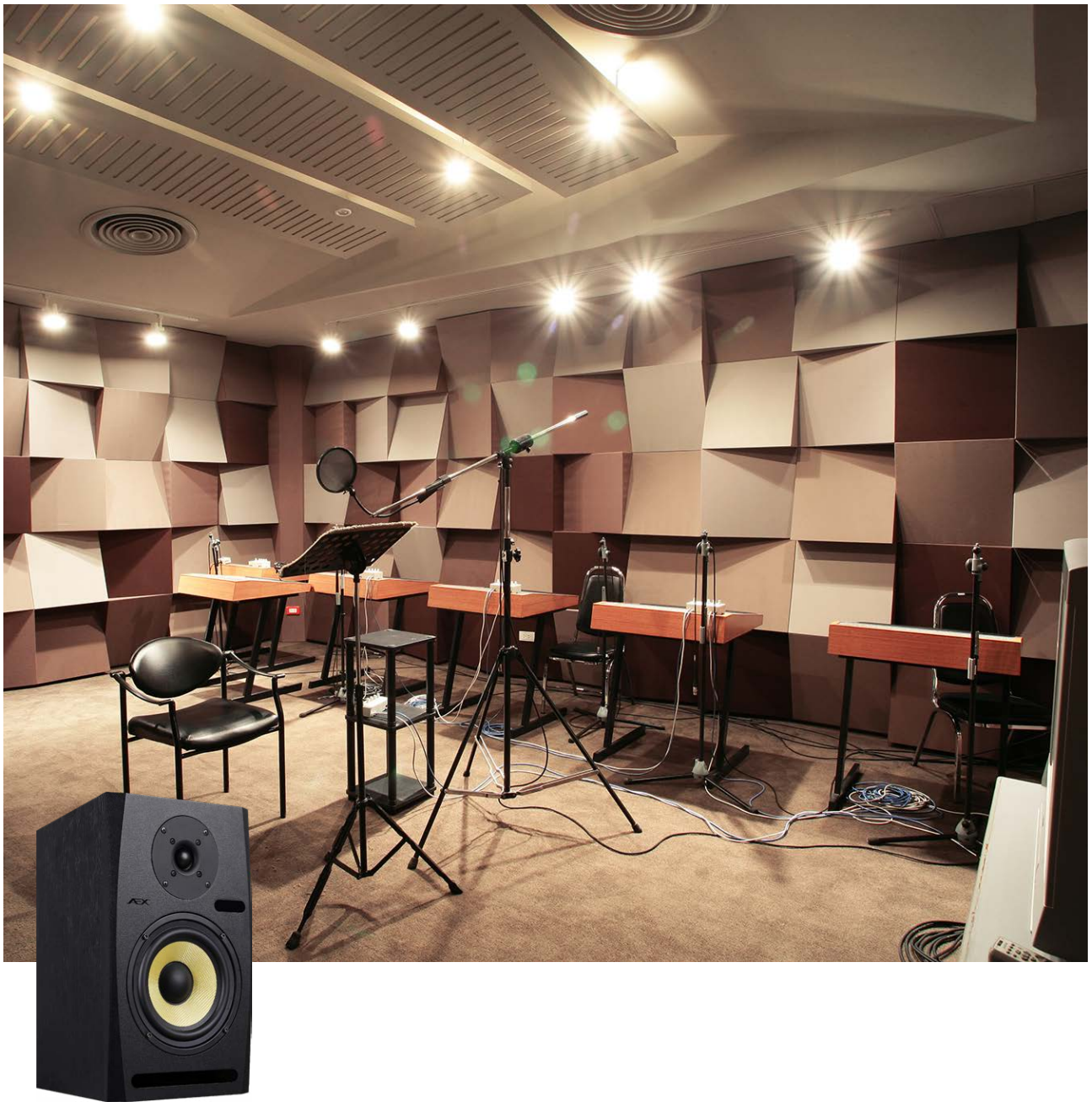
MS 112



MS 110

	MS 110	MS 112
Rated Input	400W (RMS)	500W (RMS)
Impedance	8Ω	8Ω
Maximum Power	800W (PEAK)	1000W (PEAK)
Frequency Response	50Hz-18KHz (±3dB)	55Hz-18KHz (±3dB)
Frequency Range (-10 dB)	45Hz-20KHz	40Hz-20KHz
Sensitivity 1W @ 1m	96dB	98dB
Maximum Peak Output	122dB (PEAK)	124dB (PEAK)
Coverage Angle (1kHz, -6dB)	60° × 40° (H×V)	60° × 40° (H×V)
Component Type	Coaxial Monitor Speaker	Coaxial Monitor Speaker
Matching Component	N/A	N/A
Speaker Component	1x10" Coaxial Driver	1x12" Coaxial Driver
Tweeter	Integrated Coaxial HF Driver	Integrated Coaxial HF Driver
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA
Material & Finish	CNC-made, high-density MDF board	CNC-made, high-density MDF board
Handles	2	2
Suspension	4x M8 screw points, 35mm pole socket	4x M8 screw points, 35mm pole socket
Connectors	2x Speakon NL4	2x Speakon NL4
Dimensions (W x H x D)	318 x 268 x 352 mm	400 x 328 x 470 mm
Weight	11 kg	18 kg

Monitor Speaker





Column Array Speaker

Discover sleek and versatile audio solutions with our Column Array Speakers, providing excellent sound coverage and aesthetic appeal for both indoor and outdoor installations.





- SL 42** | 4 x 2" Premium Slim Line Array Speaker
- SL 92** | 9 x 2" Premium Slim Line Array Speaker
- SL 122** | 12 x 2" Premium Slim Line Array Speaker
- SL 162** | 16 x 2" Premium Slim Line Array Speaker

Introducing the SL Series, where architectural elegance and acoustic precision converge. This premium line of slim column array speakers is engineered for environments where sound quality cannot be compromised, but visual aesthetics are paramount. The SL Series delivers pristine, intelligible sound from an incredibly discreet profile, making it the definitive choice for architecturally sensitive spaces. By arranging multiple high-performance drivers into a sophisticated vertical line, these speakers produce a controlled, coherent wavefront that ensures exceptional clarity and even coverage over distance. The series offers a complete, scalable ecosystem—from the compact SL 42 to the powerful SL 162—allowing designers and integrators to specify the exact length and output required for any application. Whether you are outfitting a modern house of worship, a corporate boardroom, a museum, or a high-end retail space, the SL Series provides uncompromising audio performance that blends seamlessly into its surroundings, setting a new standard for sonic and visual sophistication.



	SL 42	SL 92	SL 122	SL 162
Rated Input	160W	360W	480W	640W
Impedance	4Ω	4Ω	6Ω	4Ω
Maximum Power	320W	720W	960W	1280W
Frequency Response	300-17KHz	350-17KHz	370-17KHz	380-17KHz
Frequency Range (-10 dB)	200-18KHz	200-18KHz	200-18KHz	200-18KHz
Sensitivity 1W @ 1m	91dB	92dB	92dB	92dB
Maximum Peak Output	113dB	118dB	119dB	120dB
Coverage Angle (1kHz, -6dB)	100° × 25° (H×V)	100° × 18° (H×V)	100° × 16° (H×V)	100° × 14° (H×V)
Speaker Component	4 x 2.25" drivers (25mm VC)	9 x 2.25" drivers (25mm VC)	12 x 2.25" drivers (25mm VC)	16 x 2.25" drivers (25mm VC)
Safety	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA	NA	NA
Material & Finish	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM
Mounting Bracket	SLB 01 SL Mounting Bracket	SLB 01 SL Mounting Bracket	SLB 01 SL Mounting Bracket	SLB 01 SL Mounting Bracket
Connectors	2x Speakon NL4	2x Speakon NL4	2x Speakon NL4	2x Speakon NL4
Dimensions (W x H x D)	68 x 245 x 85 mm	68 x 542 x 85 mm	68 x 720 x 85 mm	68 x 956 x 85 mm
Weight	1.3 kg	2.5 kg	3.4 kg	4.5 kg

Column Array Speaker

SLW 43 | 4 x 3" Weatherproof Column Array Speaker

SLW 83 | 8 x 3" Weatherproof Column Array Speaker

The SLW Series Column Speakers are engineered to deliver exceptional audio clarity and robust performance in the most demanding indoor and outdoor environments. Designed for superior durability, both the SLW 43 and SLW 83 models are housed in a rugged, extruded aluminum chassis with a matching aluminum grille, providing IP55-rated protection against dust and water ingress. This makes them the perfect solution for theme parks, stadiums, public squares, and any commercial space exposed to the elements. The series combines a slim, architecturally pleasing profile with powerful, long-throw audio projection, utilizing multiple full-range drivers and dedicated tweeters to ensure outstanding vocal intelligibility and musical fidelity. With integrated 70V/100V transformers and low-impedance bypass capability, the SLW Series offers unmatched installation flexibility for any distributed sound system.



SLWB 01 | SLW Mounting Bracket



SLW 43

SLW 83

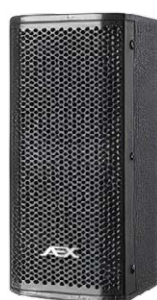
Column Array Speaker

	SLW 43	SLW 83
Rated Input	60W	120W
Impedance	4Ω (in Thru mode)	8Ω (in Thru mode)
Maximum Power	240W (peak)	480W (peak)
Power Taps (70V/100V)	3.75W@70V; 7.5W@100V (1333Ω) 7.5W@70V; 15W@100V (666Ω) 15W@70V; 30W@100V (333Ω) 30W@70V; N/C@100V (166Ω)	7.5W@70V; 15W@100V (666Ω) 15W@70V; 30W@100V (333Ω) 30W@70V; 60W@100V (166Ω) 60W@70V; N/C@100V (83Ω)
Frequency Response	150Hz-20KHz	110Hz-20KHz
Frequency Range (-10 dB)	100Hz-20KHz	95Hz-20KHz
Sensitivity 1W @ 1m	90dB	93dB
Maximum Peak Output	108dB	114dB
Coverage Angle (H x V)	120° × 70°	120° × 70°
Speaker Component	4 × 2.7" Full-Range Drivers	8 × 2.7" Full-Range Drivers
Tweeter	1 × 1" Tweeter	2 × 1" Tweeters
Safety	EN IEC 62368-1	NA
Dust & Water Protection	IP55	IP55
Material & Finish	Extruded aluminum housing & grille, Black finish	Extruded aluminum housing & grille, Black finish
Mounting	Aluminum alloy wall bracket	Aluminum alloy wall bracket
Connectors	Euro Terminal Block	Euro Terminal Block
Dimensions (W x H x D)	91 x 594 x 120 mm	91 x 1170 x 120 mm
Weight	3.3 kg	6.5 kg

Column Array Speaker

VA 204 2 x 4" Premium Column Speaker	VA 204-L 2 x 4" Premium Column Speaker (L)
VA 404 4 x 4" Premium Column Speaker	VA 404-L 4 x 4" Premium Column Speaker (L)
VA 604 6 x 4" Premium Column Speaker	VA 604-L 6 x 4" Premium Column Speaker (L)
VA 804 8 x 4" Premium Column Speaker	VA 804-L 8 x 4" Premium Column Speaker (L)

The VA series is a versatile and powerful range of full-range column speakers designed for a variety of applications, such as conference centers, broadcast rooms, educational facilities, and small entertainment venues. Each model in the VA Series is built with a high-sensitivity 4-inch full-range driver housed in a wooden enclosure, providing excellent sound coupling and a quasi-line source characteristic. This design ensures sharp vertical directivity and wide horizontal dispersion, making it ideal for delivering clear and powerful sound over long distances. The series includes four high-impedance models: VA 204 with two units, VA 404 with four units, VA 604 with six units, and VA 804 with eight units. It also comes in a low-impedance version: VA 204-L with two units, VA 404-L with four units, VA 604-L with six units, and VA 804-L with eight units, allowing flexibility to match different venue sizes and sound reinforcement needs. For added flexibility, it is compatible with the SLB 01 mounting brackets, allowing secure installation with tilt and rotation to suit your preferred angle and coverage.



VA 204
VA 204-L



VA 404
VA 404-L



VA 604
VA 604-L



VA 804
VA 804-L

Column Array Speaker

High Impedance

	VA 204	VA 404	VA 604	VA 804
Rated Input	20W (RMS)	40W (RMS)	60W (RMS)	80W (RMS)
Maximum Power	40W (Peak)	80W (Peak)	120W (Peak)	160W (Peak)
Impedance	500Ω	250Ω	167Ω	125Ω
Frequency Response	110-18KHz	110-18KHz	120-18KHz	120-18KHz
Frequency Range (-10 dB)	90-18KHz	90-18KHz	90-18KHz	90-18KHz
Sensitivity 1W @ 1m	93dB	96dB	97dB	99dB
Maximum Peak Output	113dB	118dB	119dB	123dB
Coverage Angle (H x V)	100° x 30°	100° x 18°	100° x 16°	100° x 14°
Speaker Component	2 x 4" drivers (20mm VC)	4 x 4" drivers (20mm VC)	6 x 4" drivers (20mm VC)	8 x 4" drivers (20mm VC)
Safety	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA	NA	NA
Material & Finish	WOODEN	WOODEN	WOODEN	WOODEN
Mounting	SLB 01 MOUNTING BRACKET	SLB 01 MOUNTING BRACKET	SLB 01 MOUNTING BRACKET	SLB 01 MOUNTING BRACKET
Connectors	2x Speakon NL4	2x Speakon NL4	2x Speakon NL4	2x Speakon NL4
Dimensions (W x H x D)	120 x 260 x 145 mm	120 x 525 x 145 mm	120 x 806 x 145 mm	120 x 1006 x 145 mm
Weight	3 kg	5.5 kg	8 kg	10.3 kg

Low Impedance

	VA 204-L	VA 404-L	VA 604-L	VA 804-L
Rated Input	60W (RMS)	120W (RMS)	180W (RMS)	240W (RMS)
Impedance	4Ω	8Ω	6Ω	4Ω
Maximum Power	120W (Peak)	240W (Peak)	360W (Peak)	480W (Peak)
Frequency Response	110-18KHz	110-18KHz	120-18KHz	120-18KHz
Frequency Range (-10 dB)	90-18KHz	90-18KHz	90-18KHz	90-18KHz
Sensitivity 1W @ 1m	95dB	98dB	98dB	101dB
Maximum Peak Output	111dB	117dB	119dB	123dB
Coverage Angle (H x V)	100° x 30°	100° x 18°	100° x 16°	100° x 14°
Speaker Component	2 x 4" drivers (20mm VC)	4 x 4" drivers (20mm VC)	6 x 4" drivers (20mm VC)	8 x 4" drivers (20mm VC)
Safety	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA	NA	NA
Material & Finish	WOODEN	WOODEN	WOODEN	WOODEN
Mounting	SLB 01 MOUNTING BRACKET	SLB 01 MOUNTING BRACKET	SLB 01 MOUNTING BRACKET	SLB 01 MOUNTING BRACKET
Connectors	2x Speakon NL4	2x Speakon NL4	2x Speakon NL4	2x Speakon NL4
Dimensions (W x H x D)	120 x 260 x 145 mm	120 x 525 x 145 mm	120 x 806 x 145 mm	120 x 1006 x 145 mm
Weight	2.8 kg	5.3 kg	7.8 kg	10 kg



Steerable Column Array Speaker

Discover sleek and versatile audio solutions with our Steerable Column Array Speakers, providing excellent sound coverage and aesthetic appeal for indoor installations.

AL 803 | 8 x 3" Steerable Column Array Speaker

AL 804 | 8 x 4" Steerable Column Array Speaker

Introducing the AL 803 and AL 804 Steerable Array Speakers, the latest advancements in our audio lineup designed for precise and dynamic sound delivery. These speakers utilize directional waveguide technology to suppress unwanted side lobes and achieve desired directivity, enhancing speech clarity and reducing interference from reflections. With powerful DSP capabilities, users can adjust the vertical radiation angle, control beam shaping, and manage various audio parameters through an intuitive software interface. The sleek wooden enclosures are aesthetically pleasing and available in black, seamlessly blending into any environment. Supporting multiple installation methods, these speakers are ideal for diverse applications.

The AL 803 features eight 3-inch full-range drivers and delivers an impressive performance with a power rating of 180W RMS and 720W peak. The AL 804, equipped with eight 4-inch full-range drivers, offers a robust 200W RMS and 800W peak power. Both models incorporate high-efficiency Class-D amplifiers and comprehensive protective features, ensuring reliable and powerful audio performance while maintaining energy efficiency. Experience unparalleled sound quality and versatility with the AL 803 and AL 804 Steerable Array Speakers.



AL 803

AL 804



SLB 01 | SL Mounting Bracket

	AL 803	AL 804
Rated Input	180W (RMS)	200W (RMS)
Maximum Power	720W (Peak)	800W (Peak)
Amplifier	Class-D with integrated digital audio switch power	Class-D with integrated digital audio switch power
DSP	24-bit AD/DA, 96kHz sampling rate	24-bit AD/DA, 96kHz sampling rate
Frequency Response	95Hz-20KHz	100Hz-20KHz
Frequency Range (-10 dB)	80Hz-20KHz	78Hz-20KHz
Sensitivity 1W @ 1m	93dB	96dB
Maximum Peak Output	115dB	120dB
Coverage Angle (H x V)	120° × 30° (±20° steerable)	120° × 30° (±20° steerable)
Speaker Component	8 x 3" drivers (0.75" VC)	8 x 4" drivers (0.75" VC)
Safety	IEC EN 62368-1	IEC EN 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Wooden enclosure with rainproof paint finish, Steel grille	Wooden enclosure with rainproof paint finish, Steel grille
Mounting	SLB 01 SL Mounting Bracket	SLB 01 SL Mounting Bracket
Connectors	2x Speakon NL4	2x Speakon NL4
Dimensions (W x H x D)	115 x 694 x 142 mm	131 x 966 x 150 mm
Weight	8.8 kg	11.8 kg



Powered Column Array Loudspeaker

Experience unparalleled audio projection with our Powered Column Array Loudspeaker. This sleek, vertical design combines power and clarity, delivering immersive sound coverage for a superior listening experience in any setting.



X 8 | HF Array with Sub-woofer

X 10 | HF Array with Sub-woofer

Engineered specifically for Wedding Venues, Live Music Venues, Mobile DJ Performances, Outdoor Events, and Conference Centers, the X Core Series delivers complete sound reinforcement through its innovative integrated column-subwoofer design. Featuring a rechargeable 14.8V 5200MA lithium battery, Bluetooth 5.7 connectivity with TWS capability, and Class D Bi-amp technology with four DSP modes, these systems provide 200W RMS power (100W column + 100W sub) that delivers balanced audio performance for both speech and music in spaces up to 150 people. The compact design (X 8: 151cm total height, X 10: 170cm) ensures wide horizontal coverage while maintaining a discreet visual profile that blends with venue aesthetics, and the integrated USB charging port keeps presenter devices powered during critical moments, making the X Core Series the ideal mobile solution for professionals who require quality sound without complex setups or external amplifiers.



X 8

X 10



X 8



X 10



X 8



X 10

Powered Column Array Loudspeaker

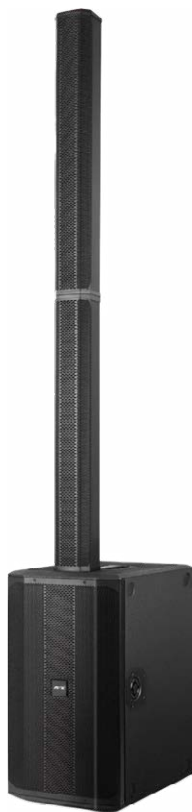
X10-2 | HF Array with Sub-woofer

X12 | HF Array with Sub-woofer

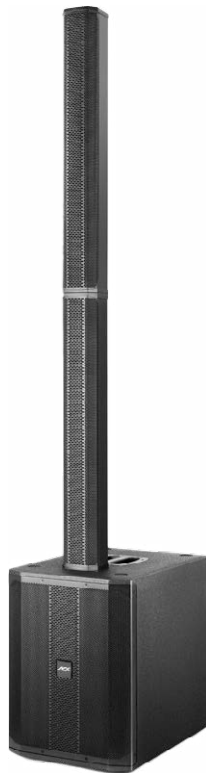
X15 | HF Array with Sub-woofer

Designed for professional applications across Wedding Venues, Live Music Venues, Mobile DJ Performances, Outdoor Events, and Conference Centers, the X Extended Series delivers substantial power (1000W RMS) and impressive sound pressure levels (125-128dB) through precision-engineered column arrays that provide consistent coverage across wider audience areas. Available in multiple configurations—from the dual-sub X 10-2 for mid-sized venues to the dual-column X 15 for large spaces—these systems feature advanced DSP processing with

dedicated modes for both speech intelligibility and musical performance, ensuring optimal sound for ceremonies, conferences, and energetic music events. With frequency response down to 40Hz, robust NL4 connectivity, and professional-grade construction that withstands regular use, the X Extended Series provides the reliability and performance needed for venues that regularly host events requiring clear speech reinforcement and full-range musical reproduction, all while maintaining the elegant aesthetics expected in premium event spaces.



X 10-2



X 12



X 15



X 10-2



X 12



X 15

Powered Column Array Loudspeaker

	X 8	X 10
System Power (RMS)	200W (100W Sub + 100W Col)	200W (100W Sub + 100W Col)
System Power (Peak)	800W	800W
Amplifier / DSP	Class D Bi-amp, DSP (4 modes), BT 5.3 + TWS, USB Charger	Class D Bi-amp, DSP (4 modes), BT 5.3 + TWS, USB Charger
Rechargeable Battery	14.8V 5200mAh Lithium	14.8V 5200mAh Lithium
Frequency Response	50Hz - 19KHz	47Hz - 19KHz
Frequency Range (-10 dB)	40Hz - 20KHz	40Hz - 20KHz
Sensitivity 1W @ 1m	105dB	107dB
Maximum Peak Output	115dB	117dB
Crossover Frequency	170Hz	170Hz
Coverage Angle (H x V)	90 x 70	90 x 70
Subwoofer Component	1 x 8" Woofer (2" VC)	1 x 10" Woofer (2" VC)
Column Component	4 x 2.75" Neodymium MF	4 x 3" MF
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Aluminium Column + high-density MDF	Aluminium Column + high-density MDF
Included Components	1x Sub, 1x Col, 2x Spacer, 1x AC Cord	1x Sub, 1x Col, 2x Spacer, 1x AC Cord
Total System Height	1510 mm	1700 mm
Subwoofer Dimensions (W x H x D)	425 x 455 x 380 mm	625 x 525 x 400 mm
Column Dimensions (W x H x D)	325 x 350 x 195 mm	325 x 390 x 195 mm
Subwoofer Weight (Net)	12.5 kg	16 kg
Column Weight (Net)	5.5 kg	5.5 kg

	X 10-2	X 12	X 15
System Power (RMS)	1000W (500W Sub + 500W Col)	1000W (500W Sub + 500W Col)	1000W (500W Sub + 500W Col)
System Power (Peak)	4000W	4000W	4000W
Amplifier / DSP	Class D Bi-amp, DSP (4 modes), BT 5.1 + TWS	Class D Bi-amp, DSP (4 modes), BT 5.1 + TWS	Class D Bi-amp, DSP (4 modes), BT 5.1 + TWS
Frequency Response	50Hz - 19KHz	47Hz - 19KHz	55Hz - 19KHz
Frequency Range (-10 dB)	40Hz - 20KHz	40Hz - 20KHz	47Hz - 20KHz
Sensitivity 1W @ 1m	113dB	118dB	120dB
Maximum Peak Output	125dB	125dB	128dB
Crossover Frequency	170Hz	170Hz	170Hz
Coverage Angle (H x V)	90 x 70	90 x 70	100 x 70
Subwoofer Component	2 x 10" Woofer (2" VC)	1 x 12" Woofer (2" VC)	1 x 15" Woofer (3" VC)
Column Component	6 x 3" Neodymium MF + 1" HF	6 x 3" Neodymium MF + 1" HF	2x (6 x 3" Neodymium MF + 1" HF)
Safety	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA	NA
Material & Finish	Aluminium Column + high-density MDF	Aluminium Column + high-density MDF	Aluminium Column + high-density MDF
Included Components	1x Sub, 1x Col, 1x Spacer, 1x AC Cord	1x Sub, 1x Col, 1x Spacer, 1x AC Cord	1x Sub, 2x Col, 1x AC Cord
Total System Height	2010 cm	1900 cm	2000 cm
Subwoofer Dimensions (W x H x D)	410 x 695 x 565 mm	450 x 585 x 595 mm	525 x 665 x 690 mm
Column Dimensions (W x H x D)	835 x 195 x 325 mm	835 x 195 x 325 mm	835 x 195 x 325 mm
Subwoofer Weight (Net)	24 kg	22 kg	35 kg
Column Weight (Net)	5.5 kg	5.5 kg	6.15 kg



Ceiling Speakers

Seamlessly integrate audio into your space with our Ceiling Speakers. Discreet and high-performing, these speakers provide immersive sound, effortlessly blending into your environment for a sophisticated audio experience.

- HC 5021** | Professional 5" Ceiling Speaker
- HC 5021E** | Professional 5" Ceiling Speaker with Enclosure
- HC 6031** | Professional 6" Ceiling Speaker
- HC 6031E** | Professional 6" Ceiling Speaker with Enclosure
- HC 8041** | Professional 8" Ceiling Speaker
- HC 8041E** | Professional 8" Ceiling Speaker with Enclosure



Introducing the HC Series, a comprehensive family of professional ceiling speakers designed to deliver exceptional audio fidelity across a wide range of commercial applications. This versatile series offers a complete, scalable solution with 5-inch (HC 5021), 6-inch (HC 6031), and 8-inch (HC 8041) models, ensuring the perfect sonic fit for any space. Each size is available in two distinct versions: a standard, open-back model for streamlined installation, and an 'E' version equipped with a robust metal enclosure for enhanced acoustic performance,

improved low-frequency response, and sound isolation between floors. Featuring a unique dual-tweeter design for broad, even coverage and flexible operation on both 100V line and 8Ω systems, the HC Series is the definitive choice for delivering high-quality background music, paging, and public address in environments such as retail stores, hotels, conference rooms, and auditoriums.



HC 5021



HC 5021E



HC 6031



HC 6031E



HC 8041



HC 8041E

Ceiling Speakers

HC 1012E | Professional 10" High Power Ceiling Speaker with Enclosure

HCS 1024E | Professional 10" High Power Ceiling Sub-woofer

Stepping to the forefront of architectural audio, the HC 1012E and HCS 1024E represent the pinnacle of the HC ceiling speaker series, engineered as a complete system solution for spaces that demand both aesthetic discretion and high-impact sonic performance. This powerful duo combines a 10-inch high-output, two-way loudspeaker with a dedicated 10-inch subwoofer, designed to deliver a true full-range audio experience that rivals traditional surface-mount systems. With robust 240W power handling and integrated metal

enclosures, this system is purpose-built to fill large, high-ceilinged venues—such as hotel ballrooms, houses of worship, upscale restaurants, flagship retail stores, and corporate auditoriums—with dynamic, crystal-clear sound and deep, foundational bass. The HC 1012E and HCS 1024E make it possible to achieve concert-level fidelity that is heard, not seen, providing the ultimate audio solution for premium commercial installations.



HC 1012E



HCS 1024E

Ceiling Speakers

	HC 5021	HC 5021E	HC 6031	HC 6031E	HC 8041	HC 8041E
Rated Input (8Ω)	40W	40W	60W	60W	100W	100W
Maximum Power (8Ω)	80W	80W	120W	120W	200W	200W
Power Taps (100V)	20W, 10W, 5W, 2.5W	20W, 10W, 5W, 2.5W	30W, 15W, 7.5W, 3.75W	30W, 15W, 7.5W, 3.75W	40W, 20W, 10W, 5W	40W, 20W, 10W, 5W
Impedance	8Ω	8Ω	8Ω	8Ω	8Ω	8Ω
Frequency Response	120Hz - 19kHz	110Hz - 19kHz	90Hz - 19kHz	80Hz - 19kHz	70Hz - 19kHz	60Hz - 19kHz
Frequency Range (-10 dB)	100Hz - 20kHz	100Hz - 20kHz	70Hz - 20kHz	70Hz - 20kHz	50Hz - 20kHz	50Hz - 20kHz
Sensitivity (1W/1m)	91dB	91dB	94dB	94dB	95dB	95dB
Maximum Peak SPL	110dB (Calculated)	110dB (Calculated)	115dB (Calculated)	115dB (Calculated)	118dB (Calculated)	118dB (Calculated)
Coverage Angle °	130	130	130	130	130	130
Speaker Component	5" Woofer + 2 x 0.75" Tweeter	5" Woofer + 2 x 0.75" Tweeter	6" Woofer + 2 x 1" Tweeter	6" Woofer + 2 x 1" Tweeter	8" Woofer + 2 x 1" Tweeter	8" Woofer + 2 x 1" Tweeter
Safety	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA	NA	NA	NA	NA
Material & Finish	Open-back, metal mesh grille	Metal enclosure with backcan, metal mesh grille	Open-back, metal mesh grille	Metal enclosure with backcan, metal mesh grille	Open-back, metal mesh grille	Metal enclosure with backcan, metal mesh grille
Connectors	Spring Clip Terminals (Low Impedance) Flying Leads (High Impedance)	Spring Clip Terminals	Spring Clip Terminals (Low Impedance) Flying Leads (High Impedance)	Spring Clip Terminals	Spring Clip Terminals (Low Impedance) Flying Leads (High Impedance)	Spring Clip Terminals
Cutout Dimension (Ø)	180 mm	180 mm	200 mm	200 mm	250 mm	250 mm
Dimensions (Ø x D)	239 x 85 mm	239 x 215 mm	264 x 90 mm	264 x 242 mm	320 x 110 mm	320 x 246 mm
Weight	1.4 kg	1.7 kg	2.47 kg	2.8 kg	2.8 kg	3.2 kg

	HC 1012E	HCS 1024E
Rated Input (RMS)	240W	240W
Peak Power Handling	480W (Calculated)	480W (Calculated)
Power Taps (100V)	120W, 60W, 30W	240W, 120W, 60W
Impedance	8Ω	4Ω
Frequency Response	60Hz - 20kHz	50Hz - 180Hz
Frequency Range (-10 dB)	45Hz - 20kHz	36Hz - 150Hz
Sensitivity (1W/1m)	93dB	92dB
Maximum Peak SPL	117dB (Calculated)	116dB (Calculated)
Coverage Angle	130	120
Speaker Component	10" Woofer + 1.5" Tweeter	10" Subwoofer Driver
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Metal enclosure, metal mesh grille	Metal enclosure, metal mesh grille
Connectors	5.08 mm Phoenix Female Connector	5.08 mm Phoenix Female Connector
Cutout Dimension (Ø)	330 mm	330 mm
Dimensions (Ø x D)	360 x 330 mm	360 x 330 mm
Weight	10.5 kg	9.5 kg

Ceiling Speakers

HCS 850E | 8" Ceiling Sub-woofer

Elevate the auditory experience in any commercial space with the HCS 850E, a professional 8-inch ceiling subwoofer designed to add foundational depth and richness to distributed audio systems. Engineered for seamless architectural integration, the HCS 850E features a contemporary rimless grille that sits flush with the ceiling surface, making it virtually disappear while delivering impactful low-frequency performance. It is the perfect complement to systems

utilizing smaller satellite ceiling speakers, taking the strain of bass reproduction off them and allowing the entire system to play louder and sound cleaner. Ideal for creating a warm and inviting atmosphere in upscale retail stores, modern restaurants, hotel lobbies, and corporate lounges, the HCS 850E provides the essential low-end punch that transforms standard background music into a full-bodied, engaging sonic environment.



HCS 850E	
Rated Input (RMS)	50W
Peak Power Handling	100W
Power Taps (100V)	50W
Impedance	8Ω
Frequency Response	80Hz - 6kHz
Frequency Range (-10 dB)	65Hz - 5kHz
Sensitivity (1W/1m)	88dB
Maximum Peak SPL	100dB
Coverage Angle	180°
Speaker Component	8" Subwoofer Driver
Safety	EN IEC 62368-1
Dust & Water Protection	NA
Material & Finish	ABS
Connectors	Spring Clip Terminals
Cutout Dimension (Ø)	245 mm
Dimensions (Ø x D)	285 x 195 mm
Weight	3.4 kg

Ceiling Speakers

HC 631 | High Quality Coaxial Ceiling Speaker

HC 631E | High Quality Coaxial Ceiling Speaker

HC 831 | High Quality Coaxial Ceiling Speaker

HC 831E | High Quality Coaxial Ceiling Speaker

HC 851 | High Quality Coaxial Ceiling Speaker

HC 851E | High Quality Coaxial Ceiling Speaker



Introducing the H-Series Music Ceiling Speakers, a versatile and scalable family of high-fidelity loudspeakers engineered to meet the dynamic demands of the modern AV and background music (BGM) industry. This comprehensive series includes the 6-inch HC 631, the 8-inch HC 831, and the high-power 8-inch HC 851, providing a complete toolkit for system designers. Each model is available in two formats: a standard open-back version for easy, cost-effective installation, and an 'E' version featuring an

integrated enclosure for superior acoustic control and predictable performance. With options for both high-impedance (70V/100V) and low-impedance (8Ω) operation, the H-Series delivers exceptional audio quality and installation flexibility, making it the ideal choice for a wide array of environments, from hotels and restaurants to conference rooms and auditoriums.



HC 631



HC 631E



HC 831



HC 831E



HC 851



HC 851E

Ceiling Speakers

	HC 631	HC 631E	HC 831	HC 831E
Power Handling (RMS)	45W	45W	40W	40W
Peak Power Handling	90W (Calculated)	90W (Calculated)	80W (Calculated)	80W (Calculated)
Power Taps (100V)	30W, 15W, 7.5W	30W, 15W, 7.5W	30W, 15W, 7.5W	30W, 15W, 7.5W
Power Taps (70V)	15W, 7.5W, 3.8W	15W, 7.5W, 3.8W	15W, 7.5W, 3.8W	15W, 7.5W, 3.8W
Impedance	8Ω	8Ω	8Ω	8Ω
Frequency Response	60Hz - 18kHz	60Hz - 18kHz	70Hz - 19kHz	70Hz - 19kHz
Frequency Range (-10 dB)	35Hz - 20kHz	35Hz - 20kHz	55Hz - 20kHz	55Hz - 20kHz
Sensitivity (1W/1m)	92dB	92dB	96dB	96dB
Maximum Peak SPL	107dB	107dB	108dB	108dB
Coverage Angle	130°	130°	120°	120°
Speaker Component	160 mm (6.3") 2-Way Coaxial	160 mm (6.3") 2-Way Coaxial	200 mm (8") 2-Way Coaxial	200 mm (8") 2-Way Coaxial
Safety	EN 62368-1	EN 62368-1	EN 62368-1	EN 62368-1
Dust & Water Protection	NA	NA	NA	NA
Material & Finish	Frame: ABS, Grille: Steel Mesh	Enclosure: ABS, Frame: ABS, Grille: Steel Mesh	Frame: ABS, Grille: Steel Mesh	Enclosure: Steel, Frame: ABS, Grille: Steel Mesh
Connectors	Flying Lead	Spring Clip Terminals	Flying Lead	Spring Clip Terminals
Cutout Dimension (Ø)	205 mm	232 mm	255 mm	255 mm
Dimensions (Ø x D)	230 x 75 mm	260 x 178 mm	275 x 95 mm	275 x 180 mm
Weight	1 kg	2 kg	2.3 kg	3.3 kg

	HC 851	HC 851E
Power Handling (RMS)	50W	50W
Peak Power Handling	100W (Calculated)	100W (Calculated)
Power Taps (100V)	50W, 25W, 12.5W	50W, 25W, 12.5W
Power Taps (70V)	25W, 12.5W, 6.25W	25W, 12.5W, 6.25W
Impedance	8Ω	8Ω
Frequency Response	70Hz - 19kHz	65Hz - 19kHz
Frequency Range (-10 dB)	55Hz - 20kHz	55Hz - 20kHz
Sensitivity (1W/1m)	94dB	94dB
Maximum Peak SPL	106dB	106dB
Coverage Angle	120°	120°
Speaker Component	275 mm (10.8") 2-Way Coaxial	275 mm (10.8") 2-Way Coaxial
Safety	EN 62368-1	EN 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Frame: ABS, Grille: Steel Mesh	Enclosure: Steel, Frame: ABS, Grille: Steel Mesh
Connectors	Flying Lead	Spring Clip Terminals
Cutout Dimension (Ø)	245 mm	245 mm
Dimensions (Ø x D)	275 x 105 mm	275 x 175 mm
Weight	2.5 kg	3.2 kg

Ceiling Speakers





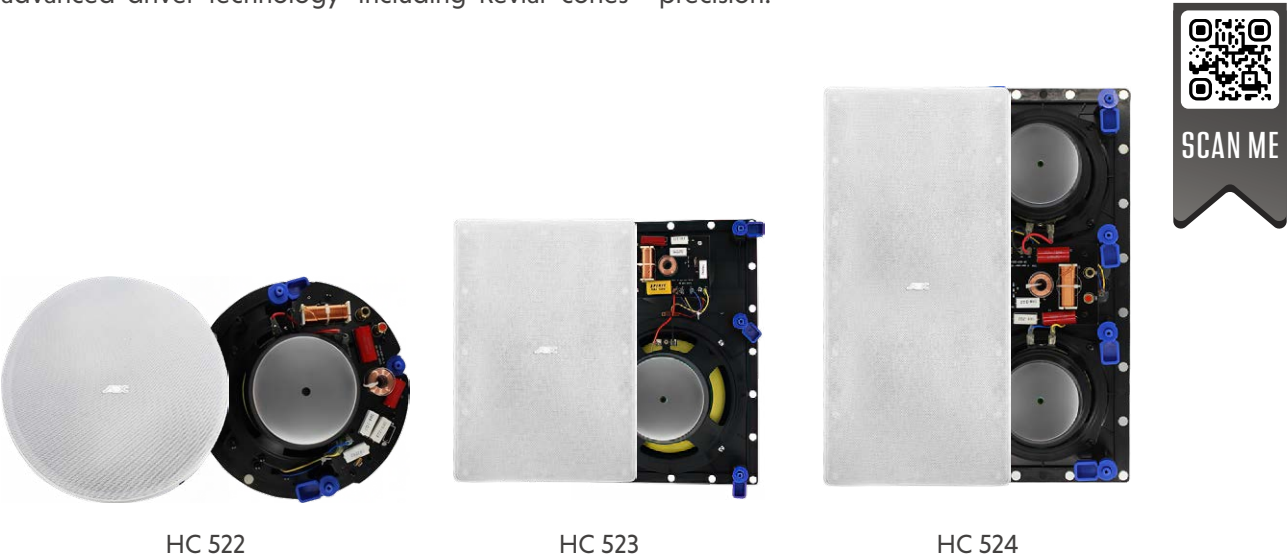
HiFi In-Ceiling/In-Wall Speaker

Immerse yourself in premium audio discreetly with our HiFi In-Ceiling/In-Wall Speakers. Designed for exceptional sound quality, these speakers seamlessly blend into your space for an elevated listening experience.

- HC 522** | 2-Way HiFi In-Ceiling Speaker
- HC 523** | 2-Way HiFi In-Wall Speaker
- HC 524** | Double 2-Way HiFi In-Wall Speaker

Experience the pinnacle of architectural audio with the HC HiFi Series, a meticulously engineered family of in-ceiling and in-wall speakers designed for those who refuse to compromise on sound quality. This premium series, featuring the HC 522 in-ceiling, HC 523 in-wall, and the high-output HC 524 dual-woofer in-wall models, delivers a true high-fidelity listening experience from a virtually invisible source. By fusing advanced driver technology—including Kevlar cones

and pivoting silk dome tweeters—with sophisticated acoustic design, the HC HiFi Series is crafted for seamless integration into discerning residential and upscale commercial environments. Whether building a discreet home cinema, a whole-house multi-room audio system, or creating an immersive atmosphere in a luxury boutique or restaurant, this series sets a new standard for performance, aesthetics, and acoustic precision.



	HC 522	HC 523	HC 524
Rated Input (RMS)	40W	40W	50W
Peak Power Handling	80W	80W	100W
Power Taps (100V)	20W, 10W, 5W	20W, 10W, 5W	50W, 25W, 12.5W
Impedance	8Ω	8Ω	8Ω
Frequency Response	85Hz - 19kHz	85Hz - 19kHz	80Hz - 180kHz
Frequency Range (-10 dB)	65Hz - 20kHz	65Hz - 20kHz	70Hz - 20kHz
Sensitivity (1W/1m)	86dB	86dB	90dB
Maximum Peak SPL	105dB (Calculated)	105dB (Calculated)	110dB (Calculated)
Coverage Angle	120	110 X 110	120 x 110
Speaker Component	5.25" Kevlar Woofer + 0.76" Pivoting Silk Dome Tweeter	5.25" Kevlar Woofer + 0.76" Pivoting Silk Dome Tweeter	2x 5.25" Kevlar Woofer + 0.76" Pivoting Silk Dome Tweeter
Tweeter EQ Control	+2dB / -2dB	+2dB / -2dB	+2dB / -2dB
Safety	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1
Material & Finish	Enclosure: ABS, Grille: Steel	Enclosure: ABS, Grille: Steel	Enclosure: ABS, Grille: Steel
Connectors	Spring Clip Terminals	Spring Clip Terminals	Spring Clip Terminals
Cutout Dimension	Ø 180 mm	252 x 152 mm	384 x 155 mm
Dimensions	Ø 218 x 88 mm	290 x 190 x 84 mm	425 x 197 x 80 mm
Weight	1.2KG	1.4 KG	2.5KG

Hifi In-Ceiling/In-Wall Speaker

HC 632 | 2-Way HiFi In-Ceiling Speaker

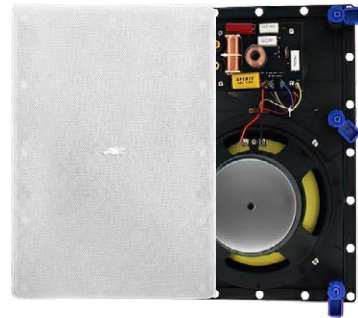
HC 633 | 2-Way HiFi In-Wall Speaker

Stepping up in size and sonic impact, the HC HiFi 6-inch Series represents the new benchmark for integrated high-fidelity audio. Comprising the HC 632 in-ceiling and HC 633 in-wall models, this series is engineered for the discerning listener who desires a richer, more powerful sound without compromising on aesthetics. Built around a robust 6.5-inch Kevlar driver, these speakers deliver a fuller and more

dynamic performance, with deeper bass and greater output capabilities than their smaller counterparts. The HC HiFi 6-inch Series is the definitive choice for primary listening areas, premium multi-room audio systems, and sophisticated home cinemas where immersive, high-performance sound is paramount, all from a source that blends seamlessly into your architecture.



HC 632



HC 633

	HC 632	HC 633
Rated Input (RMS)	60W	60W
Peak Power Handling	120W	120W
Power Taps (100V)	30W, 15W, 7.5W	30W, 15W, 7.5W
Impedance	8Ω	8Ω
Frequency Response	80Hz - 19kHz	80Hz - 19kHz
Frequency Range (-10 dB)	60Hz - 20kHz	60Hz - 20kHz
Sensitivity (1W/1m)	88dB	88dB
Maximum Peak SPL	109dB (Calculated)	109dB (Calculated)
Coverage Angle	120	110 x 120
Speaker Component	6.5" Kevlar Woofer + 0.76" Pivoting Silk Dome Tweeter	6.5" Kevlar Woofer + 0.76" Pivoting Silk Dome Tweeter
Tweeter EQ Control	+2dB / -2dB	+2dB / -2dB
Safety	EN IEC 62368-1	EN IEC 62368-1
Material & Finish	Enclosure: ABS, Grille: Steel	Enclosure: ABS, Grille: Steel
Connectors	Spring Clip Terminals	Spring Clip Terminals
Cutout Dimension	Ø 208 mm	282 x 182 mm
Dimensions	Ø 248 x 97 mm	323 x 223 x 88 mm
Weight	2.2 kg	2.4KG

Hifi In-Ceiling/In-Wall Speaker

HC 852 | 2-Way HiFi In-Ceiling Speaker

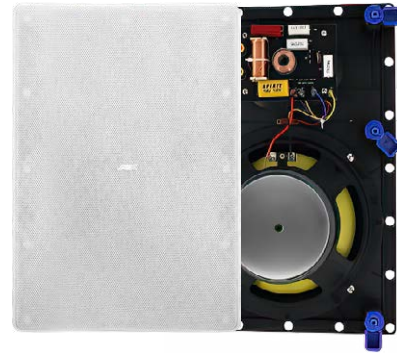
HC 853 | 2-Way HiFi In-Wall Speaker

Presenting the HC HiFi 8-inch Series, the flagship of our architectural loudspeaker collection and the ultimate expression of integrated high-fidelity sound. Comprising the HC 852 in-ceiling and HC 853 in-wall models, this series is engineered for the most demanding applications where sonic performance is paramount. By leveraging a massive 8-inch Kevlar woofer, these speakers deliver a truly full-range audio

experience, characterized by deep, authoritative bass, exceptional dynamic range, and an effortless, room-filling presence. The HC HiFi 8-inch Series is the definitive solution for dedicated home cinemas, large open-plan living spaces, and premium commercial venues that require uncompromising audio fidelity without any visual intrusion.



HC 852



HC 853

	HC 852	HC 853
Rated Input (RMS)	80W	80W
Peak Power Handling	160W	160W
Power Taps (100V)	50W, 25W, 12.5W	50W, 25W, 12.5W
Impedance	8Ω	8Ω
Frequency Response	65Hz - 19kHz	65Hz - 19kHz
Frequency Range (-10 dB)	45Hz - 20kHz	45Hz - 20kHz
Sensitivity (1W/1m)	88dB	88dB
Maximum Peak SPL	110dB (Calculated)	110dB (Calculated)
Coverage Angle	120	120 x 110
Speaker Component	8" Kevlar Woofer + 0.76" Pivoting Silk Dome Tweeter	8" Kevlar Woofer + 0.76" Pivoting Silk Dome Tweeter
Tweeter EQ Control	+2dB / -2dB	+2dB / -2dB
Safety	EN IEC 62368-1	EN IEC 62368-1
Material & Finish	Enclosure: ABS, Grille: Steel	Enclosure: ABS, Grille: Steel
Connectors	Spring Clip Terminals	Spring Clip Terminals
Cutout Dimension	Ø 248 mm	322 x 222 mm
Dimensions	Ø 286 x 108 mm	363 x 263 x 108 mm
Weight	2.5 KG	2.7 KG



Foreground Music Speakers

Elevate your audio ambiance with Foreground Music Speakers. Purposefully designed for clarity and presence, these speakers deliver exceptional sound quality, making them the ideal choice for foreground music and immersive experiences.

HD 4021W | Professional 4" Surface-Mounted Loudspeaker (White)

HD 4021B | Professional 4" Surface-Mounted Loudspeaker (Black)

HD 5031W | Professional 5" Surface-Mounted Loudspeaker (White)

HD 5031B | Professional 5" Surface-Mounted Loudspeaker (Black)

HD 6041W | Professional 6" Surface-Mounted Loudspeaker (White)

HD 6041B | Professional 6" Surface-Mounted Loudspeaker (Black)



Introducing the HD Series, a comprehensive family of professional surface-mounted loudspeakers designed to deliver exceptional audio performance in a sleek, versatile package. This series offers a scalable solution for any commercial environment, featuring the compact 4-inch HD 4021, the balanced 5-inch HD 5031, and the high-output 6.5-inch HD 6041. Available in both black and white finishes, each speaker is

housed in a durable ABS enclosure with a modern aesthetic that complements any decor. Engineered for flexibility, all models support 100V/70V distributed line systems and standard 8-ohm low-impedance connections, making the HD Series the ideal choice for delivering high-quality background music and crystal-clear public address in retail stores, restaurants, classrooms, hospitality venues, and corporate offices.



HD 4021W



HD 4021B



HD 5031W



HD 5031B



HD 6041W



HD 6041B

Foreground Music Speakers

HD 8081W | Professional 8" Surface-Mounted Loudspeaker (White)

HD 8081B | Professional 8" Surface-Mounted Loudspeaker (Black)

HD 8082W | Professional Double 8" Surface-Mounted Loudspeaker (White)

HD 8082B | Professional Double 8" Surface-Mounted Loudspeaker (Black)

Step up to the pinnacle of performance with the HD 808x Series, our flagship line of professional high-output surface-mounted loudspeakers. Engineered specifically for large-scale venues and acoustically challenging environments, this series is designed to deliver commanding, full-range audio with exceptional clarity and coverage. The series features two formidable models to meet the most demanding requirements. The HD 8081 establishes a new standard for single-enclosure performance, combining a powerful 8-inch woofer with dual tweeters to produce 200 watts of rich, articulate sound. For ultimate impact

and maximum sound pressure levels, the HD 8082 unleashes an incredible 400 watts of power from its dual 8-inch driver configuration, complemented by a unique six-tweeter array for incredibly broad and consistent high-frequency dispersion. Available in both black and white finishes to integrate seamlessly into any architectural design, the HD 808x Series is the definitive choice for auditoriums, houses of worship, live music venues, large sports bars, and outdoor entertainment spaces where powerful music reinforcement and crystal-clear speech intelligibility are paramount.



HD 8081W



HD 8081B



HD 8082W



HD 8082B

Foreground Music Speakers

	HD 4021W / HD 4021B	HD 5031W / HD 5031B	HD 6041W / HD 6041B
Rated Input (RMS)	40W	80W	160W
Peak Power Handling	80W	160W	320W
Power Taps (100V)	20W, 10W, 5W, 2.5W	30W, 15W, 7.5W, 3.75W	40W, 20W, 10W, 5W
Power Taps (70V)	10W, 5W, 2.5W, 1.25W	15W, 7.5W, 3.75W, 1.87W	20W, 10W, 5W, 2.5W
Impedance	8Ω	8Ω	8Ω
Frequency Response	100Hz - 19kHz	100Hz - 19kHz	100Hz - 19kHz
Frequency Range (-10 dB)	90Hz - 20kHz	80Hz - 20kHz	70Hz - 20kHz
Sensitivity (1W/1m)	89dB	90dB	90dB
Maximum Peak SPL	108dB (Calculated)	112dB (Calculated)	115dB (Calculated)
Coverage Angle	120 X 120	120 X 120	120 X 120
Speaker Component	4" Woofer + 1" Tweeter	5" Woofer + 1" Tweeter	6.5" Woofer + 1" Tweeter
Safety	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	IP 55	IP 55	IP 55
Material & Finish	Enclosure: ABS, Grille: Metal. White (W), Black (B)	Enclosure: ABS, Grille: Metal. White (W), Black (B)	Enclosure: ABS, Grille: Metal. White (W), Black (B)
Mounting	Surface Mount	Surface Mount	Surface Mount
Connectors	Flying Lead	Flying Lead	Flying Lead
Dimensions (W x H x D)	152 x 217 x 119 mm	175 x 255 x 145 mm	198 x 285 x 152 mm
Weight	2.32 kg	2.72 kg	3.52 kg

	HD 8081W / HD 8081B	HD 8082W / HD 8082B
Rated input (RMS)	200W	400W
Peak Power Handling	400W	800W
Power Taps (100V)	80W, 40W, 20W, 10W	80W, 40W, 20W, 10W
Power Taps (70V)	40W, 20W, 10W, 5W	40W, 20W, 10W, 5W
Impedance	8Ω	16Ω
Frequency Response	80Hz - 18kHz	70Hz - 20kHz
Frequency Range (-10 dB)	60Hz - 20kHz	60Hz - 20kHz
Sensitivity (1W/1m)	92dB	94dB
Maximum Peak SPL	118dB (Calculated)	123dB (Calculated)
Coverage Angle	120 X 120	130 X 130
Speaker Component	8" Woofer + 2x 1" Tweeter	2x 8" Woofer + 6x 1" Tweeter
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	IP 55	IP 55
Material & Finish	Enclosure: ABS, Grille: Metal. White (W), Black (B)	Enclosure: ABS, Grille: Metal. White (W), Black (B)
Mounting	Surface Mount	Surface Mount
Connectors	Flying Lead	Flying Lead
Dimensions (W x H x D)	282 x 465 x 186 mm	282 x 465 x 186 mm
Weight	7.5 kg	8.5 kg

Foreground Music Speakers

HB 105W | 5" Single Point Source Coaxial Speaker

HB 105B | 5" Single Point Source Coaxial Speaker

The HB Series is the pinnacle of point source speaker technology, engineered for venues where sound quality must enhance ambiance without interrupting conversation. Its 5" Single Point Source Coaxial Speaker uses an innovative coaxial design—tweeter positioned at the woofer's voice coil—for true single point sound. This ensures superior imaging, phase coherence, and natural sound reproduction across the listening area. With a 70Hz–20kHz frequency response and 94dB sensitivity, it delivers rich,

balanced audio ideal for upscale lounges, fine dining, boutique retail, and premium hospitality spaces. The compact 160 x 160 x 170 mm enclosure, crafted from CNC-made high-density plywood, offers both durability and acoustic performance, while its discreet profile and six mounting points ensure seamless integration in any interior. The HB Series provides precise, high-fidelity audio—perfect for environments where every note matters, but conversation always comes first.



HB 105W



HB 105B

HB 105B / HB 105W	
Rated Input (RMS)	100W
Peak Power Handling	200W
Impedance	8Ω
Frequency Response (±3dB)	90Hz - 19kHz
Frequency Range (-10 dB)	70Hz - 20kHz
Sensitivity (1W/1m)	94dB
Maximum Peak SPL	112dB
Coverage Angle	130 x 120
Speaker Component	5" Coaxial Driver (with 15mm Neodymium Tweeter)
Safety	EN IEC 62368-1
Dust & Water Protection	NA
Material & Finish	Enclosure: High-density CNC plywood. Available in Black (B) or White (W).
Mounting	2 x M6 screw hanging points (M6 for wall mount not provided)
Connectors	Terminal connectors
Dimensions (W x H x D)	160 x 170 x 160 mm
Weight	2.2 kg

Foreground Music Speakers

FG 421W / FG 421B | 2-Way Foreground Music Speaker

FG 531W / FG 531B | 2-Way Foreground Music Speaker

FG 641W / FG 641B | 2-Way Foreground Music Speaker



The FG Series presents a remarkable 2-Way Foreground Music Speaker, meticulously crafted for applications demanding superior audio quality and precise sound projection. Ideally suited for dynamic environments like hypermarkets, exhibition centers, and sports complexes, this speaker boasts a 120 mm dynamic full-range transducer for rich low frequencies and a 25 mm dome tweeter for crisp high frequencies. Versatility is key, and the FG Series offers flexible mounting options, including surface mounting. With three distinct models to choose from, the FG Series ensures a tailored audio solution to elevate your auditory experience in various settings.



FG 421W



FG 421B



FG 531W



FG 531B



FG 641W



FG 641B

	FG 421B / FG 421W	FG 531B / FG 531W	FG 641B / FG 641W
Rated Input (RMS)	20W	30W	40W
Peak Power Handling	40W	60W	80W
Power Taps (100V)	20W, 10W, 5W, 2.5W	30W, 15W, 7.5W, 3.75W	40W, 20W, 10W, 5W
Impedance	8Ω	8Ω	8Ω
Frequency Response	95Hz - 20kHz	95Hz - 20kHz	95Hz - 20kHz
Frequency Range (-10 dB)	75Hz - 20kHz	55Hz - 20kHz	45Hz - 20kHz
Sensitivity (1W/1m)	88dB	90dB	92dB
Maximum Peak SPL	101dB (Calculated)	105dB (Calculated)	108dB (Calculated)
Coverage Angle (H x V)	90° x 90°	90° x 90°	90° x 90°
Speaker Component	4" Woofer + 1" Silk Dome Tweeter	5.25" Woofer + 1" Silk Dome Tweeter	6.5" Woofer + 1" Silk Dome Tweeter
Safety	IEC-62368-1:2018	IEC-62368-1:2018	IEC-62368-1:2018
Dust & Water Protection	IP65	IP65	IP65
Material & Finish	Enclosure: ABS, Grille: Aluminium, Bracket: Aluminium. Available in Black (B) or White (W).	Enclosure: ABS, Grille: Aluminium, Bracket: Aluminium. Available in Black (B) or White (W).	Enclosure: ABS, Grille: Aluminium, Bracket: Aluminium. Available in Black (B) or White (W).
Mounting	Surface Mount with included Aluminium Bracket	Surface Mount with included Aluminium Bracket	Surface Mount with included Aluminium Bracket
Connectors	Spring Clip Terminals	Spring Clip Terminals	Spring Clip Terminals
Dimensions (W x H x D)	170 x 228 x 140 mm	185 x 255 x 180 mm	216 x 285 x 205 mm
Weight	2.3 kg	2.8 kg	3.3 kg



Premium AV Surface-Mounted Loudspeaker

Experience superior audio aesthetics with our Premium Surface-Mounted Speakers. Meticulously designed for both style and performance, these speakers deliver premium sound quality while seamlessly complementing your space.

HD 420W / HD 420B | Premium AV Surface-Mounted Loudspeaker

HD 530W / HD 530B | Premium AV Surface-Mounted Loudspeaker

HD 640W / HD 640B | Premium AV Surface-Mounted Loudspeaker

Experience the convergence of sonic luxury and sophisticated design with the HD Premium AV Series, our most distinguished line of surface-mounted loudspeakers. This series represents the pinnacle of audio-visual integration, meticulously engineered for environments where both aesthetic elegance and uncompromising sound quality are paramount. Comprising the compact 4-inch HD 420, the versatile 5.25-inch HD 530, and the powerful 6.5-inch HD 640, this family of speakers delivers a consistently refined auditory experience across a range of applications.

Each model features an advanced crossover circuit that ensures a seamless and natural sound profile, housed within a stunning two-tone enclosure of high-grade ABS and brushed aluminum. Designed for discerning clients and premium spaces, the HD Premium AV Series is the definitive choice for executive boardrooms, luxury retail, boutique hotels, modern art galleries, and upscale residences, setting a new benchmark for what a surface-mounted speaker can look and sound like.



HD 420W



HD 420B



HD 530W



HD 530B



HD 640W



HD 640B

Premium AV Surface-Mounted Speakers

HD 641W / HD 641B | Premium AV Surface-Mounted Loudspeaker

HD 851W / HD 851B | Premium AV Surface-Mounted Loudspeaker

Crowning the esteemed Premium AV Series, the HD 641 and HD 851 models represent a masterclass in audio opulence and sophisticated design. Engineered as the crown jewels of our surface-mounted speaker offerings, these loudspeakers are built for environments where only an unrivaled, immersive auditory experience will suffice. This high-performance tier includes the powerful 6.5-inch HD 641 and the commanding 8-inch HD 851. The defining feature of this elite lineup is the audiophile-grade 1-inch silk dome tweeter, which delivers a

silky-smooth and incredibly detailed high-frequency reproduction that is both brilliant and non-fatiguing. Paired with powerful, high-excursion woofers and housed in the signature ABS and aluminum chassis, these speakers produce an expansive, crystal-clear soundstage with profound depth and authority. For high-end restaurants, executive conference centers, private cinemas, and luxury hospitality venues, the HD 641 and HD 851 redefine expectations, delivering an exceptional blend of premium aesthetics and superior sound.



HD 641W



HD 851W



HD 641B



HD 851B

Premium AV Surface-Mounted Speakers

	HD 420W / HD 420B	HD 530W / HD 530B	HD 640W / HD 640B
Rated Input (RMS)	20W	30W	40W
Peak Power Handling	40W (Calculated)	60W (Calculated)	80W (Calculated)
Power Taps (100V)	20W, 10W, 5W, 2.5W	30W, 15W, 7.5W, 3.75W	40W, 20W, 10W, 5W
Impedance	8Ω	8Ω	8Ω
Frequency Response	110Hz - 19kHz	100Hz - 19kHz	100Hz - 19kHz
Frequency Range (-10 dB)	90Hz - 20kHz	80Hz - 20kHz	80Hz - 20kHz
Sensitivity (1W/1m)	90dB	91dB	91dB
Maximum Peak SPL	103dB (Calculated)	106dB (Calculated)	107dB (Calculated)
Coverage Angle	130 x 110	130 x 110	130 x 110
Speaker Component	4" Woofer + 0.5" Mylar Dome Tweeter	5.25" Woofer + 0.5" Mylar Dome Tweeter	6.5" Woofer + 0.5" Mylar Dome Tweeter
Safety	EN IEC 62368-1	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	IP 65	IP 65	IP65
Material & Finish	Enclosure: ABS, Grille: Aluminum. Available in Black (B) or White (W).	Enclosure: ABS, Grille: Aluminum. Available in Black (B) or White (W).	Enclosure: ABS, Grille: Aluminum. Available in Black (B) or White (W).
Mounting	Wall Bracket	Wall Bracket	Wall Bracket
Connectors	Spring Clip Terminals	Spring Clip Terminals	Spring Clip Terminals
Dimensions (W x H x D)	135 x 218 x 180 mm	170 x 260 x 210 mm	206 x 300 x 250 mm
Weight	1.9KG	2.7KG	3.5KG

	HD 641W / HD 641B	HD 851W / HD 851B
Rated Input (RMS)	40W	60W
Peak Power Handling	80W (Calculated)	120W (Calculated)
Power Taps (100V)	40W, 20W, 10W, 5W	50W, 25W, 12.5W
Impedance	8Ω	8Ω
Frequency Response	80Hz - 19kHz	85Hz - 18kHz
Frequency Range (-10 dB)	60Hz - 20kHz	65Hz - 20kHz
Sensitivity (1W/1m)	92dB	92dB
Maximum Peak SPL	108dB (Calculated)	110dB (Calculated)
Coverage Angle	130 x 110	130 x 110
Speaker Component	6.5" Woofer + 1" Silk Dome Tweeter	8" Woofer + 1" Silk Dome Tweeter
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	IP 65	IP 65
Material & Finish	Enclosure: ABS, Grille: Aluminum. Available in Black (B) or White (W).	Enclosure: ABS, Grille: Aluminum. Available in Black (B) or White (W).
Mounting	Wall Bracket	Wall Bracket
Connectors	Spring Clip Terminals	Spring Clip Terminals
Dimensions (W x H x D)	218 x 330 x 263 mm	270 x 428 x 338 mm
Weight	3.8kg	5.2 kg

Premium AV Surface-Mounted Speakers

HD 320B | Wall Mounted Music Speaker

Introducing the HD 320B, a compact powerhouse designed to solve one of the biggest challenges in modern audio installation: delivering rich, high-quality sound in spaces where room is at a premium. This 3.5-inch wall-mounted music speaker combines a remarkably slim, unobtrusive profile with surprisingly robust audio performance. Its sleek, minimalist ABS housing in a professional black finish allows it to blend seamlessly into any environment, from corporate boardrooms to chic retail boutiques. At the heart of the

HD 320B is a carefully engineered coaxial driver, which provides point-source accuracy and exceptionally wide, even sound dispersion. This ensures that every listener in the room enjoys a clear and consistent audio experience, free from the "hot spots" and "dead zones" common with other compact speakers. For architects, designers, and installers who require a discreet, space-efficient, and sonically impressive solution, the HD 320B is the definitive choice for background music, paging, and presentations.



HD 320B	
Rated Input (RMS)	20W
Peak Power Handling	40W (Calculated)
Power Taps (100V)	20W, 10W
Power Taps (70V)	10W, 5W
Impedance	16Ω
Frequency Response	120Hz - 20kHz
Frequency Range (-10 dB)	120Hz - 20kHz
Sensitivity (1W/1m)	85dB (±2dB)
Maximum Peak SPL	99dB (±2dB)
Coverage Angle	120 x 120
Speaker Component	3.5" coaxial
Safety	EN IEC 62368-1
Dust & Water Protection	NA
Material & Finish	Housing: ABS. Available in Black.
Mounting	Wall Mount
Connectors	Spring Clip Terminals
Dimensions (W x H x D)	148 x 138 x 27 mm
Weight	1.23 kg

Premium AV Surface-Mounted Speakers

HDS 810W | Wall Mounted Sub-woofer

HDS 810B | Wall Mounted Sub-woofer

Complete the sonic picture and add a new dimension of depth to your audio system with the HDS 810, a powerful and elegantly designed wall-mounted subwoofer. While traditional satellite speakers excel at clarity, the HDS 810 provides the essential low-frequency foundation that transforms passive background music into an engaging, immersive experience. Featuring a high-excursion 8-inch driver, this subwoofer is engineered to deliver deep, impactful bass that you can truly feel. Its sleek, stylish

enclosure, available in both black and white, is a departure from bulky, floor-standing boxes, allowing it to be integrated seamlessly into the aesthetic of any modern space. Paired with an incredibly versatile 360-degree mounting bracket, the HDS 810 is the perfect solution for adding rich, authoritative bass to high-end retail environments, energetic sports bars, fitness studios, and contemporary restaurants where both premium sound and sophisticated design are non-negotiable.



HDS 810W



HDS 810B



	HDS 810W	HDS 810B
Rated Input (RMS)	100W	100W
Peak Power Handling	200W	200W
Power Taps (100V)	100W, 50W, 25W	100W, 50W, 25W
Impedance	8Ω	8Ω
Frequency Response	85Hz - 500Hz	85Hz - 500Hz
Frequency Range (-10 dB)	65Hz - 500Hz	65Hz - 500Hz
Sensitivity (1W/1m)	85dB (±3dB)	85dB (±3dB)
Maximum Peak SPL	105dB	105dB
Coverage Angle (at 75Hz)	100° (H) x 80° (V)	100° (H) x 80° (V)
Speaker Component	8" Subwoofer Driver	8" Subwoofer Driver
Safety	EN IEC 62368-1	EN IEC 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Enclosure: PP with 360° metal bracket. White (W)	Enclosure: PP with 360° metal bracket. Black (B)
Mounting	Wall Mount	Wall Mount
Connectors	Spring Clip Terminals	Spring Clip Terminals
Dimensions (W x H x D)	395 x 260 x 230 mm	395 x 260 x 230 mm
Weight	4.9 kg	4.9 kg



Music Horn Speaker

Amplify your outdoor audio experience with our Music Horn Speaker. Designed for powerful projection, these speakers deliver clear, dynamic sound, making them the perfect choice for open spaces and outdoor events.



MH 60 | Music Horn Speaker

Break the boundaries of outdoor audio with the MH 60, a revolutionary music horn speaker that shatters the long-held compromise between power and fidelity. For too long, large outdoor spaces have been served by either traditional paging horns that lack musicality or conventional speakers that lack the projection and weather resistance needed to perform. The MH 60 bridges this gap, engineered from the ground up to deliver full-range, high-fidelity music with the commanding presence and long-throw capability of a

horn. By integrating a true two-way speaker system—a 6.5-inch woofer and a 1-inch dome tweeter—into a highly efficient, weatherproof horn chassis, the MH 60 produces sound that is not only loud and clear, but also rich, detailed, and genuinely musical. It is the definitive audio solution for theme parks, sports stadiums, school campuses, large public squares, and any outdoor venue where impactful music and intelligible speech must be delivered with unparalleled clarity and reach.



MH 60	
Rated Input (RMS)	60W
Peak Power Handling	120W (Calculated)
Power Taps (100V)	60W, 30W, 15W, 7.5W
Impedance	8Ω
Frequency Response	300Hz - 18kHz
Frequency Range (-10 dB)	200Hz - 20kHz
Sensitivity (1W/1m)	97dB
Maximum Peak SPL	118dB (Calculated)
Coverage Angle	130 X 130
Speaker Component	6.5" Cone Woofer + 1" Dome Tweeter
Safety	EN IEC 62368-1
Dust & Water Protection	IP 55
Material & Finish	Horn: ABS
Mounting	3x Ø10mm holes with 60mm spacing
Connectors	Terminal Block
Dimensions (W x H x D)	370 x 270 x 305 mm
Weight	4.5KG

Music Horn Speaker

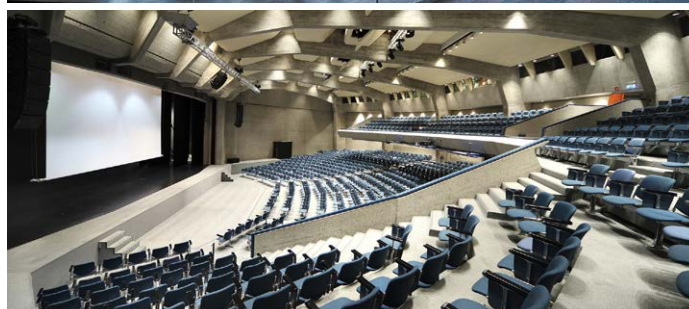
MH 200 | 200W Music Horn Speaker

When your project demands uncompromising sonic dominance over vast indoor or outdoor spaces, the MH 200 Music Horn Speaker stands as the undisputed flagship solution. This colossal 12-inch coaxial speaker is engineered not just to be heard, but to deliver a full-range, high-fidelity audio experience with the force and projection required for the most challenging environments. At its heart lies a massive 12-inch bass driver coaxially aligned with a 1-inch high-frequency tweeter, a combination that delivers authoritative,

deep bass and crystal-clear highs from a single point-source. Housed in a rugged, IP65-rated all-weather enclosure, the MH 200 is built to perform flawlessly in stadiums, large public parks, transportation hubs, and expansive shopping malls. It is the ultimate choice for applications where power, musicality, and extreme durability are paramount, delivering an impactful audio performance that commands attention and defines the space.



MH 200	
Rated Input (RMS)	200W
Peak Power Handling	400W (Calculated)
Power Taps (100V)	200W, 100W, 50W
Impedance	8Ω
Frequency Response	80Hz - 18kHz
Frequency Range (-10 dB)	60Hz - 20kHz
Sensitivity (1W/1m)	92dB / 105dB
Maximum Peak SPL	118dB / 131dB (Calculated)
Coverage Angle (at 1kHz)	180°
Speaker Component	12" Bass Driver + 1" Treble Driver
Safety	EN IEC 62368-1
Dust & Water Protection	IP65
Material & Finish	Shell: PP+ Barium, Grille: Aluminum
Mounting	Set Swinging (3x Ø10mm holes, 100mm distance)
Connectors	4-bit wiring terminals
Operational Temperature	-25°C to +55°C
Storage Temperature	-40°C to +70°C
Relative Humidity	≤95%
Dimensions (W x H x D)	410 x 443 x 410 mm
Weight	20 kg



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