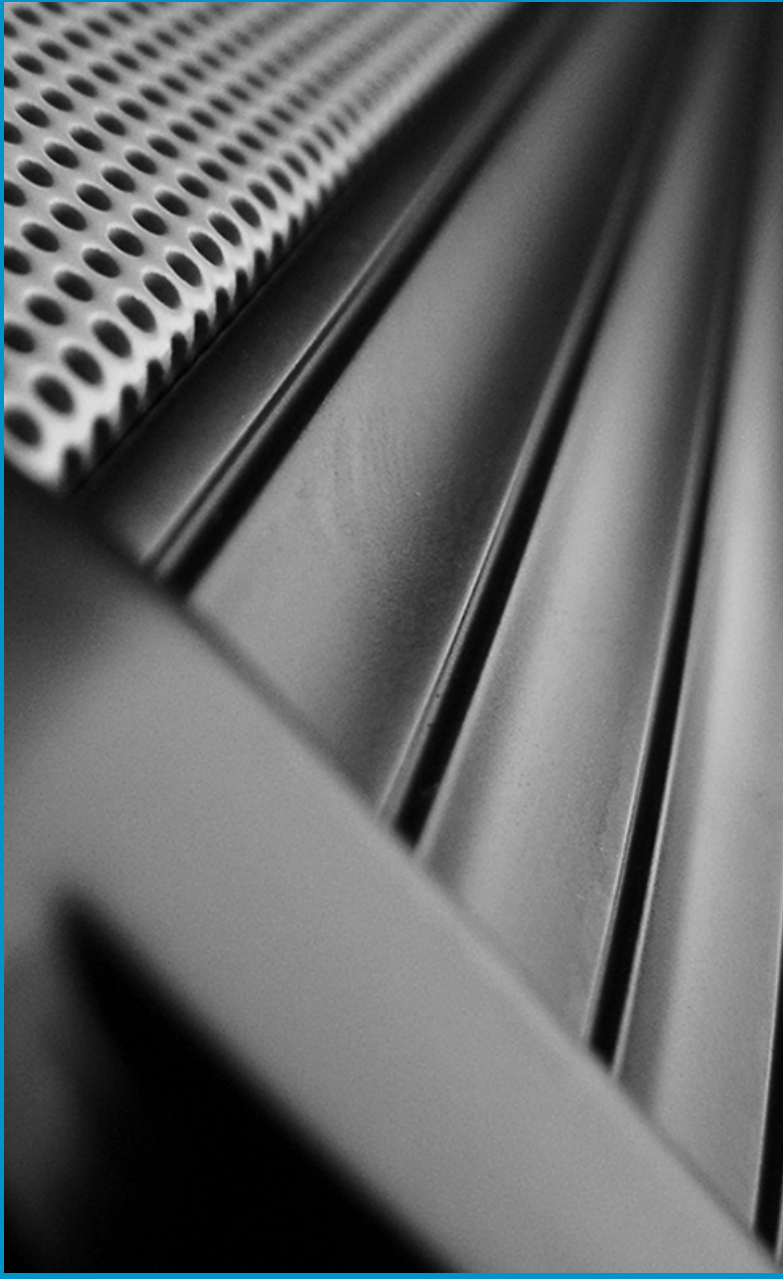
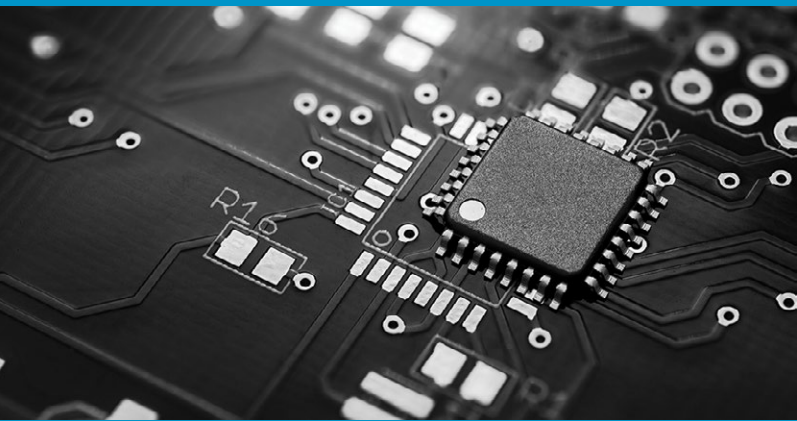


PAVA System



V. 2025

Product Overview

AEX Products proudly presents a diverse selection of cost-efficient offerings, encompassing amplifiers and PA systems across various categories and series. Our range is meticulously tailored to cater to the unique requirements of any project. Immerse yourself in the ultimate AEX Sound and Audio experience with our speakers, ensuring unparalleled quality for every endeavor.



FM 653546

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CEILING MOUNT

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MH 1a | Microphone

MH 2a | Microphone

ME 1 | Emergency and Handheld Microphone

The ME 1 is an emergency handheld type unidirectional dynamic microphone which is activated by a press to talk switch. The microphone unit provides a trigger to the receiving equipment with priority functions. The MH Series handheld microphone consist of MH 1a with a cardioid polar pattern for general use and MH 2a (Supercardioid) for better noise rejection and wide bandwidth for professional applications. Both models feature excellent handling noise with its advanced shock-mount system and robust die-casted zinc alloy body with a hardened ball mesh to protect its capsule. Performance is further improved with its noise-free slide switch for unobtrusive operation.



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Technical Specification

	MH 1a	MH 2a	ME 1
Type	Dynamic microphone	Dynamic microphone	Dynamic microphone
Polar Pattern	Super Cardioid	Unidirectional, Super Cardioid	Unidirectional
Frequency Response	45 Hz ~ 16 kHz	50 Hz ~ 16 kHz	300 Hz ~ 8 kHz
Output Impedance	250 Ω (at 1 kHz)	600 Ω unbalanced (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)	-72 dB +/- 3 dB (at 1 kHz)
Magnet Type	Neodymium	Neodymium	Ferrite
Capsule Type	Dyanamic moving coil	29 mm Dynamic Moving Coil	24 mm Dynamic Moving Coil
Cable	4.5 m Mircophone Cable (3-Pin XLR(F) to Audio Jack)	5 m Microphone Cable (3 pin XLR (F) to 1/4" mono Phone Jack)	Coiled cable, 3 cole & 1 screen x 1.4 m (at a max extended length)
Switch	Slide switch (lockable)	Slide switch (Pop-Free)	Push-to-talk switch
Material & Finish	Diecasted zinc alloy with steel mesh. metallic quartz grey/ silver	Diecasted zinc alloy with steel mesh. metallic quartz grey/ silver	ABS. matt black & grey
Dimensions	Dia. 53 x 188 mm	Dia. 53 x 180 mm	58 x 80 x 28 mm (W x H x D)
Weight	0.268.5 kg	0.29 kg	0.21 kg

DS 201-S | Digital Source Player

The DS 201-S Digital Source Player is a dual purpose player capable of providing pre-stored MP3 messages as well as serving as a Background Music (BGM) source for any Public Address (PA) System application. The DS 201-S utilizes an SD Card as its primary storage and also monitors the availability of the SD Card for faults. The unit allows 12 MP3 messages to be pre-stored and the messages can be selected to play via the front panel message selector button or via dry contact from the rear terminal connector.

The unit features a Background Music (BGM) mode which when triggered allows the user to play all the pre-stored music files in the SD Card. The unit is suitable for applications in factory environments where its easily accessible messages can triggered to signify end/start of shifts, in shopping malls and hotel environment where it can serve as a BGM source with thousands of music files to enhance the ambient environment. The DS 201-S can also be integrated with the fire alarm panel, providing automatic evacuation or warning messages in the event of an emergency.

Technical Specification

	DS 201-S
Output Channel	1nos. Stereo Output (RCA Connector) 1nos. 0dB Balanced Output (RJ 45)
Storage Medium	SD Card (Supports SDHC Card)
Control Input	14 Control Inputs (12-Message select, BGM Play, Stop)
Control Output	1nos. Message in progress Control Output Dry Contact (Max. current handling 24Vdc, 3A) 1nos. Bell Muting Control Opto-Coupler Control Output
Frequency Response	20 Hz ~ 20 kHz
Power Requirement	External source of 24 Vdc (Regulated), 0.3A (Fuse:1.0A)
Material and Finish	Mild Steel; Epoxy Powder Coated Textured Black
Dimensions	483 x 44 x 150 mm (W x H x D)
Weight	2.2 kg



DS 201-S



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To watch a Full Feature introduction.

INPUT SOURCES

MP 2 | Desktop Microphone

MC 3 | Desktop Microphone

The MP 2 & MC 3 desktop microphone have been designed adhering to a few essential design rules; simplicity, functionality and aesthetic. The MC 3 features an ascending 4-tone chime to mark the beginning of an announcement and a descending 4-tone chime to mark the end of an announcement. The Chime's volume can be adjusted via a potential meter at the base of the unit. Upon activation of the unit, a dry contact activation line is triggered for interfacing with external devices. The MC 3 has a balanced output of 0 dB suitable for long cable run. MC 3 operates off an external regulated power supply of 24 Vdc while the MP 2 does not require any power supply. The MP 2 paging microphone features a unidirectional gooseneck condenser microphone with a balanced output of -60 dB. The unit is suitable for paging applications that do not require a chime. Both the MC 3 and MP 2 microphones require phantom power to operate.



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Technical Specification

	MP2	MC3
Audio Signal Output	(-) 60 dBV, 500 Ω (Balanced)	0 dB, 600 Ω (Balanced)
Frequency Responses	100 Hz - 12 kHz	100 Hz - 12 kHz
Indicators	-	Chime in progress / Talk indicator
Connector	6.3 mm phone socket 1 no. 2 way panel feed through connector	6.3 mm phone socket 2 nos. 2 way panel feed through connector
Control	Talk button	Talk button
Chime	-	Pre-announcement 4-tone ascending Post-announcement 4-tone descending
Power Requirement	Phantom Power	24 Vdc (Regulated), 0.1 A
Material & Finish	ABS, Black	
Dimensions	105 x 50 x 170 mm (W x H x D) (Base Only) 105 x 370 x 170 mm (W x H x D) (with Microphone)	
Weight	0.35 kg	0.36 kg

VT 62 | Professional PC Microphone

The VT 62 professional PC microphone is a versatile and high-performance tool designed for various professional applications, including network karaoke, voice chatting, recording, remote meetings, online teaching, public broadcasting, and voice streaming. It features simple connectivity and portability, ensuring compatibility with most mainstream computer systems through standard 3.5mm or USB audio interfaces. With its sophisticated design, the VT 62 offers exceptional audio clarity and ease of use, making it an ideal choice for a wide range of environments.

Equipped with a high-sensitivity condenser capsule and a supercardioid pickup pattern, the VT 62 minimizes background noise while capturing clear and detailed audio. It includes practical features such as a red indicator light for operational status, a self-locking mechanical switch, and a 360° adjustable gooseneck for precise positioning. The durable construction with a plastic base and metal gooseneck ensures reliability, while flexible power options and a long USB XLR cable accommodate various setup needs. The VT 62 is perfect for shopping malls, conference rooms, remote meetings, online teaching, online exams, public broadcasting, and voice streaming.

Technical Specification

	VT 62
Type	Condenser Desktop Microphone
Pickup Capsule	Condenser Capsule
Directivity	Supercardioid
Frequency Response	80Hz - 13KHz
Sensitivity	-45dB
Output Impedance	600Ω
Power Supply Options	USB 5V
Audio Output	USB Audio Output
Indicator Light	Red Indicator Light for Power Status
Switch Mode	Self-locking Mechanical Switch
Gooseneck Length	41cm
Gooseneck Adjustment	360° Free Adjustment
Microphone Material	Plastic Base, Metal Gooseneck
Microphone Cable Length	3m USB XLR Cable / 5m USB XLR Cable



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INPUT SOURCES

[MX 02-H | Wireless Microphone System](#)

[MX 04-H | Wireless Microphone System](#)

[MX 08-H | Wireless Microphone System](#)

[MX 02-L | Wireless Microphone System](#)

[MX 04-L | Wireless Microphone System](#)

[MX 08-L | Wireless Microphone System](#)

[MX 02-B | Wireless Microphone System](#)

[MX 04-B | Wireless Microphone System](#)

[MX 08-B | Wireless Microphone System](#)

[MX 02-D | Wireless Microphone System](#)

[MX 04-D | Wireless Microphone System](#)

[MX 08-D | Wireless Microphone System](#)

The MX Series from AEX System offers a versatile range of wireless microphone solutions, perfect for professional audio applications. This series includes three types of microphones: handheld, body pack, and desktop, each available in models with 2, 4, or 8 microphones. It's designed to meet the needs of conferences, live performances, and broadcasting.

Using UHF frequency bands and advanced DPLL technology, the MX Series ensures automatic noise control and offers up to 200 selectable channels. Transmitters synchronize seamlessly with receivers through infrared auto-channel tracking and system lock functions. Each unit features a high-resolution LCD screen displaying battery status, frequency signal, signal strength, and audio levels.

The receivers have both 6.3mm unbalanced and XLR balanced outputs for easy integration with audio equipment. The handheld microphones feature a durable full-alloy body and ergonomic grip. The system boasts a working distance of up to 80 meters, ensuring operational flexibility and high-quality audio for various professional applications.



SCAN HERE TO KNOW MORE



MX 02



MX 04



MX 08



WH 1



WL 1



WB 1



WD 1

INPUT SOURCES



2 Units

MX 02-H



4 Units

MX 04-H



8 Units

MX 08-H



2 Units

MX 02-B



4 Units

MX 04-B



8 Units

MX 08-B



2 Units

MX 02-L



4 Units

MX 04-L



8 Units

MX 08-L



2 Units

MX 02-D



4 Units

MX 04-D



8 Units

MX 08-D



SCAN HERE TO KNOW MORE

INPUT SOURCES

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

	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)

	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, D, H)	160 x 110 x 60mm (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

	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	<=2.2K Ω	<=2.2K Ω
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 (mm)	84 (H) x 66 (W) x 23 (D)	
Weight (without battery)	Approx. 155g	

INPUT SOURCES

DM 201 | Digital Media Player

DM 202 | Digital Media Player

The DM 200 Series Digital Media Player is a multi-format audio source and media player. The unit is designed to fulfill any Public Address (PA) system and Background Music (BGM) requirements for multiple audio sources. The main advantage of the DM 200 Series Digital Media Player is it incorporates multiple player modules into a single casing. This allows it to be cost effective for project implementation and at the same time reduces its environmental impact by utilizing less raw material. Having multiple audio source units build into a single casing will obviously use less raw material compared to the traditional way of having multiple equipment accomplish this.

The DM 200 Series is capable of playing MP3 files from an SD Card or USB storage. The unit also comes with a built-in Bluetooth audio receiver module allowing users to stream wireless music into the system via any mobile device. With an in-built FM receiver module, the DM 200 Series can provide the FM tuner function to the project. The DM 200 Series consists of 2 models, the DM 201 Digital Media Player and the DM 202 2-Channel Digital Media Player. For the DM 202 2-Channel Digital Media Player, both channels are independent of each other providing 2 different simultaneous audio streams.



SCAN HERE TO KNOW MORE



DM 201



DM 202

Technical Specification

	DM 201	DM 202
Power Requirement	24V, 0.08A	24V, 0.16A
Power Consumption	Ultra Low Power Consumption 1.92W	Ultra Low Power Consumption 3.84W
FM Tuner	87.5 - 108 MHz, 75Ω	87.5 - 108 MHz, 75Ω
Supported File Format	flac, m4a, ogg, opus, wav, wma, mp3 (8000hz), mp3 (22050hz), mp3 (48000hz), ape	flac, m4a, ogg, opus, wav, wma, mp3 (8000hz), mp3 (22050hz), mp3 (48000hz), ape
Audio Sources	USB Mass Storage drive SD Card FM Tuner 3.5 mm Line In AEX Bluetooth Function with: - Timer Scheduled messages - Wireless App Paging - Remote Message triggering - Timer Scheduled Music	USB Mass Storage drive SD Card FM Tuner 3.5 mm Line In AEX Bluetooth Function with: - Timer Scheduled messages - Wireless App Paging - Remote Message triggering - Timer Scheduled Music
Controls	1 set (Digital Media Module control button) 1nos. Output Gain control	2 set (Digital Media Module control button) 2nos. Output Gain control
Audio Output	RCA Stereo Output (0dBV) 3.5mm Stereo Headphone monitoring jack	2nos. RCA Stereo Output (0dBV) 3.5mm Stereo Headphone monitoring jack
Frequency Response	20Hz – 20kHz	20Hz – 20kHz
Total Harmonic Distortion	< 0.01%	< 0.01%
Signal to Noise Ratio	>105dB	>105dB
Channel Separation	>75dB	>75dB
Material & Finish	Mid Steel Casing, Epoxy Coated Textured Black	Mid Steel Casing, Epoxy Coated Textured Black
Dimensions	215 x 44 x 150 mm (W x H x D)	483 x 44 x 150 mm (W x H x D)
Weight	1.3 kg	2.1 kg

ANS 601 | AEX Cloud Connection Unit - AZAN

In Muslim society, the AZAN call holds immense significance as it signals the devoted when it's time for prayer. Occurring five times a day, the precision of this call is paramount.

Traditionally, the AZAN call is played in most premises through a manual process:

1. A designated staff member acts as the timekeeper.
2. This staff member monitors the time and, when the prayer time arrives:
 - Leaves their desk
 - Walks to the control room
 - Operates the PA System panels
 - Initiates a message player to play the AZAN call
 - Stops the message and resets the PA system panel zones afterward
 - Returns to their desk

However, this approach presents several challenges:

1. Reliance on the availability of the designated staff, which may vary.
2. The staff member may get preoccupied with work or meetings, potentially missing the right timing.
3. The manual process diverts staff members from their core office tasks, impacting efficiency.
4. Accuracy is contingent on the staff member's watch or phone app, leaving room for timing discrepancies.

Enter AEX SYSTEM'S Nebulax Series Azan Box, designed to address these issues:

1. Nebulax operates on a cloud server, offering a fully automated solution, eliminating the need for human intervention.
2. Timing accuracy is guaranteed as the system synchronizes with the world atomic clock, ensuring precise prayer times.
3. Prayer timings are 100% accurate, tailored to the geographical location.
4. The Nebulax Series Azan Box represents a cloud-based Azan call solution. Unlike wall clocks that can drift over time, Nebulax's cloud-based solution ensures 100% accuracy. With real-time updates and precision in your time zone, regardless of your location, this system sets the standard for reliability.

Applications for the Nebulax Series Azan Box system span a wide range of settings, including government offices, public buildings (such as the JPJ and libraries), government hospitals, urban transformation centers (UTC), and markets. This innovative solution simplifies the management of prayer times, offering accuracy, efficiency, and convenience for all users.



ANS 601



SCAN HERE TO KNOW MORE

Technical Specification	
ANS 601	
Audio Output	1 no. 0 dB Mono Balanced (panel feedthrough)
Frequency Response	20 Hz – 20 kHz
Messages	3 pre-recorded messages (Subuh, Asar, pre-call reminder)
Audio Decoding Formats	MP3
Controls	1 no. Control Out
Networking	10/100 Mbit Ethernet
Application Interface	VectusNet Platform
Power Requirement	24 Vdc, 1 A Power Adaptor
Material & Finish	ABS Black
Dimensions	169 x 51.6 x 124 mm (W x H x D)

AZANBOX | Azan Service Management

Seamlessly connect and control your ANS 601 Azan Box from your mobile device. The Azanbox App brings convenience and precision to your prayer time management, ensuring that you never miss the time.

Easy to Manage: With a user-friendly interface and intuitive controls, the Azanbox App makes managing your prayer times a breeze. Customize your Azan settings and prayer time notifications with ease, all from the palm of your hand.

Seamless Connection: Experience a smooth and uninterrupted connection to your ANS 601 Azan Box. The app guarantees precise prayer time notifications.

Stay Up to Date: Our Azanbox App ensures you stay informed and up-to-date with the latest prayer times. It synchronizes with the world atomic clock, providing you with the most accurate and reliable prayer time information, no matter where you are.

Worry-Free, One-Time Setup: Set up your prayer time preferences once, and the Azanbox App takes care of the rest. You can enjoy a worry-free experience, as the app manages your prayer times effortlessly. Simply set it and forget it.



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To watch a Full Feature introduction.

SGC 04 | 4-Channel Smart Gain Control

SGC AS 01 | Ambient Sensor

The SGC 04 4-Channel Smart Gain Control provides an effortless and automated solution to adjusting the PA announcements volume to be audible no matter what the ambient noise level is. The unit was developed to be deployed in Transportation hubs (airports, train stations, bus terminals and etc), factories, shopping malls and restaurants that tend to have unpredictable and varying ambient noise due to the sudden presence of large crowds of people.

SGC 04 features 4 independent channels of Smart Gain Control completely user programmable. Each channel shall have a dedicated input for its own SGC AS 01 Ambient Noise sensing microphone. The unit analyses the ambient noise from the environment and adjust the gain of the announcements louder as required. This ensures that the announcements are louder than the ambient noise and improves speech intelligibility.

The SGC 04 unit is designed to be placed in between the Preamplifiers and the power amplifier. The SGC 04 unit is supplied with a Software engineering tool User Interface (UI). The tool allows users to configure the unit such as setting the 'Ambient Threshold Value' for each individual channel, attack time, hold time and display the real-time ambient noise readings.



SGC 04



SGC AS 01

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Technical Specification

SGC 04	
Power Requirement	24 Vdc, 0.25A
Frequency Response	20 – 20,000 Hz (±3 dB)
Sampling Frequency	48 kHz
Dynamic Range	Over 90 dB
Distortion	Under 0.01%, 1 kHz, 0 dBV input/output (20 – 20,000 Hz BPF)
Input	Sensor input (Ambient noise sensor microphone input): 22V Phantom electronically-balanced, XLR female. Input Channel 1-4: 0 dBV Electronically-balanced, RJ45 Connector
Output	Output Channel 1-4: 0 dBV, 150 Ω, Electronically-balanced, RJ45 Connector
A/D Converter	24 bit
D/A Converter	24 bit
Signal Processing	Ambient noise control function: Sensor input reference level fine adjustment function, Signal processing bypass via emergency override dry contact, Sample time setting (GUI configurable 6 s, to 120 min), Fixed gain setting (0dB to +24 dB), Fixed ambient noise measuring frequency window (250 – 4500 Hz, 8th Order bandpass, speech)
Configuration	Engineering Tool User Interface (UI)
Override and Bypass	4-channel emergency override dry contact input with LED indication Input/Output bypass function during power failure
Operating Temperature	0°C to 40°C
Material & Finish	Mild Steel Casing, Epoxy Coated Textured Black
Dimensions	483 x 44 x 200 mm (W x H x D)
Weight	2.9 kg

Technical Specification

SGC AS 01	
Audio Signal Output	0 dBV, 100 W
Frequency Response	100 Hz – 16 kHz
Directivity	Omnidirectional
Connector	3 Pin terminal block (Balanced Audio)
Material & Finish	ABS, White
Power Requirement	9 – 25 Vdc, 15 mA Phantom power Supplied via SGC 04
Dimensions	86 x 86 x 49 mm (W x H x D)

A 2030 | 30W Digital Mixer Amplifier with Audio Source

A 2060 | 60W Digital Mixer Amplifier with Audio Source

A 2150 | 150W Digital Mixer Amplifier with Audio Source

Introducing the A 2000 Series Digital Mixer Amplifier, a powerful and cost-effective audio solution that redefines your sound experience. This exceptional mixer power amplifier is not only versatile but also packed with features that cater to your diverse needs. Equipped with an MP3 player, Bluetooth audio functionality, and a digital FM tuner, it becomes an all-in-one solution for various audio applications.

Whether you're looking to broadcast, page, or provide captivating background music, the A 2000 Series is your perfect companion. Its high-performance design ensures crystal-clear sound in a variety of settings, including schools, offices, retail shops, and places of worship. The amplifier's ability to deliver superior audio quality makes it a standout choice for creating an immersive auditory experience in these environments.

But that's not all – this remarkable unit takes convenience to the next level. Offering wireless paging through a user-friendly App, it simplifies communication and announcements. Moreover, it allows for time-scheduled announcements and on-demand message control, all accessible remotely. This advanced functionality adds an extra layer of versatility to the A 2000 Series, making it an indispensable tool for audio professionals and businesses looking to take their sound solutions to the next level. Whether it's for enhancing communication, creating ambiance, or delivering announcements, this digital mixer amplifier is the perfect choice for an enhanced audio experience.



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A 2030



A 2060



A 2150

Technical Specification

	A 2030	A 2060	A 2150
Output Power	30W (100Vline/8Ω)	60W (100Vline/8Ω)	150W (100Vline/8Ω)
Inputs	2nos. Mic (-60dB) 1nos Aux Stereo Input 1nos. Bluetooth Audio Receiver 1nos. Digital Mp3 Player (USB, SD Card Support) 1nos. FM Tuner	2nos. Mic (-60dB) 1nos Aux Stereo Input 1nos. Bluetooth Audio Receiver 1nos. Digital Mp3 Player (USB, SD Card Support) 1nos. FM Tuner	2nos. Mic (-60dB) 1nos Aux Stereo Input 1nos. Bluetooth Audio Receiver 1nos. Digital Mp3 Player (USB, SD Card Support) 1nos. FM Tuner
Frequency Response	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz
Total Harmonic Distortion (THD)	< 0.1% (1kHz)	< 0.1% (1kHz)	< 0.1% (1kHz)
Signal-to-Noise (SNR)	> 80dB	> 80dB	> 80dB
Power Requirement	100 ~ 240 Vac mains 50/60Hz	100 ~ 240 Vac mains 50/60Hz	100 ~ 240 Vac mains 50/60Hz
Dimensions (W x H x D)	325 x 85 x 220mm	325 x 85 x 220mm	325 x 85 x 220mm

AEX App | Advertisement and Audio Solution

Background Music: Create and curate playlists to suit your business premise, or seamlessly integrate your preferred music streaming provider.

Advertisement: Connect with your customers in their preferred language. Use our app to select the right promotional message or advert in their language of choice.

Announcement: Experience the world's first App Paging feature. Wirelessly make announcements directly to the loudspeakers and communicate with your customers or staff using the AEX App.

Time Schedule: Automate your business operations with the AEX App. Start music automatically, selecting the right playlist at the perfect time of day, and schedule automated reminders for your workers and promotional messages for your customers.



Available on



COST EFFECTIVE MUSIC SOLUTION

CA 2030 | 30W Low Impedance Mixer Amplifier

CA 2060 | 60W Low Impedance Mixer Amplifier

The CA Series stands out as an ultra-compact mixer amplifier, meticulously engineered to meet the specific demands of classrooms and training room settings. Its cleverly designed model offers the flexibility of both desktop and wall mount installation, adapting seamlessly to your space.

This unit boasts an array of features, including support for two microphones, an AUX input, and a built-in MP3 player with USB and SD card support. It's a one-stop solution for all your audio needs, whether it's amplifying presentations, incorporating external audio sources, or playing media directly from the unit.

Under the hood, the CA Series leverages a high-efficiency 30W and 60W digital amplifier, ensuring pristine and crystal-clear audio reproduction. Whether you're delivering a lecture, conducting a training session, or enhancing multimedia content, the CA Series delivers exceptional sound quality.

But there's more to this remarkable amplifier. It's equipped with Bluetooth audio capabilities, allowing seamless wireless connectivity to your devices. When coupled with the AEX teaching aid App, it transforms into an engaging educational tool, revolutionizing classroom teaching. Students can enjoy interactive learning experiences with ease, making lessons more dynamic and immersive.

The CA Series doesn't just amplify sound; it amplifies your teaching and training potential, bringing innovation and connectivity to your educational spaces. It's a powerful and adaptable tool designed to enhance the learning and training experience in every way.



AEX APP
COMPATIBLE



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CA 2030



CA 2060

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To watch a Feature introduction.

Technical Specification

	CA 2030	CA 2060
Output Power	15W x 2channel (4-8 Ohms)	30W x 2channel (4-8 Ohms)
Inputs	2nos. Mic (-60dB) 1nos. Aux Stereo Input 1nos. Bluetooth Audio Receiver 1nos. Digital Mp3 Player (USB, microSD Card Support)	2nos. Mic (-60dB) 1nos. Aux Stereo Input 1nos. Bluetooth Audio Receiver 1nos. Digital Mp3 Player (USB, SD Card Support)
Frequency Response	20Hz - 20kHz	20Hz - 20kHz
Total Harmonic Distortion (THD)	< 0.1% (1kHz)	< 0.1% (1kHz)
Signal-to-Noise (SNR)	> 80dB	> 80dB
Power Requirement	100 ~ 240 Vac mains 50/60Hz or 12-16Vdc	100 ~ 240 Vac mains 50/60Hz or 12-16Vdc
Dimensions (W x H x D)	150 x 52 x 190mm	210 x 67 x 200mm

- [MA 2006 | Mixer Amplifier](#) [MA 2025 | Mixer Amplifier](#) [MA 2425 | Mixer Amplifier](#)
[MA 2015 | Mixer Amplifier](#) [MA 2415 | Mixer Amplifier](#)



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The MA 2000 Series is the range of Mixer Amplifiers that is able to handle 4 microphone inputs and auxiliary inputs, making the MA 2000 Series suitable for small and medium scale public address applications, such as mosque, office, restaurants or pubs, fitness clubs, auditoriums, warehouses, factories and retail stores. The MA 2000 series comes with individual input gain controls with a master volume control. Bass and Treble controls are provided for the user's equalisation preference. The MA 2000 series is integrated with voice muting function for Mic 1, thus giving it the highest priority to override other sources during emergency situation. Able to operate off mains or an external battery, the MA 2000 Series is a viable solution for any mobile application from a family day sports event to a large-scale garden party.



Technical Specification

	MA 2006	MA 2015	MA 2025	MA 2415	MA 2425
Rated Output	60w at 100v	150w at 100v	250W at 100v	150 w at 100 v	250 w at 100v
Frequency Response	40 Hz - 20 khz	41 Hz - 20 khz	42 Hz - 20 khz	43 Hz - 20 khz	44 Hz - 20 khz
Input Sensitivity	6.3 mm phone socket, - 60 dB/0 dB 600 n balanced (with voice activated muting function and phantom power dip switch)				
Mic 1	6.3 mm phone socket, - 60 dB/0 dB 600 n balanced (with phantom power dip switch)				
Mic 2 - 4					
Aux	RCA connector, -20 dB 1 Ok n Stereo input				
1 & 2 : (MA 2006, MA 2015, MA2025)					
1 - 3 : (MA2415, MA2425)					
Rec Out	RCA connector, 0 dB 600 0 unbalanced Stereo output				
Zone Selection	No zone selection	No zone selection	No zone selection	4 zone selection	4 zone selection
Protection Circuit	Over current and short circuit protection				
AC power consumption	85 W	210 W	355 W	210 W	355 W
DC power supply	24 V, 2.3A	24 V, 5,7A	24 V, 9,4A	24 V, 5, 7A	24 V, 9,4A
Material & Finish	Front panel: ABS, Graphite Black; Casing: Mild Steel, Epoxy Coated Textured Black				
Dimensions	430 x 90 x 250 mm (W x H x D)				
Weight	6.6 kg	8.2 kg	11.2 kg	8.3 kg	11.3 kg

RM 04 | Remote Microphone

The RM 04 Remote Microphone is designed to work with the MA 2400 Series range of Mixer Amplifier. The Remote Microphone is elegantly designed and features a condenser goose-neck microphone with a wide frequency response. The microphone provides integrated control in a single unit allowing the user to remotely control the 4 available zones on the MA 2400 Series Mixer Amplifier. The unit requires only the use of a single shielded CAT5 cable to ease installation and cabling cost.



RM 04



SCAN HERE TO KNOW MORE

Technical Specification

	RM 04
Output sensitivity	0 dB
Frequency Responses	100 Hz - 12 kHz
Indicators	Zone selection LED indicator Chime in progress / Talk indicator
Control	Zone selection button, (push to select and push to release), Talk button
Chime	Pre-announcement 4tone ascending Post-announcement 4tone descending
Material & Finish	ABS, Black
Dimensions	105 x 50 x 170 mm (W x H x D)
Weight	0.35 kg

M+ 201P | Integrated PA System **M+ 306 | Integrated PA System**
M+ 303 | Integrated PA System **M+ 312 | Integrated PA System**

The Mplus Series was developed with a clear objective; a Public Address System that was reliable and easy to use. A single box solution suitable for virtually any small-to-large scale Public Address system application.

Below we have a few key points why everything build into a single unit saves time and money.

1. **Complexity:** Having multiple products requires multiple connections, which result in a complex setup and multiple points of failure due to human errors.
2. **Increased Cost:** Buying multiple products is more expensive than purchasing a single all-in-one solution.
3. **Compatibility Issues:** The products chosen for the system may not work seamlessly together, leading to compatibility issues that result in a system that does not work.

In the Mplus everything is integrated into a single unit, eliminating all the above problems, resulting in a more streamlined, efficient, and user-friendly solution.

The Mplus is also extremely light and compact. Technology has allowed AEX System to keep the Mplus extremely compact through advancements in miniaturization, integration of multiple components, and development of software with greater functionality replacing a lot of bulky hardware. This has lead to a smaller product with more capabilities.

The Mplus is based on AEX System's inhouse Class D Power amplifier which are efficient and have a lower operating cost and carbon footprint. There are number of advantage from AEX System Class D amplifier.

High Efficiency: Class D amplifiers operate by rapidly switching the power supply voltage on and off, which reduces the amount of energy lost as heat. AEX System's Class D power amplifier has an efficiency above 92%. All this translates to a lower operating costs and a reduced carbon footprint.

Low Standby Power Consumption: The Class D amplifier technology employed in the Mplus has an extremely low standby power consumption. This helps reduce energy waste and saves money on electricity bills. It also helps to extend the lifespan of the amplifier as the components are not 'stressed' in standby mode.

Smaller Size: The high efficiency of Class D amplifiers allows for a smaller size, which can reduce the materials and resources used in manufacturing, reducing the overall equipment cost and space requirement.




M+ 201P



M+ 303
M+ 306
M+ 312






AEX App
Compatible

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MPLUS SERIES

Technical Specification

	M+ 201P	M+ 303	M+ 306	M+ 312
Power Requirement	24 Vdc, 0.6 A	AC Mains 110/240 Vac UPS Backup : 550 VA	AC Mains 110/240 Vac UPS Backup : 900 VA	AC Mains 110/240 Vac UPS Backup : 1750 VA
Operating Temperature	5 °C to +45 °C	5 °C to +45 °C	5 °C to +45 °C	5 °C to +45 °C
Material & Finish	Mild Steel Casing, Epoxy Coated Textured Black	Mild Steel Casing, Epoxy Coated Textured Black	Mild Steel Casing, Epoxy Coated Textured Black	Mild Steel Casing, Epoxy Coated Textured Black
Dimension	483 x 86 x 250 mm (W x H x D)	483 x 86 x 400 mm (W x H x D)	483 x 86 x 400 mm (W x H x D)	483 x 86 x 400 mm (W x H x D)
Weight	7.2 kg	8.1 kg	8.1 kg	8.1 kg
M+ 200-DM Digital Media Player				
Supported Format	flac, m4a, ogg, opus, wav, wma, mp3 (8000hz), mp3 (22050hz), mp3 (48000hz), ape			
Audio Sources	USB Mass Storage drive SD Card FM Tuner 3.5 mm Line In AEX Bluetooth Function with: - Timer Scheduled messages - Wireless App Paging - Remote Message triggering - Timer Scheduled Music			
AUX Audio Inputs (c/w Selector switch)	AUX 1: 0 dBV Stereo AUX 2: 0 dBV Stereo AUX 3: 0 dBV Stereo			
M+ 202-FA Fire Alarm Interface Module				
Fire Alarm Interface Inputs	2 nos Dry Contact: Warning Message (MP3 format), Evacuation Message (MP3 format)			
M+ 100-PT Time Schedule Message Player				
Configuration method	GUI based Engineering Tool via USB Type-B port			
Time Schedule Slots	100 time schedule slots. Repeatable and one-time events.			
Time Schedule Data Storage	High speed non-volatile EEPROM			
Schedule Message Player	Internal MP3 Player			
MP3 Message storage	Onboard 16 GB microSD card			
Audio Output	0 dBV Balanced Audio			
M+ 208-RM Remote Microphone Receiver Module				
Remote Mic Comm Port	RS 485 Serial Communication			
Remote Mic Audio Input	0 dB Balanced Audio			
External Zone Control	RS 485 Serial Communication			
M+ 01-EP Emergency Paging Microphone Panel				
Microphone	Dynamic Microphone (Unidirectional)			
Frequency Response	280 Hz – 9 kHz			
Output Impedance	600 Ω unbalanced			
Output Level	-72 dB +/- 3 dB (at 1 kHz)			
Mic Activation	Press to talk			
Siren	Continuous On trigger			
Messages	Preloaded : Warning Message (MP3), Evacuation Message (MP3)			
M+ LS12 Zone Expander				
Load handling per Channel	500 W 100 V			
Output Zone	12 Zones			
Zone Selection	Front Mechanical Push Button			
	M+ 201P	M+ 303	M+ 306	M+ 312
Power Amplification	-	M+ 1030-PD 360W Digital Power Amplifier	M+ 1060-PD 600W Digital Power Amplifier	M+ 1120-PD 1200W Digital Power Amplifier
Rated Load Impedance	-	360 W (100V line) Class-D power amplifier	600 W (100V line) Class-D power amplifier	1200 W (100V line) Class-D power amplifier
Frequency Response (@ -3dB)	20Hz-20kHz	27.7 Ω	16.6 Ω	8.3 Ω
Signal to Noise Ratio	>80dB (with PS-06)	75Hz-20 kHz	75Hz-20 kHz	75Hz-20 kHz
THD + Noise	>105 dB	>105 dB	>105 dB	>105 dB
Power Efficiency	< 0.05% @ 0 dBV AUX	< 1% (rated power output)	< 1% (rated power output)	< 1% (rated power output)
Standby Power Consumption	-	>70 %	>70 %	>70 %
Changeover Mechanism	2.8W	33 W	33 W	33 W
M+ AC01 Automatic Amplifier Monitoring and Changeover				
Max Power Handling Per Channel	-	360 W	600 W	1200 W
Number of Amplifier channels	-	2 Channels (1 Duty, 1 Standby)	2 Channels (1 Duty, 1 Standby)	2 Channels (1 Duty, 1 Standby)
Changeover Mechanism	-	Fast switching dry contact relay 10A	Fast switching dry contact relay 10A	Fast switching dry contact relay 10A

MPLUS SERIES

MEI 96M+ | Fire Alarm Interface Unit

The MEI 96M+ Fire Alarm Interface works with the Mplus range of products. It integrates with fire alarm panels to conduct automated evacuation. It has onboard message and can conduct sandwich or all-call evacuations. With 96 dry contact inputs, it's software-configurable for up to 96-floor control.



MEI 96M+

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Technical Specification

	MEI 96M+
Connector	RJ45 for communication Panel feedthrough connector
No. of Dry Contact Input	96 nos.
Power Requirement	24 Vdc, 0.4 A (Fuse: 1.0 A)
Material & Finish	Mild Steel; Epoxy Coated; Black
Dimensions (W x H x D)	483 x 44 x 150 mm
Weight	2.0 kg

LS 12M+ | Zone Expander

The LS 12M+ Expander adds output zones to the Mplus PA system as per clients' needs. These can be controlled from the Mplus Main unit, with each Zone Expander providing 12 zone output. Up to 7 units can be used for 96 zones (including the Main Mplus unit).



LS 12M+

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Technical Specification

	LS 12M+
Connector	100V line : 5.08mm Plug-in screw type terminal block
Indicators	Green LED indicator for each zone, All Call, and Power
Max. Current Handling	5A (500W) per zone
Power Requirement	24 Vdc Regulated, 0.32 A (Fuse : 1.0 A)
Material & Finish	Mild Steel; Epoxy Coated; Black
Dimensions (W x H x D)	483 x 44 x 150 mm
Weight	2.0 kg

MRM 06-S | Remote Microphone

The MRM 06-S Remote Mic has 6 zone buttons, ALL CALL, ALL CLEAR, and a TALK button. It has LED indicators for chime in progress, ready-to-talk, and BUSY when a higher priority mic is in use. It connects to the Mplus Controller via RS 485 R-Comm up to 1 km distance. A maximum of 8 mics can be connected. It has a supervisory circuit for fault detection.



MRM 06-S



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Technical Specification

	MRM 06-S
Remote Microphone Input Sensitivity	0 dBV
Frequency Response	90 Hz ~ 17 kHz
Switches	6 Individual Zone Switches
Maximum Cable Length	1000 meters (Shielded Cable)
Power Requirement	24 Vdc (Regulated), 0.1 A, 0.8 A (with MRE 12-S)
Power Consumption	2.5 W
Connectors	RJ 45
Material & Finish	ABS, Graphite Black
Dimensions	105 x 51.2 x 249.4 mm (W x H x D)
Weight	0.6 kg

MRE 12-S | Remote Microphone Extension

The MRE 12-S Remote Mic Extension adds 12 zone control buttons to the MRM 06-S unit. It allows the MRM 06-S unit to be extended up to 96 zones. It connects to the MRM 06-S unit for power and communication.



MRE 12-S



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KNOW MORE

Technical Specification

	MRE 12-S
Power Consumption	2.5 W
Connector & Cable	Clip Type Ribbon Cable
Switches	12 Individual Zone Selection Button
Material & Finish	ABS, Graphite Black
Dimensions	105 x 51.2 x 249.4 mm (W x H x D)
Weight	0.6 kg

VEB 12-IPC-CF | Network System Manager Unit

The Network System Manager unit is designed to provide overall system governance of the VEB Network PA System. The unit offers a user interface for system initialization steps such as VEB unit nodes search, VEB units address configuration, zone configuration, and audio pattern routings. Compliance with EN 54-16 ensures the Network System Manager meets the stringent safety and performance standards required for voice alarm control and indicating equipment, making it a reliable choice for critical applications. The Network System Manager can also function as a time scheduler with pre-recorded messages and serve as a background music source with up to 6 channels of streaming. All pre-recorded messages and music files are stored onboard an SSD in the VEB 12-IPC Unit.

The VEB Series Network System Manager provides overall system status via its User Interface and event logging, with all logs and reports retrievable at any time. The Network System Manager also allows for user access setup and password management for the Network PA system.



VEB 12-IPC-CF



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Technical Specification	
	VEB 12-IPC-CF
Central Processing Unit	Intel® Core™ i3-12100 Processors, 12M Cache, 4.30GHz
Memory	4GB DDR4-2666
Drive	250GB SATA SSD
Network Interface	10/100Mbit Ethernet
Network Protocol	VectusNET
Operating System	Windows 11
System Audio Buses	32 Audio Buses
Maximum Network Microphones connected to network	Up to 60 network microphones
System Audio Output channels	Up to 128 Audio Output Channels
Speaker Zones	Unlimited
System Control Inputs	Up to 600 Control Inputs
System Control Outputs	Up to 600 Control Outputs
System Features	PC Paging Text Streaming Time Scheduling Graphic Zone Selection Volume control Status system User / Password for logging Events logs Sound recording Reporting
Connectors	1 x PS/2 keyboard/mouse combo port 1 x DisplayPort 1.4 1 x HDMI 1 x LAN (RJ45) port 2 x USB 3.2 Gen 1 (blue) Type-A up to 5Gbps 2 x USB 2.0 3 x Audio jack(s) - Line In / Front Speaker / Microphone
Indicator	Power LED
Power Supply	220 – 240Vac mains 50/60Hz
Backup Power	UPS
Maximum Input Power	250W
Power Consumption	22W (idle), 45W (burst)
Operating Temperature	20 – 45 °C
Material & Finish	Mild Steel Casing, Textured Black
Dimensions	483 x 86 x 200 mm (W x H x D)
Weight	4.6 kg

VEB 13-IPC-CF | Network Audio Streaming Manager Unit

The VEB 13-IPC-CF Network Audio Streaming Manager Unit allows the user to stream 8 simultaneous channels of audio into the network over a single Ethernet connection. These audio channels can be retrieved by the VEB Network Audio Extracts. Each channel will have its own playlist created by the user. These playlists are configurable by from the GUI. This is an ideal solution for applications that require multiple audio channels like hotel, shopping complexes, supermarkets, theme parks, etc.



VEB 13-IPC-CF



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Technical Specification	
	VEB 13-IPC-CF
Central Processing Unit	Intel® Core™ i3-6100 Processors, 6M Cache, 3.70GHz
Memory	4GB DDR3-1600
Drive	240GB SATA SSD
Network Interface	10/100Mbit Ethernet
Network Protocol	VectusNET
Operating System	Windows 10 Enterprise LTSC 2019
System Audio Buses	32 Audio Buses
System Features	Volume control System Status User / Password for login Events logs
Connectors	1 x PS/2 keyboard 1 x PS/2 mouse 1 x DVI 1 x HDMI 1 x VGA 1 x LAN (RJ45) 100/1000M port 2 x USB 3.2 Gen 1 (blue) Type-A up to 5Gbps 2 x USB 2.0 3 x Audio jack(s) - Line In / Front Speaker / Microphone
Indicator	Power LED
Power Supply	220 – 240Vac mains 50/60Hz
Backup Power	UPS
Maximum Input Power	250W
Power Consumption	22W (idle), 45W (burst)
Operating Temperature	20 – 45 °C
Material & Finish	Mild Steel Casing, Textured Black
Dimensions	483 x 86 x 200 mm (W x H x D)
Weight	4.6 kg

VEB-CF SERIES

VEB 14-IPC-CF | Dual Redundancy Network System Manager Unit

The Dual Redundancy Network System Manager unit is designed to provide overall system governance of the VEB Network PA System. The unit offers a user interface for system initialization steps such as VEB unit nodes search, VEB units address configuration, zone configuration, and audio pattern routing. Compliance with EN 54-16 ensures that the system meets the stringent safety and performance standards required for voice alarm control and indicating equipment, making it suitable for critical applications.

The VEB Series Network System Manager provides overall system status via its User Interface and event logging. All event logs and reports can be retrieved at any time. The Network System Manager also allows the setup of user access and passwords to the Network PA system.

Additionally, the Network System Manager functions as a time scheduler with pre-recorded messages and serves as a background music source with up to 6 channels of streaming. All pre-recorded messages and music files are stored onboard an SSD in the VEB 14-IPC Unit. The unit also features Text to Stream capability, allowing pre-recorded messages to be stored and edited as needed. Alternatively, messages can be recorded and stored in MP3 format. With the onboard SSD, the capacity for storing messages is practically limitless.



VEB 14-IPC-CF



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Technical Specification

	VEB 14-IPC-CF
Central Processing Unit	Intel® Core™ i3-12100 Processors, 12M Cache, 4.30GHz
Memory	4GB DDR4-2666
Drive	250GB SATA SSD
Network Interface	10/100Mbit Ethernet
Network Protocol	VectusNET
Operating System	Windows 11
System Audio Buses	32 Audio Buses
Maximum Network Microphones connected to network	Up to 60 network microphones
System Audio Output channels	Up to 128 Audio Output Channels
Speaker Zones	Unlimited
System Control Inputs	Up to 600 Control Inputs
System Control Outputs	Up to 600 Control Outputs
System Features	PC Paging Text Streaming Time Scheduling Graphic Zone Selection Volume control Status system User / Password for logging Events logs Sound recording Reporting
Communication Interface	XML/SOAP Web Services
Connectors	1 x PS/2 keyboard/mouse combo port 1 x DisplayPort 1.4 1 x HDMI 1 x LAN (RJ45) port 2 x USB 3.2 Gen 1 (blue) Type-A up to 5Gbps 2 x USB 2.0 3 x Audio jack(s) - Line In / Front Speaker / Microphone
Indicator	Power LED
Power Supply	220 – 240Vac mains 50/60Hz
Operating Temperature	20 – 45 °C
Material & Finish	Mild Steel Casing, Textured Black
Dimensions	483 x 86 x 200 mm (W x H x D)
Weight	4.6 kg

VEB 12-CF | Network System Manager Software

The Network System Manager is designed to provide overall system governance of the VECTUS Network PA System. The software will provide the user interface for system initialisation steps such as; nodes search, address configuration, zone configuration and audio pattern routings. The Network System Manager can also act as a time scheduler with pre-recorded messages as well as a background music streaming. In compliance to emergency evacuation requirements, the software will store the evacuation messages and provide event logging, announcement logging and fault monitoring of all critical components within the system. The Network System Manager recommended to be continuously logged on to the network at all time after the settings are done.



VEB 12-CF



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VEB 13-CF | Network Audio Streaming Manager Software

The VEB 13-CF converts a normal workstation PC into a Network Audio Streaming Manager. This allows the user to stream 8 simultaneous channels of audio into the network over a single Ethernet connection. These audio channels can be retrieved by the VEB Network Audio Extracts. Each channel will have its own playlist created by the user. These playlists are configurable by from the GUI. This is an ideal solution for applications that require multiple audio channels like hotel, shopping complexes, supermarkets, theme parks, etc.



VEB 13-CF



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VEB-CF SERIES

VEB 42-CF | Emergency Paging Panel

VEB 42EM-CF | Emergency Paging Extension Panel

The Emergency Paging Panel is rack mount unit providing emergency responders/firemen personnel to conduct evacuation in any given project. Each Emergency Paging Panel comes with a handheld microphone and user friendly robust zone selection buttons. The Emergency Paging Panel complies with evacuation safety standards with its entire connection path to critical equipment in the system fully monitored. The Emergency Paging Panel will primarily communicate with the entire system via the LAN, however in the event of a failure of the LAN infrastructure, the system will revert to an analogue failsafe mode and still allow paging throughout the system. The Emergency Paging Panel comes with 24 zones selection button, should more zone selection button be required the unit can be cascaded with the VEB 42 EM-CF Emergency Paging Extension Panel. During an emergency announcement, the system is capable of overriding all volume controls in the building.



VEB 42-CF



VEB 42EM-CF



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Technical Specification

	VEB 42-CF	VEB 42 EM-CF
Network Interface	RJ 45,10/100 Mbps Ethernet TCP/IP	n/a
Communication	UART R-COMM to VEB 42-EM-CF	UART R-COMM to VEB 42-CF
Nos. of Zone Selection Buttons	24 no. Push to activate buttons	24 no. Push to activate buttons
Indicators	Power, Fault indicator, Emergency Mode activated, SIREN in progress, TALK	Power
Power Requirements	24 Vdc (Regulated), 0.5A (Fuse:1.0A)	24 Vdc (Regulated), 0.3A (Fuse:1.0A)
Material & Finish	Mild Steel Casing, Textured Black	Mild Steel Casing, Textured Black
Dimensions	483 x 86 x 200 mm (W x H x D)	483 x 86 x 200 mm (W x H x D)
Weight	3.9 kg	3.6 kg

VEB 44-CF | Network Paging Console

VEB 44EM-CF | Network Paging Console Extension

This is a network paging console that allows the user to make announcements in the building from any network point. The buttons can be programmed to assign a zone, or group of zones to it. The main unit, VEB 44-CF consist of 8 zone buttons, and each VEB 44EM-CF extension consists of 12 zones. The console must be used with the VEB 12-IPC-CF Network System Manager.



VEB 44-CF



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Technical Specification

	VEB 44-CF
Input Sensitivity	0dBV
Frequency Response	90Hz - 17kHz
Network	10/100 Mbit Ethernet
Microphone	Non-removable condenser gooseneck microphone with windshield
Zone Selection Buttons	8 zone buttons
Indicators	Power, Fault indicator, Zone selected indicator, Talk
Power Requirement	24 Vdc, 2 A Power Adaptor
Power Consumption	3.0W
Material & Finish	ABS, Graphite Black
Dimensions	105 x 51.2 x 249.4 mm (W x H x D) 300 mm gooseneck microphone
Weight	0.6 kg

Technical Specification

	VEB 44EM-CF
Zone Selection Buttons	12 zone buttons
Indicators	Zone selected indicator
Connector & Cable	Clip type Ribbon Cable
Power Consumption	2.5W
Material & Finish	ABS, Graphite Black
Dimensions	105 x 51.2 x 249.4 mm (W x H x D) 300 mm gooseneck microphone
Weight	0.6 kg

VEB 21-CF | Network Paging Station

The VEB 21-CF converts a normal workstation PC into a full fledged Paging Station with additional features that never before could an ordinary paging console do. The operator now could make zone selection visually, similar to a paging console with button selections. The Text Streaming feature allows announcements to be entered in text, real-time or pre-stored. The text will then be synthesised into human voice and broadcasted. Text streaming assures that all announcements made are consistent in voice, pronunciation, rate of speech and loudness. A VT 62 paging gooseneck microphone is to be connected to the PC's 3.5mm microphone input port for use with the VEB 21-CF.



VEB 21-CF



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VEB-CF SERIES

VEB 43-CF | Network Paging Console

The Network Paging Console for the VEB-CF Series is a state of the art touchscreen based paging console unit. It allows the user to operate the unit as well as select the zones via a user friendly GUI. From the GUI the operator will be able to make zone selection individually or in pre-defined groups based on the client's requirement. The unit has a goose-neck stalk microphone for live announcements. The unit has onboard chime and alarm siren which can be used for pre-announcements tones. During an emergency the unit can be set to override all volume controls in the building.

Being a network enabled console, the unit can be connected or relocated anywhere within the project without hassle - simply by connecting to the LAN's datapoint. Future upgrade to the unit will also allow the unit to communicate and make announcements via WIFI connection.



VEB 43-CF



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Technical Specification

VEB 43-CF	
Port Interface	Rj45 10/100 Mbps Ethernet TCP/IP Connectivity Stereo/Mono (Stream)
Graphic Display	10 inch touch screen, resolution 1920 x 1080 pixels
Microphone	Non-removable gooseneck condenser capsule Unidirectional microphone with windshield
Chime	2 Tone Ascending and 2 Tone Descending. (User customizable)
Power Supply	12 Vdc, 2.5 A
Power Consumption	18W
Audio Input	Condenser, 1 Vrms, unbalanced
Audio Output	VectusNET PCM Uncompressed Audio
Monitor Speaker	8Q 1W 1" speaker
Frequency Response	20Hz – 18kHz
Signal to Noise Ratio	>90dB @ 1KHz
Network I/F	10BASE-T/100BASE-T
Network Protocol	VectusNET
Operation Temperature	0°C – 40°C
Operation Humidity	Less than 90% Relative Humidity
Features	Text streaming Volume control Message BGM Status system User / Password for logging Events logs Sound recording Reporting
Paging	Unlimited
Accessories	Power Adapter (DC 12V/2.5A) Microphone Windscreen Microphone Windscreen
Material & Finish	ABS Black, Steel Metal Stand, Black
Dimensions	195 x 65 x 190 mm (W x H x D) (Mic only)
Weight	1.2 kg (inclusive metal bracket and stand)

VEB 45-CF | Network Paging Console

The Network Paging Console for the VEB Series is a state of the art touchscreen based paging console unit. It allows the user to operate the unit as well as select the zones via a user friendly GUI. From the GUI, the operator will be able to make zone selections individually. The unit has a gooseneck stalk microphone with LED indicator for live announcements. Being a network enabled console, the unit can be connected or relocated anywhere within the project without hassle - simply by connecting to the LAN's datapoint.



VEB 45-CF



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Technical Specification

VEB 45-CF	
Port Interface	RJ45 10/100 Mbps Ethernet TCP/IP Connectivity
Graphic Display	7 inch touch screen, resolution 1920 x 1080 pixels
Microphone	Removable gooseneck with ring LED Unidirectional microphone with windshield
Chime	4 Tone Ascending and 4 Tone Descending. (User customisable)
Power Supply	12 Vdc, 2 A
Power Consumption	3.5W (idle, screen off), 5W (paging), 6W (paging with speaker)
Audio Input	Condenser, 1 Vrms unbalanced
Audio Output	VectusNET PCM Uncompressed Audio
Monitor Speaker	8Q 1W 1" speaker
Frequency Response	20Hz – 18kHz
Signal to Noise Ratio	>90dB @ 1KHz
Network Interface	RJ45, 10/100 Mbps Ethernet TCP/IP
Network Protocol	VectusNET
Operation Temperature	0°C – 40°C
Operation Humidity	Less than 90% Relative Humidity
Features	Volume control USB Playback User settable Password for login Paging Monitoring Intercom
Paging	Unlimited
Accessories	Power Adapter (DC 12V/2A), Microphone Windshield
Material & Finish	ABS Black, Steel Metal Stand, Black
Dimensions	245 x 53 x 158 mm (W x H x D) (Mic base), 310mm (Goose neck Mic)
Weight	1.2 kg

VEB-CF SERIES

VEB 401-CF | Single Channel Network Audio Insert VEB 401M-CF | Single Channel Network BGM Insert

The VEB 401-CF Single Channel Network Audio Insert and its variant, the VEB 401M-CF Single Channel Network BGM Insert, are designed to seamlessly integrate with your audio system. Both units accept a single channel of analog audio and efficiently stream it out via standard Ethernet (LAN). While the VEB 401-CF serves as a versatile audio insert for a wide range of applications, the VEB 401M-CF is specifically optimised for background music (BGM), making it ideal for environments where ambiance is key. It enables the streaming of content from various sources such as CD players, FM tuners, and digital music platforms to any destination zone within the project.

This audio management system provides users with flexibility and control, allowing them to utilize the VEB 12-IPC-CF Network System Manager Unit. Through this networked control hub, users can remotely manage and fine-tune the routing patterns according to their specific requirements. Both the VEB 401-CF and VEB 401M-CF enhance the accessibility and distribution of audio sources but with the VEB 401M-CF offering a focus on delivering high-quality background music. This ensures that users have a comprehensive and user-friendly tool to tailor the audio experience to their preferences, making these units invaluable assets for diverse audio applications.



VEB 401-CF



VEB 401M-CF



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Technical Specification

	VEB 401-CF	VEB 401M-CF
Input Sensitivity	0dBV (Stereo)	0dBV (Stereo)
Input Impedance	17.5kΩ	17.5kΩ
Frequency Response	20Hz to 20kHz	20Hz to 20kHz
Signal-to-Noise Ratio	>80dB	>80dB
Audio Format	Speech Quality Audio Codec	CD Quality BGM Audio Codec
Network Interface	RJ45, 10/100 Mbps Ethernet TCP/IP	RJ45, 10/100 Mbps Ethernet TCP/IP
Indicators	Power, 1 nos. Input Signal and 1 nos. Line In Control	Power, 1 nos. Input Signal
Line Control Input	1 nos. Dry Contact trigger for input activation	n/a
Power Requirements	DC 24V 0.3 A (Fuse : 1.0A)	DC 24V 0.3 A (Fuse : 1.0A)
Back up Power	UPS	UPS
Material & Finish	Mild Steel Casing, Black	Mild Steel Casing, Black
Dimensions	215 x 44 x 150 mm (W x H x D)	215 x 44 x 150 mm (W x H x D)
Weight	1.1 kg	1.1 kg

VEB 404-CF | 4 Channel Network Audio Insert VEB 404M-CF | 4 Channel Network BGM Insert

The VEB 404-CF 4-Channel Network Audio Insert and its enhanced variant, the VEB 404M-CF 4-Channel Network BGM Insert, are designed for superior audio interface capabilities, accommodating four stereo channels of analog audio. Both models efficiently encode and stream all channels simultaneously via standard Ethernet (LAN), with the VEB 404-CF serving a broad spectrum of projects and the VEB 404M-CF specifically optimised for high-quality background music (BGM) integration, making it ideal for creating immersive ambient environments. They facilitate the streaming of content from diverse sources such as CD players, FM tuners, and digital music platforms to any destination zone within the project.

What sets these units apart is their user-friendly adaptability and the use of the VEB 12-IPC-CF, and VEB 14-IPC-CF management systems. These tools allow users to remotely manage and control the routing patterns to meet their specific requirements, ensuring a perfect alignment of audio distribution with the unique needs of each project. Both the VEB 404-CF and the VEB 404M-CF streamline the incorporation of multiple audio channels, empowering users with a comprehensive and customizable solution for managing their audio systems effectively and efficiently, with the VEB 404M-CF placing a particular emphasis on delivering an exceptional background music experience.



VEB 404-CF



VEB 404M-CF



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Technical Specification

	VEB 404-CF	VEB 404M-CF
Input Sensitivity	4 Channels 0dBV (Stereo)	4 Channels 0dBV (Stereo)
Input Impedance	17.5kΩ	17.5kΩ
Frequency Response	20Hz to 20kHz	20Hz to 20kHz
Signal-to-Noise Ratio	>80dB	>80dB
Audio Format	Speech Quality Audio Codec	CD Quality BGM Audio Codec
Network Interface	RJ45, 10/100 Mbps Ethernet TCP/IP	RJ45, 10/100 Mbps Ethernet TCP/IP
Indicators	Power, 4 nos. Input Signal and 4 nos. Line In Control	Power, 4 nos. Input Signal
Line Control Input	4 nos. Dry Contact trigger for input activation	n/a
Power Requirements	DC 24V 0.75 A (18W, Fuse : 1.0A)	DC 24V 0.75 A (18W, Fuse : 1.0A)
Back up Power	UPS	UPS
Material & Finish	Mild Steel Casing, Black	Mild Steel Casing, Black
Dimensions	483 x 44 x 150 mm (W x H x D)	483 x 44 x 150 mm (W x H x D)
Weight	3.0 kg	3.0 kg

VEB-CF SERIES

VEB 601-CF | Single Channel Network Audio Extract

Introducing the VEB 601-CF, a device crafted to extract and convert a single channel of network audio to analog, seamlessly integrating with AEX SYSTEM's amplifiers. Each unit's unique IP address provides user flexibility to customize audio sources for a personalized experience. The VEB 601-CF offers remote gain control via the VEB-12-CF Network System Manager, simplifying audio level adjustments. This efficiency and the ability to tailor audio output make the VEB 601-CF a premier choice for enhancing audio systems with optimal control and seamless performance.



VEB 601-CF



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Technical Specification

VEB 601-CF	
No. of Channels per unit	1 Channel
Line Out Audio Level	0 dBV (50Ω Electronically Balanced)
Audio Format	CD Quality BGM Audio Codec
Frequency Response	20Hz - 20kHz
Signal to Noise Ratio	>105dB
Total Harmonic Distortion	<0.05%
Network Interface	RJ45,10/100 Mbps Ethernet TCP/IP
Indicators	Power, 1 nos. Analog Link & 1 nos. ATT OVR
Control Output	1 nos. ATT OVR & 1 nos. Control In
Power Requirements	24Vdc (Regulated), 0.3A (Fuse:1.0A)
Material & Finish	Mild Steel Casing, Epoxy Coated Textured Black
Dimensions	215 x 44 x 150 mm (W x H x D)
Weight	1.1 kg

VEB 604-CF | 4-Channel Network Audio Extract

The VEB 604-CF, a sophisticated device, extracts and converts four network audio channels to analog, enhancing integration with AEX SYSTEM's amplifiers for a full audio solution. Each channel has a unique IP, enabling users to customize audio reception. It features precise remote gain control for each channel via the Network System Manager, ensuring a customized audio experience tailored to user preferences. The VEB 604-CF is an advanced, user-friendly solution for managing multiple audio channels, providing exceptional control and flexibility in audio systems.



VEB 604-CF



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Technical Specification

VEB 604-CF	
No. of Channels per unit	4 Channels
Line Out Audio Level	0 dBV (50Ω Electronically Balanced)
Audio Format	CD Quality BGM Audio Codec
Frequency Response	20Hz - 20kHz
Signal to Noise Ratio	>105dB
Total Harmonic Distortion	<0.05%
Network Interface	RJ45,10/100 Mbps Ethernet TCP/IP
Indicators	Power, 1 nos. Analog Link & 4 nos. ATT OVR
Control Output	4 nos. ATT OVR & 4 nos. Control Input
Power Requirements	24Vdc (Regulated), 0.75A (Fuse:1.0A)
Material & Finish	Mild Steel Casing, Epoxy Coated Textured Black
Dimensions	483 x 44 x 150 mm (W x H x D)
Weight	3.0 kg

VLS 12M-CF | Network Matrix Expander

VLS 12S-CF | Network Matrix Expander

The Network Matrix Expander is a component designed for expanding PA system outputs, customizable to specific client needs with the ability to toggle between ON and OFF states for announcements and music. Control is achieved through the LAN using tools like the Network System Manager. It supports up to 12 outputs per unit, with scalability to 96 outputs by chaining multiple units, all under a single IP address. This functionality makes it suitable for large-scale audio systems, offering easy output management and adaptability to meet diverse client requirements efficiently.



VLS 12M-CF



VLS 12S-CF



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Technical Specification

	VLS 12M-CF	VLS 12S-CF
Network Interface	RJ45, 10/100 Mbps Ethernet TCP/IP	RJ45, RS485
Indicators	Power, 12 nos. Zone status indicator (ON/OFF), All Call Override, Network Fault	Power, 12 nos. Zone status indicator (ON/OFF), All Call Override
Number of Zones	12 nos. (expandable to 96 with 7 nos. VLS 12S-CF)	12 nos.
ID Switch	n/a	Up to 7 ID
Max. Current Handling per output	5A (500W) per zone	5A (500W) per zone
Power Requirements	24 Vdc (Regulated), 0.4 A (Fuse:1.0 A)	24Vdc (Regulated), 0.42A (Fuse:1.0A)
Material & Finish	Mild Steel Casing, Epoxy Coated Textured Black	Mild Steel Casing, Epoxy Coated Textured Black
Dimensions	483 x 44 x 150 mm (W x H x D)	483 x 44 x 150 mm (W x H x D)
Weight	2.1 kg	2.1 kg

VEB-CF SERIES

VEB 31-CF | Control Input Interface

The VEB 31-CF serves as a versatile interface, facilitating seamless integration with various third-party equipment and sensors that might not inherently adhere to network compliance standards. This adaptable unit boasts the capacity to receive inputs from 60 opto-coupler dry contact closures. These contact closures can be meticulously programmed to trigger a myriad of functions within the system, showcasing its flexibility and compatibility with diverse applications. For instance, when seamlessly integrated with a Fire Alarm Panel, the VEB 31 can play a pivotal role in automating critical functions, such as initiating a fire evacuation broadcast or triggering pre-recorded messages. This level of functionality not only underscores the unit's adaptability but also enhances its utility in diverse contexts, making it an indispensable component for comprehensive and responsive audio system management.



VEB 31-CF



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Technical Specification

VEB 31-CF	
Network Interface	RJ45, 10/100 Mbps Ethernet TCP/IP
Indicators	Power
Control Input	60 nos. Opto-coupler Control Input Sensors
Maximum Power	80Vdc
Maximum Current	5mA
Power Requirements	24Vdc (Regulated), 0.75A (Fuse:1.0A)
Material & Finish	Mild Steel Casing, Textured Black
Dimensions	483 x 44 x 150 mm (W x H x D)
Weight	2.0 kg

VEB 32-CF | Control Output Interface

The VEB 32-CF serves as a versatile interface, allowing seamless integration and activation of third-party equipment that may not conform to network compliance standards. This adaptable unit is equipped with 60 opto-coupler output triggers, providing a robust mechanism to initiate and control external relays and devices. These output triggers can be precisely configured to synchronise with a wide range of equipment, enhancing the interoperability of the overall system. By employing the VEB 32-CF, users gain the capability to orchestrate and coordinate various functions in the network, thereby maximizing the efficiency and responsiveness of their equipment setup. Whether it's activating specific relays or interfacing with non-network-compliant devices, the VEB 32-CF stands as a reliable solution, expanding the horizons of connectivity and control in diverse applications.



VEB 32-CF



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Technical Specification

VEB 32-CF	
Network Interface	RJ45, 10/100 Mbps Ethernet TCP/IP
Indicators	Power
Control Input	60 nos. Opto-coupler Control Output
Power Requirements	24Vdc (Regulated), 0.75A (Fuse:1.0A)
Material & Finish	Mild Steel Casing, Textured Black
Dimensions	483 x 44 x 150 mm (W x H x D)
Weight	2.0 kg

VAC 04-CF | Network Automatic Amplifier Changeover Unit

VAC 08-CF | Network Automatic Amplifier Changeover Unit

The VAC 04-CF and VAC 08-CF Network Automatic Amplifier Changeover unit provides monitoring and surveillance of power amplifiers within a project via the LAN. The unit is capable of monitoring up to 4 units (VAC 04) and 8 units (VAC 08) of power amplifiers for faults. Upon fault detection the unit will automatically changeover the faulty amplifier to a standby amplifier and at the same time report the fault to the Network System Manager or Network Paging Station.



VAC 04-CF



VAC 08-CF



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Technical Specification

	VAC 04-CF	VAC 08-CF
Network Interface	10/100 Mbps Ethernet TCP/IP	10/100 Mbps Ethernet TCP/IP
No. of channels per unit	4 Channels Duty, 1 Standby	8 Channels Duty, 1 Standby
Max. power handling per channel	1200 W	1200 W
Indicators	Power, 5 Bi-Colour indicators for 4 Duty and 1 Standby amplifier status, Network Fault	Power, 9 Bi-Colour indicators for 8 Duty and 1 Standby amplifier status, Network Fault
Power Requirements	24Vdc (Regulated), 0.33 A	24Vdc (Regulated), 0.55 A
Material & Finish	Mild Steel Casing, Black	Mild Steel Casing, Black
Dimensions	483 x 44 x 150 mm (W x H x D)	483 x 44 x 150 mm (W x H x D)
Weight	2.4 kg	2.5 kg

VEB-CF SERIES

VEB 6201 M+ | Integrated Network PA System

VEB 6306 M+ | Integrated Network PA System

VEB 6303 M+ | Integrated Network PA System

VEB 6312 M+ | Integrated Network PA System

The VEB Mplus Series is a reliable and easy-to-use Public Address System suitable for a wide range of small-to-large scale applications. Its single-box design makes it highly convenient, this network version available for larger installations with multiple zones or buildings. Users can manage and control multiple units from a single location, providing a seamless and efficient way to manage their Public Address System.

Below we have a few key points why everything build into a single unit saves time and money.

1. **Complexity:** Having multiple products requires multiple connections, which result in a complex setup and multiple points of failure due to human errors.
2. **Increased Cost:** Buying multiple products is more expensive than purchasing a single all-in-one solution.
3. **Compatibility Issues:** The products chosen for the system may not work seamlessly together, leading to compatibility issues that result in a system that does not work.

In the VEB M+ everything is integrated into a single unit, eliminating all the above problems, resulting in a more streamlined, efficient, and user-friendly solution.

The VEB M+ is also extremely light and compact. Technology has allowed AEX System to keep the VEB M+ extremely compact through advancements in miniaturization, integration of multiple components, and development of software with greater functionality replacing a lot of bulky hardware. This has lead to a smaller product with more capabilities.

The VEB M+ is based on AEX System's inhouse Class D Power amplifier which are efficient and have a lower operating cost and carbon footprint. There are number of advantage from AEX System Class D amplifier.

High Efficiency: Class D amplifiers operate by rapidly switching the power supply voltage on and off, which reduces the amount of energy lost as heat. AEX System's Class D power amplifier has an efficiency above 92%. All this translates to a lower operating costs and a reduced carbon footprint.

Low Standby Power Consumption: The Class D amplifier technology employed in the Mplus has an extremely low standby power consumption. This helps reduce energy waste and saves money on electricity bills. It also helps to extend the lifespan of the amplifier as the components are not 'stressed' in standby mode.

Smaller Size: The high efficiency of Class D amplifiers allows for a smaller size, which can reduce the materials and resources used in manufacturing, reducing the overall equipment cost and space requirement.




VEB 6201 M+




VEB 6303 M+
VEB 6306 M+
VEB 6312 M+




Available on




AEX App
Compatible



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VEB-CF SERIES

Technical Specification

	VEB 6201 M+	VEB 6303 M+	VEB 6306 M+	VEB 6312 M+
Network Interface	10/100 Mbps Ethernet TCP/IP			
Network Protocols	VECTUSNet			
Power Requirement	24Vdc, 0.6A	AC Mains 115-240Vac UPS Backup : 391VA	AC Mains 115-240Vac UPS Backup : 652VA	AC Mains 115-240Vac UPS Backup : 1304VA
Operating Temperature	5 °C to +45 °C	5 °C to +45 °C	5 °C to +45 °C	5 °C to +45 °C
Material & Finish	Mild Steel Casing, Epoxy Coated Textured Black	Mild Steel Casing, Epoxy Coated Textured Black	Mild Steel Casing, Epoxy Coated Textured Black	Mild Steel Casing, Epoxy Coated Textured Black
Dimension	483 x 86 x 250 mm (W x H x D)	483 x 86 x 400 mm (W x H x D)	483 x 86 x 400 mm (W x H x D)	483 x 86 x 400 mm (W x H x D)
Weight	7.2 kg	8.1 kg	8.1 kg	8.1 kg
M+ 200-DM Digital Media Player				
Audio Sources	USB Player (MP3 format) TF Card (MP3 format) FM Tuner AEX Bluetooth Function with: - Timer Scheduled messages - Wireless App Paging - Remote Message triggering - Timer Scheduled Music			
AUX Audio Inputs (c/w Selector switch)	AUX 1: 0dB Stereo AUX 2: 0dB Stereo AUX 3: 0dB Stereo			
M+ 202-FA Fire Alarm Interface Module				
Fire Alarm Interface Inputs	2 nos Dry Contact: Warning Message (MP3 format), Evacuation Message (MP3 format)			
M+ 100-PT Time Schedule Message Player				
Configuration method	USB port with GUI Engineering Tool			
Time Schedule Slots	100 time schedule slots. Repeatable and one-time event			
Time Schedule Data Storage	High speed non-volatile EEPROM			
Schedule Message Player	Internal MP3 Player			
MP3 Message storage	Onboard 16GB SD card			
Audio Output	0dB Balanced Audio			
M+ 208-RM Remote Microphone Receiver Module				
Remote Mic Comm Port	RS 485 Serial Communication			
Remote Mic Audio Input	0dB Balanced Audio			
External Zone Control	RS 485 Communication			
M+ 01-EP Emergency Paging Microphone Panel				
Microphone	Dynamic Microphone (Unidirectional)			
Frequency Response	280 Hz ~ 9 kHz			
Output Impedance	600 Ω unbalanced			
Output Level	-72 dB +/- 3 dB (at 1 kHz)			
Mic Activation	Press to talk			
Siren	Continuous On trigger			
Messages	Preloaded : Warning Message (MP3), Evacuation Message (MP3)			
M+ LS12 Zone Expander				
Load handling per Channel	500W 100Vline			
Output Zone	12 Zones			
Zone Selection	Front Mechanical Push Button R-Comm RS485 from Remote paging console			
	VEB 6201 M+	VEB 6303 M+	VEB 6306 M+	VEB 6312 M+
Power Amplification	-	M+ 1030-PD 360W Digital Power Amplifier	M+ 1060-PD 600W Digital Power Amplifier	M+ 1120-PD 1200W Digital Power Amplifier
Rated Load Impedance	-	360W (100V line) Class-D power amplifier	600W (100V line) Class-D power amplifier	1200W (100V line) Class-D power amplifier
Frequency Response	-	27.7 Ω	16.6 Ω	8.3 Ω
Signal to Noise Ratio	20Hz-20kHz	>105dB	>105dB	>105dB
THD + Noise	>105dB	< 1% (rated power output)	< 1% (rated power output)	< 1% (rated power output)
Power Efficiency	>92%	>92%	>92%	>92%
Standby Power Consumption	1.2W	1.2W	1.2W	1.2W
M+ AC01 Automatic Amplifier Monitoring and Changeover				
Max Power Handling Per Channel	-	360W	600W	1200W
Number of Amplifier channels	-	2 Channels (1 Duty, 1 Standby)	2 Channels (1 Duty, 1 Standby)	2 Channels (1 Duty, 1 Standby)
Changeover Mechanism	-	Fast switching dry contact relay	Fast switching dry contact relay	Fast switching dry contact relay

VEB 12-IPC | Network System Manager Unit

The Network System Manager unit is designed to provide overall system governance of the VEB Network PA System. The unit will provide the user interface for system initialization steps such as; VEB unit nodes search, VEB units address configuration, zone configuration and audio pattern routings. The Network System Manager can also act as a time scheduler with pre-recorded messages as well as a background music source with up to 3 channels of background music streaming. All pre-recorded messages and music files will be stored on board an SSD Hard-drive in the VEB 12-IPC Unit.

The VEB 12-IPC and VEB Series Network System manager will provide overall system status via its User Interface and event logging. All the event logs and reports can be retrieved at any time. The Network system manager also allows the setting up of user access and passwords to the Network PA system.



VEB 12-IPC



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Technical Specification	
	VEB 12-IPC
Central Processing Unit	Intel® Core™ i3-8100 Processors, 6M Cache, 3.60GHz
Memory	512M x 64-bit (4GB) DDR4-2400 CL17 SDRAM
Drive	120GB SATA SSD
Network Interface	10/100Mbit Ethernet
Network Protocol	VectusNET
Operating System	Windows 10 IoT Enterprise
System Audio Buses	32 Audio Buses
Maximum Network Microphones connected to network	Up to 60 network microphones
System Audio Output channels	Up to 128 Audio Output Channels
Speaker Zones	Unlimited
System Control Inputs	Up to 600 Control Inputs
System Control Outputs	Up to 600 Control Outputs
System Features	PC Paging Text Streaming Time Scheduling Graphic Zone Selection Volume control Status system User / Password for logging Events logs Sound recording Reporting
Communication Interface	XML/SOAP Web Services
Connectors	1 x PS/2 keyboard/mouse combo port(s) 1 x DVI-D 1 x D-Sub 1 x HDMI 1 x LAN (RJ45) port(s) 2 x USB 3.1 Gen 1 (blue) Type-A up to 5Gbps 2 x USB 2.0 3 x Audio jack(s)
Indicator	Power LED
Power Supply	220 – 240Vac mains 50/60Hz
Backup Power	UPS
Maximum Input Power	528W
Power Consumption	120W
Operating Temperature	20 – 80 °C
Material & Finish	Mild Steel Casing, Textured Black
Dimensions	483 x 86 x 200 mm (W x H x D)
Weight	4.6 kg

VEB 13-IPC | Network Audio Streaming Manager Unit

The VEB 13-IPC Network Audio Streaming Manager Unit allows the user to stream 8 simultaneous channels of audio into the network over a single Ethernet connection. These audio channels can be retrieved by the VEB Network Audio Extracts. Each channel will have its own playlist created by the user. These playlists are configurable by from the GUI. This is an ideal solution for applications that require multiple audio channels like hotel, shopping complexes, supermarkets, theme parks, etc.



VEB 13-IPC



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Technical Specification	
	VEB 13-IPC
Central Processing Unit	Intel® Core™ i3-8100 Processors, 6M Cache, 3.60GHz
Memory	512M x 64-bit (4GB) DDR4-2400 CL17 SDRAM
Drive	SATA SSD
Network Interface	10/100Mbit Ethernet
Network Protocol	VectusNET
Operating System	Windows 10 IoT Enterprise
BGM Buses	4 Independent BGM Buses
Connectors	1 x PS/2 keyboard/mouse combo port(s) 1 x DVI-D 1 x D-Sub 1 x HDMI 1 x LAN (RJ45) port(s) 2 x USB 3.1 Gen 1 (blue) Type-A up to 5Gbps 2 x USB 2.0 3 x Audio jack(s)
Indicator	Power LED
Power Supply	220 – 240Vac mains 50/60Hz
Operating Temperature	20 – 80 °C
Material & Finish	Mild Steel Casing, Textured Black
Dimensions	483 x 86 x 200 mm (W x H x D)
Weight	4.6 kg

VEB SERIES

VEB 14-IPC | Dual Redundancy Network System Manager Unit

The Dual Redundancy Network System Manager unit is designed to provide overall system governance of the VEB Network PA System. The unit will provide the user interface for system initialization steps such as; VEB unit nodes search, VEB units address configuration, zone configuration and audio pattern routing.

The VEB 14-IPC and VEB Series Network System manager will provide overall system status via its User Interface and event logging. All the event logs and reports can be retrieved at any time. The Network system manager also allows the setting up of user access and passwords to the Network PA system.

The Network System Manager can also act as a time scheduler with pre-recorded messages as well as a background music source with up to 3 channels of background music streaming. All pre-recorded messages and music files will be stored on board an SSD Hard-drive in the VEB 14-IPC Unit. The unit also has a Text to Stream capability allowing pre-corded messages to be stored and edited whenever required. Alternatively messages can also be recorded and stored in MP3 format. Utilizing the on-board SSD Hard-drive, the capacity for the number of messages are practically limitless.



VEB 14-IPC



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Technical Specification

	VEB 14-IPC
Central Processing Unit	Intel® Core™ i3-8100 Processors, 6M Cache, 3.60GHz
Memory	512M x 64-bit (4GB) DDR4-2400 CL17 SDRAM
Drive	SATA SSD
Network Interface	10/100Mbit Ethernet
Network Protocol	VectusNET
Operating System	Windows Server 2012
System Audio Buses	32 Audio Buses
Maximum Network Microphones connected to network	Up to 60 network microphones
System Audio Output channels	Up to 128 Audio Output Channels
Speaker Zones	Unlimited
System Control Inputs	Up to 600 Control Inputs
System Control Outputs	Up to 600 Control Outputs
System Features	PC Paging Text Streaming Time Scheduling Graphic Zone Selection
Communication Interface	XML/SOAP Web Services
Server Redundancy	Cluster Computing Network Load Balancing
Connectors	1 x PS/2 keyboard/mouse combo port(s) 1 x DVI-D 1 x D-Sub 1 x HDMI 1 x LAN (RJ45) port(s) 2 x USB 3.1 Gen 1 (blue) Type-A up to 5Gbps 2 x USB 2.0 3 x Audio jack(s)
Indicator	Power LED
Power Supply	220 – 240Vac mains 50/60Hz
Operating Temperature	20 – 80 °C
Material & Finish	Mild Steel Casing, Textured Black
Dimensions	483 x 86 x 200 mm (W x H x D)
Weight	4.6 kg

VEB 42 | Emergency Paging Panel

VEB 42-EM | Emergency Paging Extension Panel

The Emergency Paging Panel is rack mount unit providing emergency responders/firemen personnel to conduct evacuation in any given project. Each Emergency Paging Panel comes with a handheld microphone and user friendly robust zone selection buttons. The Emergency Paging Panel complies with evacuation safety standards with its entire connection path to critical equipment in the system fully monitored. The Emergency Paging Panel will primarily communicate with the entire system via the LAN, however in the event of a failure of the LAN infrastructure, the system will revert to an analogue failsafe mode and still allow paging throughout the system. The Emergency Paging Panel comes with 24 zones selection button, should more zone selection button be required the unit can be cascaded with the VEB 42-EM Emergency Paging Extension Panel. During an emergency announcement, the system is capable of overriding all volume controls in the building.



VEB 42



VEB 42-EM



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Technical Specification

	VEB 42	VEB 42-EM
Network Interface	RJ 45,10/100 Mbps Ethernet TCP/IP	NA
Communication	UART R-COMM to VEB 42-EM	UART R-COMM to VEB 42
Nos. of Zone Selection Buttons	24nos. Push to activate buttons	24nos. Push to activate buttons
Indicators	Power, Fault indicator, Emergency Mode activated, SIREN in progress, TALK	Power
Power Requirements	24Vdc (Regulated), 0.5A (Fuse:1.0A)	24Vdc (Regulated), 0.3A (Fuse:1.0A)
Material & Finish	Mild Steel Casing, Textured Black	Mild Steel Casing, Textured Black
Dimensions	483 x 86 x 200 mm (W x H x D)	483 x 86 x 200 mm (W x H x D)
Weight	3.9 kg	3.6 kg

VEB SERIES

VEB 43-10 | Network Paging Console

The Network Paging Console for the VEB Series is a state of the art touchscreen based paging console unit. It allows the user to operate the unit as well as select the zones via a user friendly GUI. From the GUI the operator will be able to make zone selection individually or in pre-defined groups based on the client's requirement. The unit has a goose-neck stalk microphone for live announcements. The unit has onboard chime and alarm siren which can be used for pre-announcements tones. During an emergency the unit can be set to override all volume controls in the building.

Being a network enabled console, the unit can be connected or relocated anywhere within the project without hassle - simply by connecting to the LAN's datapoint. Future upgrade to the unit will also allow the unit to communicate and make announcements via WIFI connection.



VEB 43-10



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Technical Specification

VEB 43-10	
Port Interface	Rj45 10/100 Mbps Ethernet TCP/IP Connectivity Stereo/Mono (Stream)
Graphic Display	10 inch touch screen, resolution 1920 x 1080 pixels
Microphone	Non-removable gooseneck condenser capsule Unidirectional microphone with windshield
Chime	2 Tone Ascending and 2 Tone Descending. (User customizable)
Power Supply	12 Vdc, 2.5 A
Power Consumption	18W
Audio Input	Condenser, 1 Vrms, unbalanced
Audio Output	VectusNET PCM Uncompressed Audio
Monitor Speaker	8Ω 1W 1" speaker
Frequency Response	20Hz – 18kHz
Signal to Noise Ratio	>90dB @ 1KHz
Network I/F	10BASE-T/100BASE-T
Network Protocol	VectusNET
Operation Temperature	0°C – 40°C
Operation Humidity	Less than 90% Relative Humidity
Features	Text streaming Volume control Message BGM Status system User / Password for logging Events logs Sound recording Reporting
Paging	Unlimited
Accessories	Power Adapter (DC 12V/2.5A) Microphone Windscreen Microphone Windscreen
Material & Finish	ABS Black, Steel Metal Stand, Black
Dimensions	195 x 65 x 190 mm (W x H x D) (Mic only)
Weight	1.2 kg (inclusive metal bracket and stand)

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VEB 44 | Network Paging Console

VEB 44EM | Paging Console Extension

This is a network paging console that allow user to make announcement in the buildings from any network point. Its buttons can be programmed to assign zone or group of zones to it. The main unit VEB 44 consist of 8 zone buttons and the extension VEB 44EM consist of 12 zone buttons. This console can be used with or without the VEB 21-IPC Network System Manager.

VEB 44



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Technical Specification

VEB 44 - VEB 44EM	
Network	10/100 Mbit Ethernet
Microphone	Non-removable condenser gooseneck microphone with windshield
Zone Selection Buttons	VEB 44 - 8 zone buttons, VEB 44-EM - 12 zone buttons
Indicators	VEB 44 - Power, Fault indicator, Zone selected indicator, Talk , VEB 44-EM - Zone selected indicator
Power Requirement	24 Vdc, 2 A Power Adaptor
Material & Finish	ABS, Graphite Black
Dimensions	105 x 51.2 x 249.4 mm (W x H x D)
Weight	0.6 kg (VEB 44) 0.6 kg (VEB 44EM)

VEB 21 | Network Paging Station

The VEB 21 converts a normal workstation PC into a full fledged Paging Station with additional features that never before could an ordinary paging console do. The operator now could make zone selection either from a graphical map or floor plan to assist the operator visually or from the GUI layout, similar to a paging console for button selection. The Text Streaming feature allows announcements to be entered in text, real-time or pre-stored. The text will then be synthesised into human voice and broadcasted. Text streaming assures that all announcements made are consistent in voice, pronunciation, rate of speech and loudness. VT 61 paging goose-neck microphone to be connected to the audio input of the PC is available for use with the VEB 21.



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VEB SERIES

VEB 401 | Network Audio Insert

The VEB 401 accepts a single channel of analogue audio and streams out the audio via standard Ethernet (LAN). The unit will serve as a Background music source audio insert for most application allowing CD players, FM tuners and the likes to be stream to any destination zone within the project. The user can utilize the VEB 12-IPC Network System Manager to manage and control the routing pattern according to the user requirements remotely.



VEB 401



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Technical Specification

VEB 401	
Input Sensitivity	0dBV (Stereo), RCA Connector
Networking	RJ45, 100 Mbps Ethernet
Audio Encoding Quality	CD Quality BGM Audio Codec
Application Interface	Built-in VectusNet Platform
Power Requirement	24 Vdc -1 A
Material & Finish	Mild Steel Casing, Black
Dimensions	107 x 46 x 124 mm (W x H x D)
Weight	0.41 kg

VEB 404-S | 4-Channel Network Audio Insert

The VEB 404-S accepts 4 stereo channels of analogue audio, encodes and streams all channels out simultaneously via standard Ethernet (LAN). The unit will serve as a background music source audio insert for most projects allowing CD players, FM tuners and the likes to be stream to any destination zone within the project. The user can utilize the Network System Manager to manage and control the routing pattern according to the user requirements remotely.



VEB 404-S



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Technical Specification

VEB 404-S	
Input Sensitivity	4 Channels 0dBV (Stereo)
Input Impedance	20kΩ
Frequency Response	20Hz to 20kHz
Signal-to-Noise Ratio	>105dB
Audio Format	CD Quality BGM Audio Codec
Network Interface	RJ 45, 10/100 Mbps Ethernet TCP/IP
Indicators	Power, 4 nos. Input Signal and 4 nos. Line In Control
Line Control Input	4 nos. Dry Contact trigger for input activation
Power Requirements	DC 24V 0.75 A (18W, Fuse : 1.0A)
Back up Power	UPS
Material & Finish	Mild Steel Casing, Black
Dimensions	483 x 44 x 200 mm (W x H x D)
Weight	2.0 kg

VEB 601-S | Single Channel Network Audio Extract

The VEB 601-S extracts single channel of audio from the network and converts it back to analogue audio. This audio can then be fed into AEX SYSTEM's range of power amplifier models. Each unit has a unique IP address allowing the unit to receive audio from the desired source. Gain control can be remotely controlled using the Network System Manager via the network.



VEB 601-S



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Technical Specification

VEB 601-S	
No. of Channels per unit	1 Channel
Line Out Audio Level	0 dBV (600Ω Balanced)
Audio Format	CD Quality BGM Audio Codec
Frequency Response	20Hz - 20kHz
Signal to Noise Ratio	>105dB
Total Harmonic Distortion	<0.05%
Network Interface	RJ 45,10/100 Mbps Ethernet TCP/IP
Indicators	Power, 1 nos.Analog Link & 1 nos. ATT OVR
Control Output	1 nos. ATT OVR & 1 nos. Control Output (user programmable)
Power Requirements	24Vdc (Regulated), 1A (Fuse:1.0A)
Material & Finish	Mild Steel Casing, Epoxy Coated Textured Black
Dimensions	215 x 44 x 150 mm (W x H x D)
Weight	1.3 kg

VEB 604-S | 4-Channel Network Audio Extract

The VEB 604-S extracts 4 channels of audio from the network and converts it back to analogue audio. This audio can then be then be fed into AEX SYSTEM's range of power amplifier models. Each of the 4 channels on the unit has a unique IP address allowing the unit to receive its own dedicated audio from desired sources available. Individual gain control can be remotely controlled using the Network System Manager via the network.



VEB 604-S



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Technical Specification

VEB 604-S	
No. of Channels per unit	4 Channels
Line Out Audio Level	0 dBV (600Ω Balanced)
Audio Format	CD Quality BGM Audio Codec
Frequency Response	20Hz - 20kHz
Signal to Noise Ratio	>105dB
Total Harmonic Distortion	<0.05%
Network Interface	RJ 45,10/100 Mbps Ethernet TCP/IP
Indicators	Power, 1 nos.Analog Link & 4 nos. ATT OVR
Control Output	4 nos. ATT OVR & 4 nos. Control Output (user programmable)
Power Requirements	24Vdc (Regulated), 3.0A (Fuse:1.0A)
Material & Finish	Mild Steel Casing, Epoxy Coated Textured Black
Dimensions	483 x 44 x 150 mm (W x H x D)
Weight	3.0 kg

VEB SERIES

VEB 6010PD-L | 100W Network Audio Amplifier

The VEB 6010PD-L 100W Network Audio Amplifier unit receives and decodes IP audio streams with a built-in 100W class-D Low Impedance audio amplifier. The unit is designed to work with the VEB 12-IPC Network System Manager as part of the VEB Series range of products. The unit reproduces high quality audio for music and paging announcements.



VEB 6010PD-L



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Technical Specification

VEB 6010PD-L	
Rated Output Power	2 x 50W , 4 Ω BTL (Stereo Mode) 1 x 100W, 2 Ω PBTL (Mono Mode)
Frequency Response	20Hz ~ 20kHz
Protection	Short circuit and overload protection
Networking	100 Mbps Ethernet
Audio Decoding Quality	CD Quality
Application Interface	Built-in VectusNet Platform
Power Requirement	24 Vdc -5 A
Material & Finish	Mild Steel Casing, Black
Dimensions	169 X 52 X 124 mm (W x H x D)
Weight	0.74 kg

VEB 6010PM-L | 100W Network Powered Mixer

The VEB 6010PM-L 100W Network Powered Mixer receives and decodes IP audio streams. The unit features a built-in 2 x 50W digital amplifier and is designed to power low impedance speaker systems for the distribution of high quality background music and paging announcement. The VEB 6010PM-L also has provision for one local Auxiliary and two Mic input to be connected directly to the unit. This makes the unit highly suitable for classrooms, conference rooms and small lecture hall applications where a local PA system is required. It allows all the distributed VEB 6010PM-L to be integrated over any existing LAN infrastructure. Once connected over the LAN, it forms a comprehensive network audio solution that can be managed from a central control room.



VEB 6010PM-L



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Technical Specification

VEB 6010PM-L	
Rated Output Power	2 x 50W , 4 Ω BTL (Stereo Mode) 1 x 100W, 2 Ω PBTL (Mono Mode)
Frequency Response	20Hz ~ 20kHz
Protection	Short circuit and overload protection
Networking	100 Mbps Ethernet
Audio Decoding Quality	CD Quality
Application Interface	Built-in VectusNet Platform
Power Requirement	24 Vdc -5 A
Material & Finish	Mild Steel Casing, Black
Dimensions	169 X 52 X 174 mm (W x H x D)
Weight	0.95 kg

PD 1010-L | 100W Audio Amplifier

The PD 1010-L Audio Amplifier is a 100W low impedance class D audio amplifier. The unit is designed to receive analogue audio via its 0dB Line Input and reproduce high quality audio suitable for music, paging announcements and audio advertisement reproduction. The unit is designed to complement mainly the VEB series to increase the amplification power of those systems. The PD 1010-L unit is best paired with AEX System H Series professional speaker range.



PD 1010-L



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Technical Specification

PD 1010-L	
Rated Output Power	2 x 50W , 4 Ω BTL, 1 x 100W, 2 Ω PBTL ,
Frequency Response	20Hz ~ 20kHz
Protection	Short circuit and Overload protection
Power Requirement	24 Vdc -5 A
Material & Finish	Mild Steel Casing, Black
Dimensions	107 x 46 x 124 mm (W x H x D) (without ear bracket)
Weight	0.40 kg

VLS 12 | Network Matrix Expander

The Network Matrix Expander allows the increase of outputs within a PA System. These output can easily be created in accordance to the client's requirements and controlled to be switched ON or OFF (during announcements and music routing) directly via the LAN using the Network System Manager, Network Paging Console or the Network Paging Station. Each Network Matrix Expander is capable of providing 12 outputs and multiple unit can be used within a project for large scale applications.



VLS 12



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Technical Specification

VLS 12	
Network Interface	RJ 45, 10/100 Mbps Ethernet TCP/IP
Indicators	Power, 12 nos. Zone status indicator (ON/OFF)
Number of Zones	12 nos.
Max. Current Handling per output	5A (500W) per zone
Power Requirements	24Vdc (Regulated), 0.42A (Fuse:1.0A)
Material & Finish	Mild Steel Casing, Black
Dimensions	483 x 44 x 150 mm (W x H x D)
Weight	2.1 kg

VEB SERIES

VEB 31 | Control Input Interface

The VEB 31 provides a means of interfacing with other third party equipment and sensors that are not network compliant. The unit is capable of receiving 60 opto-coupler dry contact closures which can be programmed to trigger a number of functions in the system such as an automated fire evacuation broadcast of pre-recorded messages when integrated with a Fire Alarm Panel.



VEB 31



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Technical Specification

	VEB 31
Network Interface	RJ45, 10/100 Mbps Ethernet TCP/IP
Indicators	Power
Control Input	60 nos. Opto-coupler Control Input Sensors
Maximum Power	80Vdc
Maximum Current	5mA
Power Requirements	24Vdc (Regulated), 0.3A (Fuse:1.0A)
Material & Finish	Mild Steel Casing, Textured Black
Dimensions	483 x 44 x 150 mm (W x H x D)
Weight	2.2 kg

VEB 32 | Control Output Interface

The VEB 32 provides a means of interfacing and triggering other third party equipment that are not network compliant. The unit provides 60 opto-coupler output trigger, which can be used to trigger external relays and devices.



VEB 32



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Technical Specification

	VEB 32
Network Interface	RJ45, 10/100 Mbps Ethernet TCP/IP
Indicators	Power
Control Input	60 nos. Opto-coupler Control Output
Power Requirements	24Vdc (Regulated), 0.7A (Fuse:1.0A)
Material & Finish	Mild Steel Casing, Textured Black
Dimensions	483 x 44 x 150 mm (W x H x D)
Weight	2.2 kg

VAC 04 | Network Automatic Amplifier Changeover Unit

VAC 08 | Network Automatic Amplifier Changeover Unit

The VAC 04 and VAC 08 Network Automatic Amplifier Changeover unit provides monitoring and surveillance of power amplifiers within a project via the LAN. The unit is capable of monitoring up to 4 units (VAC 04) and 8 units (VAC 08) of power amplifiers for faults. Upon fault detection the unit will automatically changeover the faulty amplifier to a standby amplifier and at the same time report the fault to the Network System Manager or Network Paging Station.



VAC 04



VAC 08



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Technical Specification

	VAC 04	VAC 08
Network Interface	10/100 Mbps Ethernet TCP/IP	10/100 Mbps Ethernet TCP/IP
No. of channels per unit	4 Channels Duty, 1 Standby	8 Channels Duty, 1 Standby
Max. power handling per channel	1200 W	1200 W
Indicators	Power, 5 Bi-Colour indicators for 4 Duty and 1 Standby amplifier status	Power, 9 Bi-Colour indicators for 8 Duty and 1 Standby amplifier status
Power Requirements	24Vdc (Regulated), 0.33 A (Fuse:1.0A) 24Vdc (Regulated), 0.55 A (Fuse:1.0A)	24Vdc (Regulated), 0.33 A (Fuse:1.0A) 24Vdc (Regulated), 0.55 A (Fuse:1.0A)
Material & Finish	Mild Steel Casing, Black	Mild Steel Casing, Black
Dimensions	483 x 44 x 150 mm (W x H x D)	483 x 44 x 150 mm (W x H x D)
Weight	2.4 kg	2.5 kg

DMX 88 | DSP Matrix 8 Input 8 Output

DMX 1616 | DSP Matrix 16 Input 16 Output

The DMX 88 and DMX 1616 are versatile audio matrix processors that offer robust audio management with 8 and 16 analog inputs and outputs, respectively. These models are equipped with advanced features such as built-in USB sound cards for playback and recording, comprehensive AEC and AFC for echo and feedback suppression, and noise reduction. The devices support up to 8 devices online simultaneously and come with 12-band parametric EQ, GPIO, and extensive control options via RS232, RS485, and UDP protocols. The intuitive PC software interface allows for easy configuration and real-time monitoring, ensuring efficient and effective audio management in various environments.



DMX 88



DMX 1616



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Technical Specification

	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 analog	16 analog
Output Channels	8 analog	16 analog
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	<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



Software Included

DMX 88D | DSP Matrix 8 Input 8 Output DANTE

DMX 1616D | DSP Matrix 16 Input 16 Output DANTE

The DMX 88D and DMX 1616D extend the capabilities of the DMX series with the addition of Dante networking capabilities, offering 8 and 16 Dante inputs and outputs alongside their analog counterparts. These models feature advanced DSP processing, including comprehensive AEC, AFC, and noise suppression, along with 12-band parametric EQ and automatic gain sharing. With robust control options via RS232, RS485, and UDP, as well as support for up to 8 devices online, the DMX 88D and DMX 1616D are ideal for complex audio setups requiring high-quality, low-latency networked audio.



DMX 88D



DMX 1616D



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Technical Specification

	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	16
Analog Output Channels	8	16
Dante Input Channels	8	16
Dante Output Channels	8	16
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



Software Included

DMX SERIES

DMX 3232D | DSP Matrix 32 Input 32 Output DANTE

Navigate diverse audio landscapes effortlessly, from boardrooms to concert halls. Tailor your sonic masterpiece with 32 inputs and 32 outputs, utilizing Dante's robust network audio capabilities. This version transforms venues into immersive audio experiences. Equipped with advanced ADI SHARC 21489 processors, the DSP Matrix series offers unparalleled audio processing with a 40-bit DSP floating-point engine. Key features include configurable processing modules, 12-band parametric EQ with multiple filters, adaptive echo cancellation, and a built-in USB sound card for music playback, recording, and soft video conferencing. Experience high-resolution, low-latency audio that enhances every sound detail.



DMX 3232D



SCAN HERE TO KNOW MORE

Technical Specification

	DMX 3232D
Dante Input Channels	32
Dante Output Channels	32
Processor	ADI SHARC 21489 @ 450 MHz SIMD
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
Configurable Processing Modules	Yes, can be freely modified / altered according to requirements
Simultaneous Online Operation	Up to 8 devices simultaneously
Built-in USB Sound Card	Yes, supports music playback, recording, and software video conferencing (e.g., ZOOM, Tencent Meeting, DingTalk Meeting, etc.)
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
Customizable User Interface	Yes, supports up to 30 devices with the same interface management
Camera Tracking	Yes
GPIO Channels	8
Central Control	Yes, supports RS232, RS485, UDP for overall control of power, signal switching, environmental control, audio, etc. with one-button system activation
Input/Output Quantity	Dante: 32x32
A/D Dynamic Range	Not less than 110dBu
D/A Dynamic Range	Not less than 110dBu
Total Harmonic Distortion (THD+N)	Not less than 0.001% @1kHz, +4dBu
Dimensions	482 x 260 x 45mm
Weight	4KG



Software Included

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



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Technical Specification

	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

DMX SERIES

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



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Technical Specification

	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
Product Dimensions	212.2 x 147.6 x 31mm
Product 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



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Technical Specification

	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

eX 801A | Single CPC Main Frame

The eX 801A houses up to ten module cards and provides them with audio and data buses while distributing the incoming power supply. The eX 801A controls and monitors all operation with integrated front facial indicators for the status of the system such as Power, CPU Off, Error and System Status. The main frame also transmits audio and data informations to the extension frame for additional module cards.



eX 801



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Technical Specification

EX 801A	
Power Requirement	+24 Vdc (Regulated) 1.5 A
No. Of eX 821	1
No. Of eX 881	1
No. Of Card Slot per Frame	10
Indication	Power, CPU Off, Fault, Status
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	483 x 133 x 200 mm (W x H x D)
Weight	2.9 kg

eX 802A | Dual CPC Main Frame

The eX 802A has all the features found in the eX 801A except that it houses an additional Standby Central Processing Card (CPC) which automatically takes over the operation of the Main CPC in the event of a fault. This feature avoids operational down time and eliminates the need to have a fully redundant system as a backup which is much costlier and difficult to maintain.



eX 802A



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Technical Specification

eX 802A	
Power Requirement	+24 Vdc (Regulated) 1.5 A
No. Of eX 821	1
No. Of eX 822	1
No. Of eX 881	1
No. Of Card Slot per Frame	9
Indication	Power, CPU Off, Fault, Status 1, Status 2
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	483 x 133 x 200 mm (W x H x D)
Weight	3.1 kg

eX 803A | Extension Frame

The Extension Frame is used when additional modules cards are needed to cater for a more extensive public address system. An audio & data bus connects the main frame to the extension frame. The eX 803A features ten card slots, Extension Card, Power Supply Inlet Card and a front facial Power Indicator.



eX 803A



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Technical Specification

eX 803A	
Power Requirement	+24 Vdc (Regulated) 1.5 A
No. Of eX 881	1
No. Of eX 824	1
No. Of Card Slot per Frame	10
Indication	Power
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	483 x 133 x 200 mm (W x H x D)
Weight	2.7 kg

eX 811A | Control Manager

The eX 811A Control Manager is the proprietary software which is exclusively integrated with the eX 800A Series to enable the user to configure and customize the eMatrix System to suite its application. It allows user to configure input channel, output zones, time scheduler, failure output patterns, system diagnosis settings and many other functions. The Control Manager supports up to 3500 event logs, which records the system's activities and faults. Moreover, the software enables the user to perform tests to check the status of audio path, hardware cards and so on. It also provides a constant monitoring system so that the eMatrix System is in optimum working condition. For security reason, the software provides 3-level password protection and any login will automatically be detected by the software when the password is entered.



eX 811A

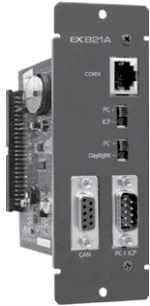


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EX800A SERIES

eX 821A | Central Processing Card

The eX 821A coordinates the activities of the module cards and performs the automated simultaneous voice evacuation during emergency. The card has a built-in Real Time Clock, CPU fault detection circuit and it is also able to communicate with the other range of firemen interface equipments by AEX System.



eX 821A



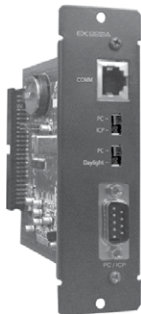
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Technical Specification

eX 821A	
Connector	1 No. RJ 45 Connector 1 No. DB9 Male Connector 1 No. DB9 Female Connector
Switch	Daylight Saving Setting & ICP/PC Setting
Power Requirement	+24 Vdc (From Backplane), 650 mA
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	35.5 x 128 x 173 mm (W x H x D)
Weight	130 g

eX 822A | Central Processing Card 2

The eX 822A works as a hot-standby Central Processing Card (CPC) for the eX 821A. The module slots into a dedicated slot in the eX 802A Dual CPC Main Frame and monitors the operation of the primary CPC. In the event of failure to the primary CPC, the secondary CPC will automatically take over the entire operation. The switchover is instantaneous while an audible warning is emitted in the event of failure for rectification work. Every event is logged for reporting and available for print-out from the GUI.



eX 822A



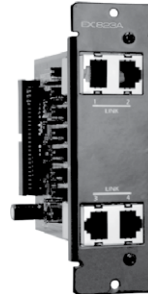
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Technical Specification

eX 822A	
Connector	1 No. RJ 45 Connector 1 No. DB9 Male Connector
Switch	Daylight Saving Setting & ICP/PC Setting
Power Requirement	+24 Vdc (From Backplane), 650 mA
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	45 x 128 x 173 mm (W x H x D)
Weight	160 g

eX 823A | Main Frame Extension Card

This card provides output terminals to extend the audio and data buses from the main frame to the additional modules housed in the extension frame.



eX 823A



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Technical Specification

eX 823A	
Connector	4 Nos. RJ 45 Connector
Power Requirement	+24 Vdc (From Backplane), 100 mA
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	35.5 x 128 x 173 mm (W x H x D)
Weight	310 g

eX 824A | Extension Frame Extension Card

This card receives audio and data signals from the eX 823A and extends them to the modules housed in the extension frame. It also extends the audio and data buses from the extension frame to the next extension frame.



eX 824A



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Technical Specification

eX 824A	
Connector	8 Nos. RJ 45 Connector
Power Requirement	+24 Vdc (From Backplane), 80 mA
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	45 x 128 x 173 mm (W x H x D)
Weight	190 g

EX800A SERIES

eX 831A | Auxiliary Input Card

The eX 831A provides two auxiliary inputs for sources such as background music, digital messages and microphones with jumper settings for a wide range of input levels and individual gain potentiometer. The card can also provide phantom power to a condenser microphone if required.



eX 831A



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Technical Specification

eX 831A	
No. Of Channel	2
Input Sensitivity	MIC : -70 to -45 dB (adjustable) with built in Audio Limiter 600 ohm unbalanced LINE: -20 to +8 dB (adjustable) 10kohm balanced MIC or LINE selectable by the built-in jumper
Low Frequency Filter (100 Hz)	-15 dB to +15 dB Boost & Cut (adjustable)
High Frequency Filter (10 kHz)	-15 dB to +15 dB Boost & Cut (adjustable)
Distortion	< 0.5 %
Frequency Response	20 Hz – 20 kHz
Phantom Power	+7.5 V
Control Input	Dry Contact Activation
Control	2 Nos. Volume Control
Connector	2 Nos. RJ 45 Connector
Power Requirement	+24 Vdc (From Backplane) 30 mA
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	35.5 x 128 x 173 mm (W x H x D)
Weight	157 g

eX 834A | Microphone Input Card

The eX 834A provides two inputs for the eX 800A Series: Microphones. Each input is able to communicate up to eight Remote Microphones or a combination of four Emergency Microphones and four Remote Microphones.



eX 834A



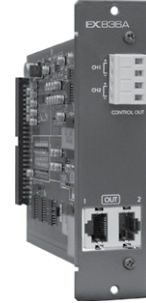
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Technical Specification

eX 834A	
No. Of Channel	2
Connectable Microphone	eX 865, eX 866, eX 867, eX 868, eX 861, eX 862, eX 863, eX 864
Connector	2 Nos. RJ 45 Connector
Power Requirement	+24 Vdc (From Backplane), 100 mA
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	35.5 x 128 x 173 mm (W x H x D)
Weight	158 g

eX 836A | Audio Output Card

The eX 836A provides two 0 dB electronically balanced audio outputs with individual gain control via the Control Manager software. A dry contact output is available to provide external control which can be used for overriding the audio attenuator when the channel is activated. The module either connects directly to the power amplifier inputs or through the automatic amplifier changeover unit for amplifier changeover purposes.



eX 836A



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Technical Specification

eX 836A	
No. Of Channel	2
Output Level & Impedance	0 dBV 600 ohm, Balanced
Control Output	NO or NC Dry Contact (max. 30 Vdc, 250 mA)
Connector	2 Nos. RJ 45 Connector 1 No. Panel Feed Through Connector
Power Requirement	+24 Vdc (From Backplane), 150 mA
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	45 x 128 x 173 mm (W x H x D)
Weight	202 g

eX 841A | Control Input Card

The eX 841A provides up to 16 opto-isolated control sensor inputs to receive external dry contact signals which will be transmitted to the Central Processing Unit to perform the next instruction.



eX 841A



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Technical Specification

eX 841A	
No. Of Channel	16
Sensing Method	Dry Contact or Current Loop (jumper selectable)
Dry Contact Method	NO or NC Dry Contact (jumper selectable)
Current Loop Method	Released Voltage 24 Vdc, 5 mA
Connector	4 Nos. RJ 45 Connector
Power Requirement	+24 Vdc (From Backplane), 100 mA
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	45 x 128 x 173 mm (W x H x D)
Weight	158 g

EX800A SERIES

eX 842A | Control Output Card

The eX 842A Control Output Card provides up to 16 make/break relay dry contact output signals to any external system. Each contact is able to withstand a voltage of up to 24 Vdc, 250 mA.



eX 842A



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Technical Specification

eX 842A	
No. Of Channel	16
Triggering Method	NO or NC Dry Contact (jumper selectable)
Withstand Voltage	24 Vdc, 250 mA
Connector	4 Nos. RJ 45 Connector
Power Requirement	+24 Vdc (From Backplane), 320 mA
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	35.5 x 128 x 173 mm (W x H x D)
Weight	230 g

eX 881A | Power Supply Inlet Card

The eX 881A Power Supply Inlet Card accepts regulated 24 Vdc power supply through its 3 pin terminal block, which includes an earth termination.



eX 881A



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Technical Specification

ex 881A	
Power Handling	24 Vdc (Regulated), 1.5 A
Connector	1 No. 3 Pin Terminal Block
Protection	Fast blow glass tube fuse - 1.5 A DC Fuse, Short
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	19.5 x 128 x 173 mm (W x H x D)
Weight	100 g

eX 874A | Blank Panel

The blank panel is used to cover any unused slots in the frame to prevent foreign objects from entering the enclosure.



eX 874A



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Technical Specification

eX 874A	
Material & Finish	Mild Steel; Epoxy Coated Steele Blue (RAL 5011)
Dimensions	35.5 x 128 x 173 mm (W x H x D)
Weight	20 g

EX800A SERIES

eX 861A | Emergency Microphone eX 863A | Emergency Microphone

eX 862A | Emergency Microphone eX 864A | Emergency Microphone

The Emergency Microphones are equipped with programmable function keys to perform zone selection, group selection and matrix functions. The models comes with an Emergency Confirm and a Cancel button with latched covers. The units are connected to the main system, via RS 485 up to 1.2 km. All models feature built-in chime, audio gain control and 20 kHz pilot signal. An auto mic off feature monitors the microphone for inactivity and automatically shuts it off to prevent the unit from occupying the system.



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Technical Specification

	eX 861A	eX 862A	eX 863A	eX 864A
Output Level & Impedance	0 dBV 600 ohm, Balanced			
Gooseneck Microphone	Unidirectional Electret Condenser Microphone			
Distortion	< 1 %			
Frequency Response	100 Hz ~ 20 kHz			
Signal-to-Noise Ratio	> 60 dB			
Internal Monitor Speaker	0.5 W			
Volume Control	Microphone Level Control, Monitor Speaker Level Control, Siren Level Control, Pilot Tone Level Control			
Auto Mic Off	15 secs to 2 mins			
No. Of Programmable Fns.	10	20	40	120
No. Of Connectable Units	4			
Communication Protocol	RS 485			
Connector	RJ45, panel feed through connector			
Communication Distance	1.2 km (Shielded Cable)			
Power Requirement	24 Vdc (Regulated), 0.18 A	24 Vdc (Regulated), 0.2 A	24 Vdc (Regulated), 0.2 A	24 Vdc (Regulated), 0.32 A
Material & Finish	ABS Resin & Aluminium, Epoxy Coated Black			
Dimensions	265 x 64.5 x 185 mm (W x H x D)	210 x 64.5 x 185 mm (W x H x D)	210 x 64.5 x 185 mm (W x H x D)	480 x 64.5 x 185 mm (W x H x D)
Weight	1.3 kg	1.3 kg	1.3 kg	2.0 kg

EX800A SERIES

eX 865A | Remote Microphone

eX 867A | Remote Microphone

eX 866A | Remote Microphone

eX 868A | Remote Microphone

The Remote Microphones are equipped with programmable function keys to perform zone selection, group selection and matrix functions. The units are connected to the main system via RS 485 up to 1.2 km. All models feature built-in chime, audio gain control and 20 kHz pilot signal for audio path diagnosis. An auto mic off feature monitors the microphone for inactivity and automatically shuts it off to prevent the unit from occupying the system.



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eX 865A

eX 866A

eX 867A

eX 868A

Technical Specification

	eX 865A	eX 866A	eX 867A	eX 868A
Output Level & Impedance	0 dBV 600 ohm, Balanced			
Gooseneck Microphone	Unidirectional Electret Condenser Microphone			
Distortion	< 1 %			
Frequency Response	100 Hz ~ 20 kHz			
Signal-to-Noise Ratio	> 60 dB			
Internal Monitor Speaker	0.5 W			
Volume Control	Microphone Level Control, Monitor Speaker Level Control, Siren Level Control, Pilot Tone Level Control			
Auto Mic Off	15 secs to 2 mins			
No. Of Programmable Fns.	10	20	40	120
No. Of Connectable Units	8 (Including Emergency Microphone)			
Communication Protocol	RS 485			
Connector	RJ 45, Plug in Screw Terminal			
Communication Distance	1.2 km			
Power Requirement	24 Vdc (Regulated), 0.18 A	24 Vdc (Regulated), 0.19 A	24 Vdc (Regulated), 0.23 A	24 Vdc (Regulated), 0.18 A
Material & Finish	ABS Resin & Aluminium, Epoxy Coated Steele Blue (RAL 5011)			
Dimensions	210 x 64.5 x 185 mm (W x H x D)	210 x 64.5 x 185 mm (W x H x D)	210 x 64.5 x 185 mm (W x H x D)	430 x 64.5 x 185 mm (W x H x D)
Weight	1.2 kg	1.2 kg	1.2 kg	1.8 kg

BA 1015 | Power Amplifier **BA 1048 | Power Amplifier**
BA 1030 | Power Amplifier

AEX System BA series Power Amplifiers are specially designed to provide amplification for all audio signals after a preamplifier, matrix or any Network Audio Extracts. It uses the high quality and robust Class AB circuit. The Power amplifiers provide wide frequency response, low THD+Noise and high Signal-to-Noise ration. It is coupled with a sensitive resettable fuse for over current protection. The BA series uses the toroidal transformer technology that reduces electromagnetic noise and improves power efficiency.

The Input connector is a screw terminal block that eases the Power amplifiers to be connected in parallel configuration. There are 3 models in the BA series Power Amplifier; BA 1015 150W Power Amplifier; BA 1030 300W Power Amplifier and BA 1048 480W Power Amplifier.

Robust Build and Reliability: The BA series Power Amplifiers are built to last, featuring robust construction and high-quality components. The rugged design ensures that they can withstand the demands of continuous operation in various audio environments. This durability makes them a reliable choice for both professional audio installations and enthusiasts who expect their audio equipment to perform consistently over the long term.



Technical Specification

	BA 1015	BA 1030	BA 1048
Output Power	1 x 150 W	1 x 300 W	1 x 480 W
Frequency Response	40 Hz to 18 kHz within ±3dB (1kHz ref.)		
Total Harmonic Distortion	Less than 1%		
Signal-to-Noise Ratio	>80 dB		
Input Connections (per channel)	Terminal Block		
Input Level	0 dB		
Input Impedance	10 kΩ (balanced)		
Max Load Impedance (per channel)	66.7 Ω	33.3 Ω	20.8 Ω
Power Consumption at rated output	210 W	355 W	624 W
Power Requirement	220 - 240 V AC mains 50/60 Hz or 24 V DC		
Operating Temperature	-10 C to 40 C		
Storage Temperature	0 C to 70 C		
Relative Humidity	< 95%		
Material & Finish	Mild Steel Casing, Epoxy Coated Textured Black		
Dimensions	483 x 87 x 270mm (W x H x D)		
Weight	6.4 kg	7.8 kg	9.4 kg



- [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)



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Technical Specification

	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)						
Power Efficiency	Super High Efficiency of >92%						
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	484 x 44 x 383 mm (W x H x D)						
Weight	6.9 kg	6.9 kg	6.9 kg	7 kg	7 kg	7.2 kg	7.2 kg



AC 04S | Automatic Amplifier Changeover Unit

AC 08S | Automatic Amplifier Changeover Unit

AC 04S & AC 08S provides supervision of duty amplifiers and provides automatic changeover of faulty amplifiers to a standby amplifier. The AC 04S is capable of monitoring 4 duty amplifiers with automatic changeover to 1 standby amplifier while the AC 08S is capable of monitoring up to 8 Duty amplifiers with changeover to 1 standby amplifier. The standby amplifier will back-up the duty amplifiers on a first come first serve basis. The unit also provides aural and visual indication to notify users of faulty amplifier.



AC 04S



AC 08S



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Technical Specification

	AC 04S	AC 08S
Connected Power Handling Per Zone	1200 W per channel	1200 W per channel
No. of channels per unit	4 Channels Duty, 1 Standby	8 Channels Duty, 1 Standby
Connectors Power I/O (100V Line) I/O (Line Level) & Fault	2-Way Panel Feed Through Connector 4-Way Panel Feed Through Connector RJ 45 Socket	2-Way Panel Feed Through Connector 4-Way Panel Feed Through Connector RJ 45 Socket
Indicators	Power, 5 Bi-Colour indicators for 4 Duty & 1 Standby amplifier status	Power, 9 Bi-Colour indicators for 8 Duty & 1 Standby amplifier status
Power Requirements	24Vdc (Regulated), 0.28 A (Fuse:1A)	24Vdc (Regulated), 0.5 A (Fuse:1A)
Material & Finish	Mild Steel Casing, Epoxy Coated, Textured Black	Mild Steel Casing, Epoxy Coated, Textured Black
Dimensions	483 x 44 x 150 mm (W x H x D)	483 x 44 x 150 mm (W x H x D)
Weight	2.3 kg	2.4 kg

LS 12A | Speaker Line Selector

The unit provides users the flexibility to manage announcements and background music within all the zones in a project. Utilizing an array of relays, the unit has 12 buttons on the facial for manual control of the 12 available speaker zones allowing the zones to be switched ON or OFF. The LS 12A also comes with an additional ALL CALL button which automatically selects all 12 zones on the unit for added convenience.



LS 12A



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Technical Specification

	LS 12A
Connector	100V line : 2.5mm Plug-in screw type, Panel feedthrough terminal block
Switch Buttons	12 nos. push buttons for line selection 1 no. ALL CALL button
Indicators Type	Green LED indicator for each zone
Max. Current Handling	5A (500W) per zone
Power Requirement	24 Vdc Regulated, 0.25 A (Fuse : 1.0 A)
Material & Finish	Mild Steel; Epoxy Coated; Black
Dimensions	483 x 44 x 150 mm (W x H x D)
Weight	2 kg

LM 08 | Line Supervisory Unit

The LM 08 Line Supervisory Unit provides real-time monitoring and surveillance for 8 loudspeaker lines, up to a distance of 1 km, monitoring for short circuits, open circuits and ground leaks. Utilising impedance checking methodology, the unit allows for monitoring of branched loudspeaker network and audio attenuator insertion with minimal setup requirements. An LCD display provides a simple user-friendly interface for setup and monitoring. The unit is capable of interfacing with other equipment via RS 485 for remote monitoring, fault event logging and fault notification.



LM 08



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Technical Specification

	LM 08
Connected Power Handling Per Zone	Up to 500 W rms max
Nos. Of Channels per Unit	8 channels
Connectors Power : Control & Overriding Power : Communication : I/O (100 V Line) : Priority & Volume Overriding	1 no. 2-Way Panel Feed Through Connector 1 no. 4-Way Panel Feed Through Connector 1 no. Double Deck RJ 45 Socket 8 nos. 4-Way Panel Feed Through Connector 8 nos. 4-Way Panel Feed Through Connector
Control	Selection Button (Enter, Clear, Up, Down, Left, Right)
Control Output	Withstand Voltage, 24 Vdc, 40 mA (Fault Trigger) Withstand Voltage, 24 Vdc, 1 A (Attenuator Override Output)
Interval Timer Duration	1 min, 5 mins, 1 hour, and 24 hours
Indicators	2 x 16 Characters LCD Display
Power Requirements	24 Vdc (Regulated), 500 mA
Material & Finish	Mild Steel; Textured Black
Dimensions	483 x 44 x 200 mm (W x H x D)
Weight	3 kg

CONTROL & MONITORING

- [AT 06L | Audio Attenuator](#) [AT 30S | Audio Attenuator](#)
[AT 06S | Audio Attenuator](#) [AT 120S | Audio Attenuator](#)
[AT 60S | Audio Attenuator](#)

The ATS Series Audio Attenuator are aesthetically designed to blend into most architectural surrounding without any matching complications with other electrical fittings. The units are constructed from high impact ABS material with a white matte finish, making the units highly durable while complementing most walls' surface finishing. Apart from its aesthetic aspects, serious thought has been put into the safety aspect of the ATS Series, bearing in mind that each unit comes with a built-in overriding relay, which when triggered will automatically set the output level to maximum.



[AT 06S](#) [AT 120S](#)
[AT 30S](#) [AT 06L](#)
[AT 60S](#)



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Technical Specification

	AT 06S	AT30S	AT60S	AT120S	AT 06L
Maximum Power Handling	6 W	30 W	60 W	120 W	6 W
Attenuation	5 Level of -6 dB per step (0dB, -6dB, -12dB, -18dB, -∞ dB)				
Maximum Insertion Loss	-0.5dB				
Emergency Override	24 Vdc	24 Vdc	24 Vdc	24 Vdc	24 Vdc
Material & Finish	ABS Resin, White				
Dimensions (W x H x D)	86 x 86 x 26 mm	86 x 86 x 36 mm	86 x 86 x 44 mm	86 x 86 x 44 mm	86 x 86 x 26 mm
Weight	0.08 kg	0.25 kg	0.30 kg	0.32 kg	0.08 kg

AP 01 | Local Source Patch Panel

The AP Series serves as a patch-in panel for a local 100V line source to the loudspeakers connected to it. The units also come with overriding relay for emergency overriding of the local source.

AP 01



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Technical Specification

	AP 01
Maximum Power Handling	120 W (100V)
Emergency Override	24 Vdc
Material & Finish	ABS Resin, White
Dimensions	86 x 86 x 32 mm (W x H x D)
Weight	0.07 kg

ASM 101S | ATS Flush Mounting Back Box

ASM 101S is an optional accessories for The ATS Series Audio Attenuator. Easy to install, ASM 101S is the perfect flush mounting back box for AP Series as well as ATS Series.

ASM 101S



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Technical Specification

	ASM 101S
Material & Finish	ABS Resin, White
Dimensions	70 x 70 x 48 mm (W x H x D)

AT 5120 | 5-Channel 120W Audio Attenuator

AT 5200 | 5-Channel 200W Audio Attenuator

The AT 5120 5-Channel 120W Audio Attenuator and the AT 5200 5-Channel 200W Audio Attenuator are rack-mount equipment designed to provide individual channels of audio attenuation, allowing volume adjustment of the 100V loudspeaker lines from the equipment room. The AT 5120 supports up to 120W of power per channel, while the AT 5200 can handle up to 200W per channel. Each channel in both units comes with its own built-in overriding relay, which when triggered, automatically sets the output level to maximum. These relays can be individually activated via the emergency overriding input located on the rear of each unit. Additionally, each channel is equipped with 5 steps of attenuation from the OFF position to a maximum of 0dB, controlled via a rotary selector switch at the front of the unit, ensuring flexible and precise control over sound levels.



AT 5120



AT 5200



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Technical Specification

	AT 5120	AT 5200
Maximum Power Handling	120W- 100V Line per channel (AT 5120),	200W - 100V Line per channel (AT 5200)
Attenuation	5 Levels Attenuation	5 Levels Attenuation
Maximum Insertion Loss	-0.5 dB	-0.5 dB
Emergency Override	24 Vdc	24 Vdc
Material & Finish	Mild Steel; Epoxy Powder Coated Textured Black	Mild Steel; Epoxy Powder Coated Textured Black
Dimensions	484 x 44 x 210 mm (W x H x D)	484 x 44 x 210 mm (W x H x D)
Weight	4.2 kg	5.2 kg

CONTROL & MONITORING

AM 10S | Amplifier Monitoring Panel

The AM 10S Amplifier Monitoring Panel provides aural and visual monitoring of the output from the power amplifier, designed for 100V line distributed speaker system. The AM 10S allows the selection of any one of up to 10 power amplifier outputs to be monitored. Visual indication is provided by a VU meter that indicates the output level of the power amplifier. Aural monitoring is provided by a high quality dynamic full range loudspeaker built into the enclosure of the unit. It is 19" EIA standard rack mountable and only takes up 1U space.



AM 10S



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Technical Specification

	AM 10S
Control	Source Selector : 10 interlocking switches Audio Control : Stepless volume control
Input Impedance	5 kΩ
Loudspeaker Component	50 mm Dynamic Full Range
Power Handling	10W Max Rating (2W nominal)
Level Meter	35 x 20 mm VU Meter
Material & Finish	Mild Steel; Black
Dimensions	483 x 44 x 150 mm (W x H x D)
Weight	2.2 kg

PS 06 | Power Supply Unit

The PS 06 Power Supply Unit provides regulated 24 Vdc power supply up to a maximum of 6 amperes. Utilizing solid state technology it features protection against short circuit and overloading. There is a provision in the PS 06 to allow for connection to an array of batteries for backup power supply, in the event of AC power failure, the battery power automatically switches to supply the equipments connected to the power supply unit.



PS 06



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Technical Specification

	PS 06
Input	220 ~ 240 Vac; 50 Hz 24 Vdc Battery Backup
Output	24 Vdc (Regulated), 6A (Fuse : 2A, 6A)
Regulation	+/- 0.5 Vdc, 0.1 V ripple max.
Protection	Solid state & fast blow glass tube fuse DC Fuse Rating : 6A, Short AC Fuse Rating : 2A, Short
Indicators	AC mains fault ~ Red LED Power ON ~ Green LED Backup Power ~ Green LED
Material & Finish	Mild Steel; Black
Dimensions	215 x 44 x 150 mm (W x H x D)
Weight	1.4 kg

PS 05MB | 1 Unit Rack Mounting

Consisting of 2 ear pieces and mounting screws, the PS 05MB is used for front mounting a single unit PS 06 to a 19" EIA standard equipment rack.



PS 05MB

PS 06MB | 2 Unit Rack Mounting

Consisting of 2 ear pieces, attaching plate and mounting screws, the PS 06MB is used for front mounting two units of PS 06 to a 19" EIA standard rack.



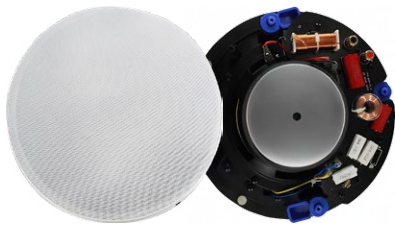
PS 06MB

HC 522 | 2-Way HiFi In-Ceiling Speaker

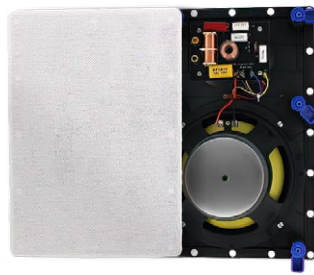
HC 523 | 2-Way HiFi In-Wall Speaker

HC 524 | Double 2-Way HiFi In-Wall Speaker

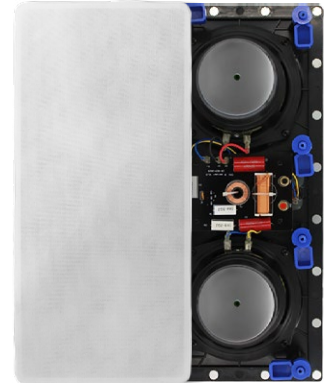
Explore premium audio discreetly with our Hifi In-Ceiling/In-Wall Speaker category, featuring the HC Series HiFi 5inch – a pinnacle of acoustic excellence. This series/model name represents a meticulous fusion of high-fidelity sound and seamless integration. Immerse yourself in a refined auditory experience, whether hidden in your ceiling or wall. Elevate your home audio setup with the HC Series HiFi 5inch, where sophisticated design meets uncompromising sound quality, setting a new standard for in-ceiling and in-wall speakers in the Hifi category.



HC 522



HC 523



HC 524

Technical Specification

	HC 522	HC 523	HC 524
Rated Input	20W-10W-5W 100V/8Ω	20W-10W-5W 100V/8Ω	50W-25W-12.5W 100V/8Ω
Impedance	500/1.0 kΩ/2.0 kΩ/8 ohms	500/1.0 kΩ/2.0 kΩ/8 ohms	200/400/800/8 ohms
Specification	5.25" 2-way Hi-Fi in-ceiling speaker	5.25" 2-way Hi-Fi in-wall speaker	Double 5.25" 2-way Hi-Fi in-wall speaker
Type	In-Ceiling Speaker	In-Wall Speaker	In-Wall Speaker
Frequency Response	65Hz-20KHz	65Hz-20KHz	70Hz-20KHz
RMS Power	40 W	40 W	50 W
Impedance	8 ohms	8 ohms	8 ohms
Sensitivity (1w/1m)	86 dB	86 dB	90 dB
Woofers	5.25" kevlar woven cone	5.25" kevlar woven cone	Double 5.25" kevlar woven cone
Tweeter	0.76" silk dome, pivoting	0.76" silk dome, pivoting	0.76" silk dome, pivoting
Tweeter Equalizer	+2dB/-2dB	+2dB/-2dB	+2dB/-2dB
Enclosure Material	ABS	ABS	ABS
Grill Material	Steel	Steel	Steel
Cutout Dimensions	Dia. 180 mm	252 x 152mm	384 x 155mm
Over Dimensions	Dia. 218 x 88 mm	290 x 190 x 84 mm	Depth with 1/2" drywall: 75mm, Overall Dimensions: 425 x 197 x 80mm



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MUSIC SPEAKERS

CEILING MOUNT

HC 632 | 2-Way HiFi In-Ceiling Speaker

HC 633 | 2-Way HiFi In-Wall Speaker

Introducing the HC Series HiFi 6inch, a pinnacle in our HiFi In-Ceiling/In-Wall Speaker category. This series/model name signifies a meticulous blend of high-fidelity sound and seamless integration, setting a new standard for audio excellence. Immerse yourself in a refined auditory experience with this speaker discreetly nestled in your ceiling or wall. Elevate your home audio setup with the HC Series HiFi 6inch, where sophisticated design meets uncompromising sound quality, delivering an immersive listening experience that redefines expectations in the HiFi In-Ceiling/In-Wall Speaker category.



HC 632



HC 633

Technical Specification

	HC 632	HC 633
Rated Input	30W-15W-7.5 100V/8Ω	30W-15W-7.5W 100V/8Ω
Impedance	333/666/1.33 kΩ /8 ohms	333/666/1.33 kΩ /8 ohms
Specification	6.5" 2-way Hi-Fi in-ceiling speaker	6.5" 2-way Hi-Fi in-wall speaker
Type	In-Ceiling Speaker	In-Wall Speaker
Frequency Response	60Hz-20KHz	60Hz-20KHz
RMS Power	60 W	60 W
Impedance	8 ohms	8 ohms
Sensitivity (1w/1m)	88 dB	88 dB
Woofer	6.5" kevlar woven cone	6.5" kevlar woven cone
Tweeter	0.76" silk dome, pivoting	0.76" silk dome, pivoting
Tweeter Equalizer	+2dB/-2dB	+2dB/-2dB
Enclosure Material	ABS	ABS
Grill Material	Steel	Steel
Cutout Dimensions	Ø 208 mm	282 x 182mm
Over Dimensions	Ø248 x 97mm	323 x 223 x 88 mm

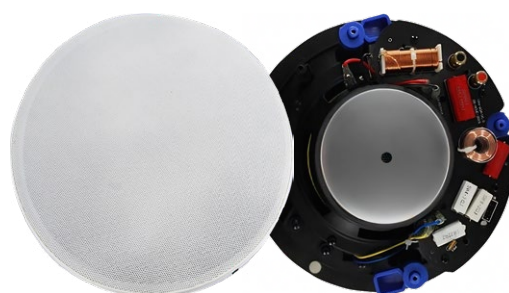


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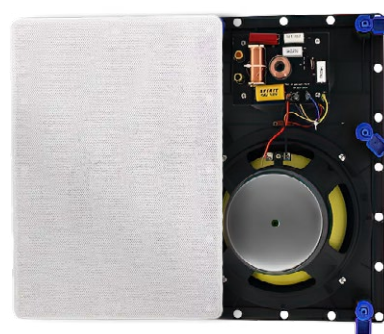
HC 852 | 2-Way HiFi In-Ceiling Speaker

HC 853 | 2-Way HiFi In-Wall Speaker

Introducing the HC Series HiFi 8inch, the epitome of audio excellence in our HiFi In-Ceiling/In-Wall Speaker category. This series/model name represents an impeccable fusion of high-fidelity sound and seamless integration, setting a new benchmark for superior audio quality. Immerse yourself in a refined auditory experience, discreetly embedded in your ceiling or wall. Elevate your home audio setup with the HC Series HiFi 8inch, where sophisticated design harmonizes with uncompromising sound, delivering an immersive listening encounter that redefines expectations in the HiFi In-Ceiling/In-Wall Speaker category.



HC 852



HC 853

Technical Specification

	HC 852	HC 853
Rated Input	50W-25W-12.5W 100V/8Ω	50W-25W-12.5W 100V/8Ω
Impedance	200/400/800/8 ohms	200/400/800/8 ohms
Specification	8" 2-way Hi-Fi in-ceiling speaker	8" 2-way Hi-Fi in-wall speaker
Type	In-Ceiling Speaker	In-Wall Speaker
Frequency Response	45Hz-20KHz	45Hz-20KHz
RMS Power	80 W	80 W
Impedance	8 ohms	8 ohms
Sensitivity (1w/1m)	88 dB	88 dB
Woofer	8" kevlar woven cone	8" kevlar woven cone
Tweeter	0.76" silk dome, pivoting	0.76" silk dome, pivoting
Tweeter Equalizer	+2dB/-2dB	+2dB/-2dB
Enclosure Material	ABS	ABS
Grill Material	Steel	Steel
Cutout Dimensions	Ø 248 mm	322 x 222 mm
Over Dimensions	Ø286 x 108 mm	363 x 263 x 108 mm



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MUSIC SPEAKERS

CEILING MOUNT

HC 631 | High Quality Coaxial Ceiling Speaker

HC 631E | High Quality Coaxial Ceiling Speaker

The H series speaker range is specifically engineered to support high-quality public address (PA) system requirements in venues such as hotels, conference rooms, lecture halls, auditoriums, museums, galleries, restaurants, and bars. These speakers are ideal for centralized PA systems that require multiple speakers in a single zone, utilizing High Impedance solutions for effective sound distribution. For environments that benefit from distributed sound for superior music reproduction, Low Impedance speaker solutions are recommended. The H series offers the versatility to customize your PA system to meet the specific needs of any installation.



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HC 631



HC 631E

Technical Specification

	HC 631	HC 631E
Rated Input	100V : (30 - 15 - 7.5 W) 70V : (15 - 7.5 - 3.8 W)	100V : (30 - 15 - 7.5 W) 70V : (15 - 7.5 - 3.8 W)
Rated Impedance	330Ω (330 - 670 - 1300 Ω)	330Ω (330 - 670 - 1300 Ω) / 8Ω
Maximum Power	45W	45W
Frequency Response (-10 dB)	35 - 20kHz	35 - 20kHz
Frequency Response (-3dB)	60 - 18kHz	60 - 18kHz
Sensitivity 1W @ 1m	92 / 107 dB	92 / 107 dB
Coverage Angle (1kHz, -6dB)	130 °	130 °
Speaker Component	160 mm 2-Way Coaxial Loudspeaker	160 mm 2-Way Coaxial Loudspeaker
Safety	Acc. to EN 60065	Acc. to EN 60065
Material & Finish	Frame: ABS, white Grille: Treated Steel Mesh, white	Frame: ABS, white Grille: Treated Steel Mesh, white Enclosure: ABS, white
Dimensions	Dia. 230 x 75 mm	Dia. 260 x 178 mm
Weight	1 kg	2 kg

HC 831 | High Quality Coaxial Ceiling Speaker

HC 831E | High Quality Coaxial Ceiling Speaker

The H Series 8-inch speakers, featuring a powerful 30W output, are designed specifically for the varied requirements of PA system deployments. These speakers are ideal for applications such as public address in hotels, conference rooms, and auditoriums, ensuring clear and effective communication. Options include High Impedance for centralized PA systems, Low Impedance for excellent distributed sound coverage, or Wireless for flexible, cable-free setups. With the H Series 8-inch speakers, benefit from the ability to customize your PA system configuration, providing tailored audio solutions that meet the specific needs of your environment.



HC 831



HC 831E

Technical Specification

	HC 831	HC 831E
Rated Input	100 V : 30W (30 - 15- 7.5 W) 70 V : 15 W (15 - 7.5 - 3.8 W)	100 V : 30W (30 - 15- 7.5 W) 70 V : 15 W (15 - 7.5 - 3.8 W)
Rated Impedance	330 Ω (330 - 670 - 1330 Ω)	330 Ω (330 - 670 - 1330 Ω)
Maximum Power	40 W	40 W
Frequency Response	55 Hz - 20 kHz	55 Hz - 20 kHz
Sensitivity 1W @ 1m	96 / 108 dB	96 / 108 dB
Coverage Angle (1kHz, -6dB)	120 °	120 °
Speaker Component	200 mm 2-Way Coaxial Loudspeaker	200 mm 2-Way Coaxial Loudspeaker
Safety	EN 62368-1	EN 62368-1
Material & Finish	Frame: ABS Grille: Treated Steel Mesh	Frame: ABS Grille: Treated Steel Mesh Enclosure: Steel
Dimensions	Dia. 275 x 95 mm	Dia. 275 x 180 mm
Weight	2.3 kg	3.3 kg



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MUSIC SPEAKERS

CEILING MOUNT

HC 851 | High Quality Coaxial Ceiling Speaker

HC 851E | High Quality Coaxial Ceiling Speaker

The H series speaker range is expertly engineered to meet the expanding requirements of public address (PA) systems, particularly in venues such as hotels, conference rooms, lecture halls, auditoriums, museums, galleries, restaurants, and bars. These speakers offer unparalleled flexibility, allowing installers to tailor sound systems to specific environments within the PA domain, ensuring the highest quality of audio reproduction for clear, effective communication. The HC 851 Series Coaxial Ceiling Loudspeakers are highly regarded for their excellent vocal clarity and ability to handle a wide range of audio frequencies, thanks to dedicated transducers for both high and low frequencies. Designed for discreet integration, their slim profile grille and fine metal mesh enable the speakers to blend seamlessly into any setting, making them ideal for any location where both aesthetics and functionality are crucial to a PA system's success.



HC 851

HC 851E

Technical Specification

	HC 851	HC 851E
Rated Input	100 V : 50 W (50 - 25 - 12.5 - 6.25 W)/8 Ω 70 V : 25 W (25 - 12.5 - 6.25 - 3.2 W)/8 Ω	100 V : 50 W (50 - 25 - 12.5 - 6.25 W)/8 Ω 70 V : 25 W (25 - 12.5 - 6.25 - 3.2 W)/8 Ω
Rated Impedance	200 Ω (200 - 400 - 800 - 1200 Ω)	200 Ω (200 - 400 - 800 - 1200 Ω)
Maximum Power	50 W	50 W
Frequency Response	55 Hz - 20kHz	55 Hz - 20kHz
Sensitivity 1W @ 1m	94 / 106 dB	94 / 106 dB
Coverage Angle (1kHz, -6dB)	120 °	120 °
Speaker Component	275 mm 2-Way Coaxial Loudspeaker	275 mm 2-Way Coaxial Loudspeaker
Safety	Acc. to EN 60065	Acc. to EN 60065
Material & Finish	Frame: ABS Grille: Treated Steel Mesh	Frame: ABS Grille: Treated Steel Mesh Enclosure: Steel
Dimensions	Dia. 275 x 105 mm	Dia. 275 x 175 mm
Weight	2 kg	3 kg



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MUSIC SPEAKERS

CEILING MOUNT

CX 530-BT | Bluetooth Ceiling Speaker

CX 530 | Ceiling Speaker (Slave)

The CX530-BT is a truly flexible Bluetooth Ceiling Speaker system that is suitable to complement the Business Audio Solution AEX System introduced. The unit has a built-in Bluetooth module that can pair to any smartphones, iPod, tablet or any Bluetooth enabled device, be it iOS or Android. Once it is paired, it allows Bluetooth music to be played from any mobile devices on the fly. The CX530-BT consists of a 5.25" loudspeaker driver, capable of providing high fidelity music reproduction. It can be paralleled to up to 3 slave 8-ohm passive coaxial CX 530 speakers for larger area coverage. Its simple and easy to install design makes it a suitable high quality music and audio solution for restaurants, cafes, hotel guest room, offices, gym, and spa.



CX 530-BT

CX 530

Technical Specification

	CX 530-BT	CX 530-Slave
Power Supply	adapter AC100V-AC240V±10% 50-60Hz	NA
Power Consumption	Max 50W (4CH)	10W
Frequency Response	100Hz - 18kHz	100Hz - 18kHz
Coverage Angle (1kHz, -6dB)	180 °	180 °
Speaker Component	full range 5.25"	full range 5.25"
Wireless	Bluetooth 4.2	NA
THD	<0.05% at 1kHz, 1/3 rated power	<0.05% at 1kHz, 1/3 rated power
S/N	>70dB	>70dB
Protocols	HFPV1.5, A2DPV1.2, AVRCPV1.4, HSP1.2, GA VDP1.2, IOP	NA
Material & Finish	Frame: ABS, white Grille: Treated Steel Alloy Mesh, white	Frame: ABS, white Grille: Treated Steel Alloy Mesh, white
Dimensions	Dia. 188 x 76 mm	Dia. 188 x 76 mm
Weight	0.9 Kg	0.6 KG



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CX 611 | Flush Mount 2-Way Coaxial Ceiling Loudspeaker

CX 611E | Flush Mount 2-Way Coaxial Ceiling Loudspeaker

The CX 611 and CX 611E 2-Way Coaxial Wide Dispersion Ceiling Loudspeakers are designed for both standard and high-ceiling applications in public address systems, offering a wide coverage angle. These units have a 160 mm coaxial driver capable of a 102 dB Sound Pressure Level (SPL), ensuring excellent speech clarity and high-quality music reproduction. They include a built-in line matching transformer for easy integration into 70 V and 100 V systems, with multiple power tapplings for flexible output. The speakers are mounted on a 230 mm circular ABS grille with a matte white finish and a fine metal mesh, providing an aesthetically pleasing installation without visible screws. The CX 611 and CX 611E combine outstanding functionality and design for superior audio performance in various environments.



CX 611

CX 611E

Technical Specification

	CX 611	CX 611E
Rated Input	100V: 10W (10-5-2.5W) 70V: 5W (5-3-1.5W)	100V: 10W (10-6-3W) 70V: 5W (5-3-1.5W)
Rated Impedance	1kΩ (1-1.667 -3.33 kΩ)	1kΩ (1-1.667 -3.33 kΩ)
Maximum Power	15 W	15 W
Frequency Response	50Hz - 20KHz	50Hz - 20KHz
Sensitivity 1W @ 1m	92 / 102 dB	92 / 102 dB
Coverage Angle (1kHz, -6dB)	130 °	130 °
Speaker Component	160 mm 2-Way Coaxial Loudspeaker	160 mm 2-Way Coaxial Loudspeaker
Safety	Acc. to EN 60065	Acc. to EN 60065
Material & Finish	Frame: ABS, white Grille: Treated Steel Mesh, white	Frame: ABS Grille: Treated Steel Mesh, white Enclosure: ABS, white
Dimensions	Dia. 230 x 75 mm	Dia. 260 x 178 mm
Weight	1 kg	2 kg



SCAN HERE TO KNOW MORE

MUSIC SPEAKERS

CEILING MOUNT

CX 631 | 30W Coaxial Ceiling Speaker

CX 631E | 30W Coaxial Ceiling Speaker

The CX 631 speaker range is designed to meet the needs of public address (PA) systems in environments such as hotels, malls, conference rooms, lecture halls, auditoriums, museums, galleries, restaurants, and bars. Offering flexibility to mix and match configurations, the CX 631 ensures high-quality audio reproduction tailored to the specific requirements of each installation. The CX 631 Series 30W Coaxial Ceiling Loudspeakers are favored for installations that demand excellent musical quality and wide dispersion coverage. Featuring dedicated transducers for high and low frequencies, these speakers provide broad audio bandwidth. With a slim profile grille and fine metal mesh, the CX 631 blends discreetly into various settings, making it ideal for seamless integration into any PA system environment.



CX 631



CX 631E

Technical Specification

	CX 631	CX 631E
Rated Input	100V : (30 - 15 - 7.5 W) 70V : (15 - 7.5 - 3.8 W)	100V : (30 - 15 - 7.5 W) 70V : (15 - 7.5 - 3.8 W)
Rated Impedance	330Ω (330 - 670 - 1330 Ω)	330Ω (330 - 670 - 1330 Ω)
Maximum Power	45W	45W
Frequency Response	40 Hz ~ 20 kHz	50 Hz ~ 20 kHz
Sensitivity 1W @ 1m	92 / 107 dB	92 / 107 dB
Coverage Angle (1kHz, -6dB)	130 °	130 °
Speaker Component	160 mm 2-Way Coaxial Loudspeaker	105 mm 2-Way Coaxial Loudspeaker
Safety	Acc. to EN 60065	Acc. to EN 60065
Material & Finish	Frame: ABS, white Grille: Treated Steel Mesh, white	Frame: ABS, white Grille: Treated Steel Mesh, white Enclosure: Steel
Dimensions	Dia. 230 x 75 mm	Dia. 260 x 178 mm
Weight	1 kg	2 kg



SCAN HERE TO KNOW MORE

CX 815 | Flush Mount 2-Way Coaxial Ceiling Loudspeaker

CX 815E | Flush Mount 2-Way Coaxial Ceiling Loudspeaker

The CX 815 and CX 815E Flush Mount 2-Way Coaxial Ceiling Loudspeakers are engineered for high ceiling applications within public address systems, requiring directed sound projection. They feature a 200 mm coaxial driver that delivers up to 106 dB of Sound Pressure Level (SPL), ideal for clear speech and music reproduction. These units include a built-in line matching transformer compatible with 70 V and 100 V systems and offer multiple power tapplings for versatile output levels. The speakers are mounted on a 275 mm circular ABS grille with a matte Pure White finish and fine metal mesh, ensuring a visually pleasing installation without visible screws. Additionally, the CX 815E model includes a metal back enclosure to prevent crosstalk and acoustic damping material to reduce echoing, enhancing sound quality in complex ceiling environments.



CX 815



CX 815E

Technical Specification

	CX 815	CX 815E
Rated Input	100 V : 15 W (15 - 7.5 - 3.8 W) 70 V : 7.5 W (7.5 - 3.8 - 1.9 W)	100 V : 15 W (15 - 7.5 - 3.8 W) 70 V : 7.5 W (7.5 - 3.8 - 1.9 W) & 8 ohm
Rated Impedance	670 Ω (670 - 1330 - 2670 Ω)	670 Ω (670 - 1330 - 2670 Ω) / 8 ohm
Maximum Power	22.5 W	22.5 W
Frequency Response	55 Hz - 20 kHz	55 Hz - 20 kHz
Sensitivity 1W @ 1m	94 / 106 dB	94 / 106 dB
Coverage Angle (1kHz, -6dB)	120 °	120 °
Speaker Component	200 mm 2-Way Coaxial Loudspeaker	200 mm 2-Way Coaxial Loudspeaker
Safety	Acc. to EN 60065	Acc. to EN 60065
Material & Finish	Frame: ABS, white Grille: Treated Steel Mesh, white	Frame: ABS, white Grille: Treated Steel Mesh, white Enclosure: ABS, white
Dimensions	Dia. 275 x 95 mm	Dia. 275 x 180 mm
Weight	2 kg	3 kg



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MUSIC SPEAKERS

CEILING MOUNT

CX 620 | 20W ABS Grille 2-Way Coaxial Ceiling Loudspeaker

The CX 620 ushers in a new era of audio excellence with its cutting-edge design and superior sound quality. This 20W ABS Grille 2-Way Coaxial Ceiling Loudspeaker is a testament to innovation, offering a seamless blend of form and function. Its sleek design ensures it integrates effortlessly with the ceiling, providing an unobtrusive yet powerful audio solution. Engineered for spaces that demand impeccable sound without compromising on aesthetics, the CX 620 excels in delivering rich, detailed audio across a wide frequency range.

Whether it's for immersive music experiences or crystal-clear announcements, this speaker is designed to elevate the auditory ambiance of any environment. The CX 620 is a masterpiece of acoustic engineering, designed for those who seek the perfect balance between sophisticated design and exceptional sound quality. It represents an ideal choice for architects, interior designers, and audio professionals looking to merge aesthetic elegance with audio performance in their projects.

Technical Specification	
	CX 620
Rated Input	100 V : 20 W (20W-10W-5W)
Impedance	500/1.0 kΩ/2.0 kΩ
Maximum Power	30 W
Frequency Response	50Hz to 20KHz
Sensitivity 1W @ 1m	93dB ±1dB
Coverage Angle (1kHz, -6dB)	120°
Speaker Component	Woofer: 166mm
Tweeter	Tweeter: 20mm Silk dome
Safety	IEC-62368-1:2018
Opening Hole	200mm
Material & Finish	Enclosure: ABS, white Mesh : Aluminium
Dimensions	Ø220*110mm ±1
Weight	1.15 kg



CX 620



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Coaxial Ceiling Speakers: The Superior Choice

In summary, our coaxial ceiling speakers represent the pinnacle of audio engineering, designed to blend seamlessly into any architectural space while delivering unmatched sound quality. By integrating both a tweeter and a woofer into a single unit, these speakers provide a consistent and comprehensive audio output, ensuring excellent sound coverage from every angle. Perfect for both aesthetic and acoustic enhancement, our coaxial speakers are the ideal solution for those who value both form and function in audio systems. Choose our coaxial ceiling speakers to elevate the audio experience in any commercial or residential setting.



MUSIC SPEAKERS

WALL MOUNT 15.2

HD 420W | Premium AV Surface-Mounted Loudspeaker

HD 530W | Premium AV Surface-Mounted Loudspeaker

HD 640W | Premium AV Surface-Mounted Loudspeaker

Discover sonic luxury with our Premium Surface-Mounted Speakers category, featuring the HD Series Premium AV Surface-Mounted Loudspeaker. This series/model name signifies the pinnacle of audio and visual excellence, offering a harmonious blend of premium design, superior sound quality, and advanced cross-over circuit technology. Immerse yourself in a heightened auditory and visual experience, where sleek aesthetics meet uncompromising performance. Elevate your audio setup with the HD Series, setting a new standard for premium surface-mounted speakers that redefine expectations in the Premium Surface-Mounted Speakers category.



HD 420W

HD 530W

HD 640W

Technical Specification

	HD 420W	HD 530W	HD 640W
Impedance	100V: 20W-10W-5W-2.5W & 8 ohms	100V: 30W-15W-7.5W-3.25W & 8ohms	100V: 40W-20W-10W-5W & 8ohms
Woofer	4" (103mm)	5.25" (135mm)	6.5" (165mm)
Tweeter	0.5" (13mm) Mylar dome	0.5" (13mm) Mylar dome	0.5" (13mm) Mylar dome
Sensitivity (1w/1m)	90dB	91dB	91dB
Frequency Response	90Hz-20KHz	80Hz-20KHz	80Hz-20KHz
Power (RMS)	20W	30W	40W
Switch Transformer	20W-10W-5W-2.5W /100V/8Ω	30W-15W-7.5W-3.75W /100V/8Ω	40W-20W-10W-5W/100V/8Ω
Color	White	White	White
Material & Finish	ABS + Aluminum	ABS + Aluminum	ABS + Aluminum
Dimension	135 x 180 x 218 mm (W x D x H)	170 x 210 x 260 mm (W x D x H)	206 x 250 x 300 mm (W x D x H)



SCAN HERE TO KNOW MORE

HD 641W | Premium AV Surface-Mounted Loudspeaker

HD 851W | Premium AV Surface-Mounted Loudspeaker

Experience audio opulence with the HD Series Premium AV Surface-Mounted Loudspeaker, the crown jewel of our Premium Surface-Mounted Speakers category. Showcasing a harmonious fusion of sleek aesthetics and uncompromising performance, the HD Series immerses you in a heightened auditory experience. Its 1" (25mm) silk dome tweeter delivers pristine high frequency reproduction, complemented by the precision and power of its low frequency driver. Together, these components produce expansive, crystal clear audio that will elevate your listening experience. When only the best will do, trust the HD Series to redefine expectations with its exceptional blend of premium design and superior sound.



HD 641W

HD 851W

Technical Specification

	HD 641W	HD 851W
Impedance	100V: 40W-20W-10W-5W & 8ohms	100V: 50W-25W-12.5W-6.25W & 8ohms
Woofer	6.5" (166mm)	8" (203mm)
Tweeter	1" (25mm) silk dome	1" (25mm) silk dome
Sensitivity (1w/1m)	92dB	92dB
Frequency Response	60Hz-20KHz	65Hz-20KHz
Power (RMS)	40W	60W
Switch Transformer	40W-20W-10W-5W/100V/8Ω	50W-25W-12.5W-6.25W/100V/8Ω
Color	White	White
Material & Finish	ABS + Aluminum	ABS + Aluminum
Dimension	218 x 263 x 330 mm (W x D x H)	270 x 338 x 428 mm (W x D x H)



SCAN HERE TO KNOW MORE

MUSIC SPEAKERS

WALL MOUNT

FG 421W | 2-Way Foreground Loudspeaker

FG 531W | 2-Way Foreground Loudspeaker

FG 641W | 2-Way Foreground Loudspeaker

The FG Series stands as a versatile 2-way Foreground Loudspeaker, perfectly tailored for applications demanding superior audio quality and precise sound projection. This dynamic unit excels in environments such as supermarkets, exhibition centers, and sports complexes, where acoustic excellence is paramount. Its exceptional audio performance is achieved through the integration of a 120 mm dynamic full-range transducer for rich low frequencies, while a 25 mm dome tweeter delicately reproduces the higher frequencies with precision.

This loudspeaker's adaptability extends to mounting options, making it a suitable choice for various settings. Surface mounting allows for convenient installation, further enhancing its practicality. For applications requiring low impedance, an 8 Ω model is readily available, ensuring seamless integration into different audio systems. The FG Series not only elevates sound quality but also contributes to the immersive and impactful audio experience in any space it graces.



SCAN HERE TO KNOW MORE



FG 421W

FG 531W

FG 641W

Technical Specification

	FG 421W	FG 531W	FG 641W
Rated Input	100 V : 20 W (20 - 10 - 5 - 2.5W) / 8 Ω	100 V : 30 W (30 - 15 - 7.5 - 3.75 W) / 8 Ω	100 V : 40 W (40 - 20 - 10 - 5 W) / 8 Ω
Impedance	500/1.0 kΩ/2.0 kΩ/4.0 kΩ /8 ohms	333/666/1.33 kΩ/2.66 kΩ /8 ohms	250/500/1.0 kΩ/2.0 kΩ /8 ohms
Maximum Power	40 W	60 W	80 W
Frequency Response	75Hz - 20KHz	55 Hz - 20 kHz	45Hz-20KHz
Sensitivity 1W @ 1m	88dB ±1dB	90dB ±1dB	90dB ±1dB
Coverage Angle (1kHz, -6dB)	90 x 90°	90 x 90°	90 x 90°
Speaker Component	Woofer: 103mm	Woofer: 135mm	Woofer: 166mm
Tweeter	Tweeter: 25mm Silk dome	Tweeter: 25mm Silk dome	Tweeter: 25mm Silk dome
Safety	IEC-62368-1:2018	IEC-62368-1:2018	IEC-62368-1:2018
Dust & Water Protection	IP65 (acc. to IEC 529)	IP65 (acc. to IEC 529)	IP65 (acc. to IEC 529)
Material & Finish	Enclosure: ABS, white Grille: Aluminium Treated Mesh, white Bracket: Aluminium Bracket, white	Enclosure: ABS, white Grille: Aluminium Treated Mesh, white Bracket: Aluminium Bracket, white	Enclosure: ABS, white Grille: Aluminium Treated Mesh, white Bracket: Aluminium Bracket, white
Dimensions	170 x 228 x 140 mm (W x H x D)	185 x 255 x 180 mm (W x H x D)	216 x 285 x 205 mm (W x H x D)
Weight	2.3 kg	2.8 kg	3.3 kg

FG 52 | 20W Foreground Loudspeaker

FG 64 | 40W Foreground Loudspeaker

The FG Series introduces the FG 52 and FG 64 Surface Mount Loudspeakers, which combine high-performance audio with a sleek, contemporary design. Featuring durable aluminum mesh construction, these models offer visual appeal and are built to last. Designed with a minimal depth for wall mounting, they provide flexible installation options and a compact footprint, suitable for various applications. Both the FG 52 and FG 64 are engineered to deliver exceptional sound quality, making them ideal for spaces where premium sound is essential, but space is limited. Redefining surface mount loudspeaker expectations, the FG 52 and FG 64 offer unmatched flexibility and audio performance in a stylish package, perfect for background music, public announcements, or immersive listening experiences.

Technical Specification

	FG 52	FG 64
Rated Input	100 V : 20 W (20 - 10 - 5W)	100 V : 40 W (40 - 20 - 10W)
Impedance	500/1.0 kΩ/2.0 kΩ	250/500/1.0 kΩ
Maximum Power	30 W	50 W
Frequency Response	80HZ±5 - 19K±1	70HZ±5 - 20K±1
Sensitivity 1W @ 1m	92±1dB	93±1dB
Coverage Angle (1kHz, -6dB)	90° x 90°	90° x 90°
Speaker Component	Woofer: 135mm	Woofer: 166mm
Tweeter	Tweeter: 25mm Silk dome	Tweeter: 25mm Silk dome
Safety	IEC-62368-1:2018	IEC-62368-1:2018
Material & Finish	Enclosure: ABS, white Mesh : Aluminium Bracket: Aluminium Bracket, white	Enclosure: ABS, white Mesh : Aluminium Bracket: Aluminium Bracket, white
Dimensions	245*163*120mm	282*186*140mm
Weight	1.45kg	1.8kg



FG 52

FG 64



SCAN HERE TO KNOW MORE

SLW 43 | 3" Weatherproof Column Array Speaker

SLW 83 | 3" Weatherproof Column Array Speaker

The SLW Series Column Speakers are designed for high-performance sound in both indoor and outdoor environments. These speakers, featuring durable extruded aluminum housings and painted aluminum grilles, are ingress protected to IP55, ensuring reliability in various weather conditions. The SLW 43 model includes four full-range transducers and one tweeter, while the SLW 83 model is equipped with eight full-range transducers and two tweeters, making them ideal for long-throw applications. With built-in 70V and 100V transformers and direct 8 ohm/4 ohm capability, these speakers offer versatile installation options. Their slim, attractive construction and included swivel (pan)/tilt wall aluminum alloy bracket make them a practical choice for accurate sound distribution in commercial settings.



SCAN HERE TO KNOW MORE



SLW 43

SLW 83

SLWB 01 | SLW Mounting Bracket

Technical Specification

	SLW 43	SLW 83
Frequency Range (-10dB)	100Hz-20KHz	95Hz-20KHz
Sensitivity (1W/1m)	90dB	93dB
Max SPL	108dB	114dB
Nominal Impedance	4Ω (in Thru mode)	8Ω (in Thru mode)
Power Taps	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)
Power Capacity	60W (240W peak), 100hrs/4Ω	120W (480W peak), 100hrs/8Ω
Coverage Pattern (H×V)	120° × 70°	120° × 70°
Drivers	4 × 2.7" Full-Range 1 × 1" Tweeter	8 × 2.7" Full-Range 2 × 1" Tweeters
Material	Housing: Extruded aluminum Grille: Aluminum	Housing: Extruded aluminum Grille: Aluminum
Outdoor Capability	IP55	IP55
Colour/Finish	Black	Black
Connector	Euro Terminal Block 5.08×4P	Euro Terminal Block 5.08×4P
Dimensions (H×W×D)	594 × 91 × 120 mm	1170 × 91 × 120 mm
Net Weight	3.3 kg	6.5 kg
Mounting	Aluminum alloy wall bracket	Aluminum alloy wall bracket

MUSIC SPEAKERS

COLUMN ARRAY

[VA 204 | Premium Column Speaker](#)

[VA 404 | Premium Column Speaker](#)

[VA 604 | Premium Column Speaker](#)

[VA 804 | Premium Column Speaker](#)

The VA Series is a versatile and powerful range of full-range column speakers specifically designed for public address and voice alarm (PAVA) systems. Ideal for applications such as conference centers, educational facilities, and small entertainment venues, these speakers ensure clear and powerful sound delivery over long distances. Each model in the VA Series features 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 offers sharp vertical directivity and wide horizontal dispersion, making it perfect for intelligible speech and effective emergency announcements. 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—allowing flexibility to match different venue sizes and sound reinforcement needs.



SLB 01 | SL Mounting Bracket



VA 204



VA 404



VA 604



VA 804

Technical Specifications

	VA 204	VA 404	VA 604	VA 804
Frequency Range	90-18KHz	90-18KHz	90-18KHz	90-18KHz
Driver Units	2*4"	4*4"	6*4"	8*4"
Voice Coil Size	20mm VC	20mm VC	20mm VC	20mm VC
Rated Impedance	500 Ohm	250 Ohm	167 Ohm	125 Ohm
Power (RMS/Peak)	20W	40W	60W	80W
Sensitivity (1m/1W)	93dB	96dB	97dB	99dB
Max SPL	113dB	118dB	119dB	123dB
Coverage Angle (H x V)	100° x 30°	100° x 18°	100° x 16°	100° x 14°
Connector	2*NL4	2*NL4	2*NL4	2*NL4
Dimensions (W x D x H)	120 x 145 x 260 mm	120 x 145 x 525 mm	120 x 145 x 806 mm	120 x 145 x 1006 mm
Weight	3 kg	5.5 kg	8 kg	10.3 kg



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MUSIC SPEAKERS

COLUMN ARRAY

AL 803 | 3" Steerable Column Array Speaker

AL 804 | 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.



Technical Specification

	AL 803	AL 804
Full-range Drivers	8×3" (75mm)/0.75" voice coil	8×4" (100mm)/0.75" voice coil
Rated Power (RMS)	180W	200W
Peak Power	720W	800W
Frequency Response	80Hz-20KHz	78Hz-20KHz
Directivity	120°×30° ±20°	120°×30° ±20°
Sensitivity	93dB/M/W	96dB/M/W
Maximum SPL	115dB	120dB
Enclosure Material	Wooden, rainproof paint finish	Wooden, rainproof paint finish
Protective Grille	Steel grille	Steel grille
Amplifier Type	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
Connectors	NL4*2	NL4*2
Weight	8.8kg	11.8kg
Dimensions (W x D x H)	115×142×694mm	131×150×966mm



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MUSIC SPEAKERS

MUSIC HORN 15.4

MH 60 | Music Horn Speaker

Elevate your outdoor audio experience with our Music Horn Speaker category, delivering powerful sound projection. Whether for public announcements or large events, this series promises unparalleled clarity and reach. Immerse yourself in dynamic and impactful audio that resonates across open spaces. Elevate your events or gatherings with the Music Horn Speaker series, setting a new standard for outdoor audio solutions that prioritize both power and precision in the Music Horn Speaker category.



MH 60

Technical Specification

	MH 60
Rated Input	100V : 60W (60-30-15-7.5W) / 8ohm
Impedance	166/333/666/1.33 kΩ /8 ohms
Sensitivity	97dB(1W/1m)
Frequency Range	200Hz-20KHz
Power Selection	Terminal Block
Ingress Protected	IEC529 @ IP66
Horn Materials	ABS
LF Driver Materials LF	6.5 inch cone Speaker
HF Driver Materials HF	1 inch dome tweeter
Mounting Bracket	3- Ø10mm holes with 60mm (2.36 inch) space
Dimension	370 x 270 x 305 mm (W x H x D)



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MH 200 | 200W Music Horn Speaker

The MH 200 is a 12-inch coaxial dual-frequency all-weather speaker designed for a variety of indoor and outdoor environments, such as schools, stations, shopping malls, parks, and stadiums. Built with an engineering plastic injection molding housing, it meets IP65 standards, ensuring it can withstand all weather conditions. The speaker incorporates a medium-low sound speaker and a treble driver in a coaxial configuration with a horn design, offering excellent voice and music playback. Its simple and convenient installation, combined with a constant resistance design, diverse usage scenarios, and compliance with CE and IP65 standards, make the MH 200 an ideal choice for delivering clear and reliable sound performance in any setting.



MH 200

Technical Specification

	MH 200
Rated Input	OFF-50W-100W-200W-8Ω (100V)
Nominal Impedance	OFF-1600-800-400-80
Sensitivity	Sensitivity 1W @ 1m: 92/105dB
Coverage Angle	(1kHz, -6dB): 180°
Frequency Response	60Hz to 20k Hz
Loudspeaker Unit	Bass 12" x 1, Treble 1" x 1
Mounting Hole Size	3 x Ø10 mm, Distance between holes: 100mm
Mounting Method	Set Swinging
Connection Type	4-bit wiring terminals
Materials	Shell (PP+ barium), Mesh cover (Aluminum)
Size	410 x 410 x 443mm
Weight	20 kg/1PC
Operational Temperature	-25°C to +55°C
Storage Temperature	-40°C to +70°C
Relative Humidity	<=95%



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PAVA SPEAKERS

CEILING MOUNT 15.5

C 460E | Ceiling Loudspeaker

The C 460E represents the pinnacle of ceiling loudspeaker design, where functionality meets aesthetic elegance in a compact form. Engineered with a unique and beautiful geometric design, this speaker is not just an auditory device but a piece of art that complements any interior design. Its small footprint and lightweight construction belie its robust sound capabilities, making it an ideal choice for areas where clear announcements.



C 460E



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Technical Specification

	C 460E
Rated Input	100 V : 6 W (6W - 3W)
Impedance	1.667kΩ / 3.33 kΩ
Maximum Power	9 W
Frequency Response	105Hz - 16KHz
Sensitivity 1W @ 1m	90dB ±1dB
Coverage Angle (1kHz, -6dB)	120°
Speaker Component	Woofer: 103mm
Tweeter	NA
Safety	IEC-62368-1:2018
Opening Hole	150mm
Material & Finish	Enclosure: PP, white
Dimensions	Ø179 x 65 mm
Weight	360 gram

CA 561E | Ceiling Loudspeaker

The CA 561E Ceiling Loudspeaker blends advanced technology with sleek design to deliver superior audio in diverse settings. Tailored for invisible integration, it enhances room aesthetics while providing vibrant sound. This model offers crisp, powerful audio performance in a compact form, ideal for ambient music or clear announcements. It stands as a testament to refined engineering, merging discreet appearance with sound precision.



CA 561E



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Technical Specification

	CA 561E
Rated Input	100 V : 6 W (6W - 3W-1.5W)
Impedance	1.667kΩ / 3.33 kΩ / 6.67kΩ
Maximum Power	9 W
Frequency Response	105Hz - 16KHz
Sensitivity 1W @ 1m	90dB ±1dB
Coverage Angle (1kHz, -6dB)	120°
Speaker Component	Woofer: 120mm
Tweeter	NA
Safety	IEC-62368-1:2018
Opening Hole	150mm
Material & Finish	Enclosure: ABS, white Mesh: Aluminium, white
Dimensions	Ø177 x 60
Weight	0.4KG

CA 562E | Ceiling Loudspeaker

The CA 562E Ceiling Loudspeaker merges technological innovation with aesthetic discretion, delivering unmatched audio in various spaces. Featuring a dedicated back enclosure and full mesh design, it offers enhanced sound clarity and easy mounting, ideal for visually appealing installations. This model provides clear, crisp sound in a sleek package, perfect for ambient music or clear announcements.



CA 562E



SCAN HERE TO KNOW MORE

Technical Specification

	CA 562E
Rated Input	100 V : 6 W (6W - 3W-1.5W)
Impedance	1.667kΩ / 3.33 kΩ / 6.67kΩ
Maximum Power	9 W
Frequency Response	105Hz - 16KHz
Sensitivity 1W @ 1m	90dB ±1dB
Coverage Angle (1kHz, -6dB)	120°
Speaker Component	Woofer: 120mm
Tweeter	NA
Safety	IEC-62368-1:2018
Opening Hole	150mm
Material & Finish	Enclosure: PP, white Mesh: Aluminium White
Dimensions	Ø171 x 88 mm
Weight	0.44 KG

CA563 | Ceiling Loudspeaker

The CA 563 is a full range ceiling loudspeaker that can be applied areas that require paging and background music to be broadcasted. The slim profiled CA 563 ABS grille ceiling loudspeakers comes with an epoxy coated fine metal mesh that easily matches to most ceiling surfaces. Being spring mounted eases installation and improves aesthetics. CA 563 comes with a 120 mm dynamic full range loudspeaker component.



CA563



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Technical Specification

	CA 563
Rated Input	100V : 6W (6 - 3 - 1.5W) 70V : 3W (3 - 1.5 - 0.75W)
Rated Impedance	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)
Maximum Power	9 W
Rated Frequency Range	100 Hz - 20 kHz
Frequency Response (Peak -20dB)	64 Hz - 20 kHz
Sensitivity 1W @ 1m	92 / 100 dB
Coverage Angle (1kHz, -6dB)	180°
Speaker Component	120 mm Dynamic Full-range Loudspeaker
Safety	Acc. to EN 60065
Material & Finish	Frame: ABS, white Grille: Aluminium Mesh, white
Dimensions	Dia. 175 x 54 mm
Weight	0.5 kg

PAVA SPEAKERS

CEILING MOUNT

CA564E | Ceiling Loudspeaker

The slim-profile CA 563 and CA 564E ABS Grille Ceiling Loudspeakers feature an epoxy-coated fine metal mesh that easily complements most ceiling surfaces. Their spring-mounted design simplifies installation and enhances aesthetics. Both the CA 563 and CA 564E are equipped with a 120 mm dynamic full-range loudspeaker component, making them suitable for a wide range of applications, whether it's for voice or music. The CA 564E comes pre-fitted with an enclosure for installations that require it. These speakers include a 6W-rated multi-tapping line matching transformer built into the unit, making them suitable for use with 100V line systems.



CA564E



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Technical Specification

	CA564E
Rated Input	100 V : 6 W (6 - 3 - 1.5W) 70 V : 3 W (3 - 1.5 - 0.75W)
Rated Impedance	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)
Maximum Power	9 W
Frequency Response	110 Hz - 20 kHz
Sensitivity 1W @ 1m	92 / 100 dB
Coverage Angle (1kHz, -6dB)	180 °
Speaker Component	120 mm Dynamic Full-range Loudspeaker
Safety	Acc. to EN 60065
Material & Finish	Frame: ABS, white Grille: Aluminium Mesh, white Enclosure: ABS, white
Dimensions	Dia. 178 x 86 mm
Weight	0.6 kg

CE 565 | Ceiling Loudspeaker

The CE 565 Ceiling Loudspeakers are ideal for low-ceiling environments like supermarkets, offices, and restaurants, delivering clear voice announcements and background music. These speakers feature a 120 mm dynamic full-range component and a high-impact ABS grille with an off-white finish, ensuring sound clarity and aesthetic appeal with their front metal mesh. Designed for straightforward, spring-mounted installation, they include a multi-impedance line matching transformer suitable for 70V or 100V systems and have a maximum power capacity of 6W at 100V.



CE 565



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KNOW MORE

Technical Specification

	CE 565
Rated Input	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.75 W)
Rated Impedance	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)
Maximum Power	9 W
Rated Frequency Range	100 Hz - 20 kHz
Frequency Response (Peak -20dB)	64 Hz - 20 kHz
Sensitivity 1W @ 1m	92 / 100 dB
Coverage Angle (1kHz, -6dB)	180 °
Speaker Component	120 mm Dynamic Full-range Loudspeaker
Safety	Acc. to EN 60065
Ceiling Thickness	3 - 25 mm
Enclosure	Spring Mounted
Material & Finish	Frame: ABS, white Grille: Aluminium Mesh, white
Dimensions	Dia. 190 x 54 mm
Weight	0.5 kg

PAVA SPEAKERS

CEILING MOUNT

CM 361 | Flush Mount Ceiling Loudspeaker

CM 461 | Flush Mount Ceiling Loudspeaker

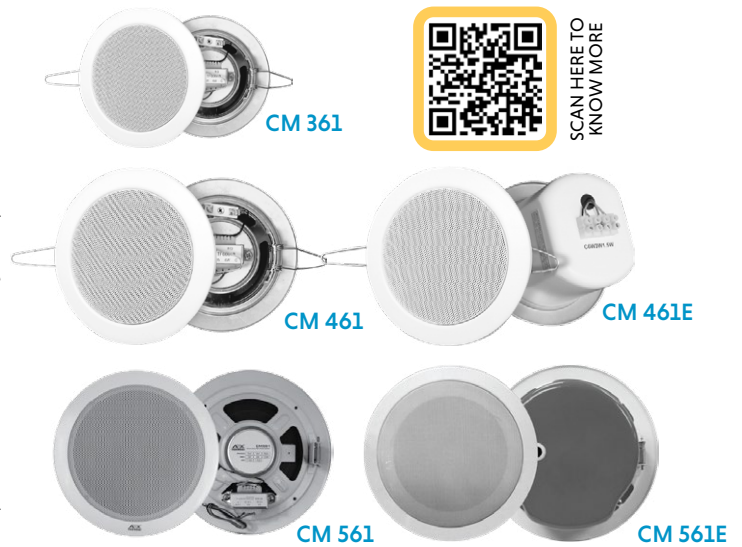
CM 461E | Flush Mount Ceiling Loudspeaker

CM 561 | Flush Mount Ceiling Loudspeaker

CM 561E | Flush Mount Ceiling Loudspeaker

The CM Series Flush Mount Ceiling Loudspeakers are specifically designed for low-ceiling applications within a public address system. These loudspeakers utilize torsion springs for easy installation, eliminating the need for visible mounting screws. The CM Series encompasses six different models, each catering to different needs: CM 361 (75 mm transducer), CM 461/CM 461E (100 mm transducer), CM 561E (130 mm transducer) and, CM 611/CM 611E (160 mm transducer).

All models come equipped with a multiple-impedance line matching transformer, making them suitable for use in 70V or 100V distributed loudspeaker systems. The 'E' suffix that follows the model name indicates that the model includes a metal back enclosure.



Technical Specification

	CM 361	CM 461	CM 461E	CM561	CM561E
Rated Input	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.8 W)	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.8 W)	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.8 W)	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.8 W)	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.8 W)
Rated Impedance	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)
Maximum Power	9 W	9 W	9 W	9 W	9 W
Frequency Response	64 Hz - 20 kHz	64 Hz - 20 kHz	100 Hz - 20 kHz	100 Hz - 20 kHz	115 Hz - 20 kHz
Sensitivity 1W @ 1m	88 / 96 dB	90 / 98 dB	90 / 98 dB	90 / 98 dB	90 / 98 dB
Coverage Angle (1kHz, -6dB)	180 °	180 °	180 °	180 °	180 °
Speaker Component	75 mm Dynamic Full-range Loudspeaker	100 mm Dynamic Full-range Loudspeaker	100 mm Dynamic Full-range Loudspeaker	130 mm Dynamic Full-range Loudspeaker	130 mm Dynamic Full-range Loudspeaker
Safety	Acc. to EN 60065	Acc. to EN 60065	Acc. to EN 60065	Acc. to EN 60065	Acc. to EN 60065
Material & Finish	Frame: Treated Steel, white Grille: Treated Steel, white	Frame: Treated Steel, white Grille: Treated Steel, white	Frame: Treated Steel, white Grille: Treated Steel, white Enclosure: Treated Steel, white	Frame: Treated Steel, white Grille: Treated Steel, white	Frame: Treated Steel, white Grille: Treated Steel, white Enclosure: Treated Steel, white
Dimensions	Dia. 105 x 75 mm	Dia. 135 x 80 mm	Dia. 135 x 102 mm	Dia. 200 x 50 mm	Dia. 200 x 90 mm
Weight	0.46 kg	0.52 kg	0.75 kg	0.73 kg	0.93 kg

PAVA SPEAKERS

CEILING MOUNT

CP 506 | 6W Surface Mount Ceiling Loudspeaker

The CP 506 Surface Mount Loudspeaker features a stylish half-dome design with a flat top, making it a practical audio solution for areas without ceiling embedding options. Its elegant profile complements modern interiors and simplifies installation, ideal for environments needing aesthetic appeal and sound clarity. This model facilitates quick surface mounting, serving as an efficient choice for sound distribution. The CP 506 exemplifies thoughtful design and audio engineering, delivering quality sound and easy installation, suitable for both commercial and residential settings.



CP 506



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Technical Specification

CP 506	
Rated Input	100 V : 6 W (6W - 3W-1.5W)
Impedance	1.667kΩ / 3.33 kΩ /6.67kΩ
Maximum Power	9 W
Frequency Response	100Hz - 16.5KHz
Sensitivity 1W @ 1m	90dB ±1dB
Coverage Angle (1kHz, -6dB)	120°
Speaker Component	Woofer: 120mm
Safety	IEC-62368-1:2018
Material & Finish	Enclosure: PP, white
Dimensions	Ø180*63mm
Weight	0.4 kg

CP 515 | 15W Surface Mount Ceiling Loudspeaker.

The CP 515 Surface Mount Ceiling Loudspeaker offers a blend of style and powerful audio performance for spaces where traditional ceiling installation isn't feasible. With its sleek half-dome design, it enhances aesthetics while delivering dynamic sound. Easy to install, the CP 515 is ideal for retail and open-concept areas requiring high-quality audio without in-ceiling placement. Its robust build and versatile design make it a premium choice for enhancing both the visual and auditory environment.



CP 515



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Technical Specification

CP 515	
Rated Input	100 V : 15W (15W - 7.5W- 3.75W)
Impedance	666/1.33 kΩ/2.66 kΩ
Maximum Power	20 W
Frequency Response	95Hz±5 - 17K±1
Sensitivity 1W @ 1m	91dB ±1dB
Coverage Angle (1kHz, -6dB)	120°
Speaker Component	Woofer: 135mm
Safety	IEC-62368-1:2018
Material & Finish	Enclosure: PP, white
Dimensions	Ø220*76mm
Weight	0.87kg

CS 332 | Splashproof Ceiling Loudspeaker

CS 332L | Splashproof Ceiling Loudspeaker

The CS Series Splashproof Ceiling Loudspeakers have been purposefully designed for installations in environments exposed to moisture and high humidity, such as poolside areas, bathrooms, or open covered walkways. These ceiling loudspeakers can withstand moisture effectively, thanks to their high-impact ABS grille and a 75 mm dynamic full-range loudspeaker component specifically constructed to resist moisture. Certain models feature an elegant appearance with a zinc-plated front metal mesh finished in off-white.

The unique torsion spring mounting system significantly reduces installation time, eliminating the need for visible screws. The CS 332 model is equipped with a multiple-impedance line-matching transformer, making it suitable for 70V or 100V distributed loudspeaker systems, with a maximum power handling of 6W rated at 100V. All models are equipped with a back enclosure to prevent crosstalk between adjacent zones through the ceiling void.



CS 332



CS 332L

Technical Specification

	CS 332	CS 332L
Rated Input	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.8 W)	6 W
Rated Impedance	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)	8 Ω
Maximum Power	9 W	9 W
Frequency Response	110 Hz ~ 20 kHz	110 Hz ~ 20 kHz
Sensitivity 1W @ 1m	88 / 96 dB	88 / 96 dB
Coverage Angle (1kHz, -6dB)	180 °	180 °
Speaker Component	75 mm Dynamic Full-range Loudspeaker	75 mm Dynamic Full-range Loudspeaker
Safety	Acc. to EN 60065	Acc. to EN 60065
Dust & Water Protection	IP54	IP54
Material & Finish	Frame: ABS, white Grille: ABS, white Enclosure: ABS, white	Frame: ABS, white Grille: ABS, white Enclosure: ABS, white
Dimensions	Dia. 127 x 77 mm	Dia. 127 x 77 mm
Weight	0.46 kg	0.35 kg



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PAVA SPEAKERS

CEILING MOUNT

PD 506W · PD 506B | Pendant Loudspeaker

PD 512W · PD 512B | Pendant Loudspeaker

The PD 506 and PD 512 Pendant Loudspeakers are innovatively designed, taking on a spherical shape for direct ceiling mounting using their connecting 100V line input cable. These loudspeakers are the perfect choice for environments with high ceilings, where the absence of a false ceiling or prohibitive installation of ceiling-mounted loudspeakers makes them an ideal solution. Adding to their adaptability, they are available in two versatile colors: White (PD 506W, PD 512W) and Black (PD 506B, PD 512B), ensuring seamless integration with various architectural styles.

Each model in the PD 506 series features a built-in 100V/70V line matching transformer, equipped with 6W and 3W power tapings, while the PD 512 series offers built-in 100V/70V line matching transformers with 12W and 6W power tapings. These pendant loudspeakers not only provide exceptional audio performance but also allow for easy customization, making them an excellent choice for a wide range of settings, from retail spaces to open, expansive areas with high ceilings. Their distinctive spherical design adds a touch of modern elegance while delivering quality sound to enhance any environment.



PD 506W/PD 512W



PD 506B/PD 512B

Technical Specification

	PD 506W / PD506B	PD 512W / PD512B
Rated Input	100 V : 6 W (6 - 3 W) 70 V : 3 W (3 - 1.5 W)	100 V : 12 W (12 - 6 W) 70 V : 6 W (6 - 3 W)
Rated Impedance	1.7 kΩ (1.7 - 3.3 kΩ)	0.83 kΩ (0.83 - 1.7 kΩ)
Maximum Power	9 W	18 W
Frequency Response	130 Hz - 16 kHz	
Sensitivity 1W @ 1m	90 / 98 dB	90 / 101 dB
Coverage Angle (1kHz, -6dB)	180°	220°
Speaker Component	120 mm Dynamic Full-range Loudspeaker	
Safety	Acc. to EN 60065	
Material & Finish	Enclosure: ABS, White (PD506W), Black (PD506B) Grille: Treated Steel Mesh	Enclosure: ABS, White (PD506W), Black (PD506B) Grille: Treated Steel Mesh
Dimensions	Dia. 180 x 600 mm	
Weight	1.8 kg	2 kg



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PD 510W · PD 510B | 10W Pendant Loudspeaker

PD 520W · PD 520B | 20W Pendant Loudspeaker

Elevating the standard for pendant audio solutions, the PD 510 and PD 520 series introduce a blend of sophistication and versatility in sound delivery. Available in both white (W) and black (B) finishes, these pendant loudspeakers are designed to cater to aesthetic preferences while providing exceptional sound quality. The PD 510W/B offers a 10W option for areas requiring clear, ambient sound, whereas the PD 520W/B steps up to 20W for environments needing more powerful audio coverage. Ideal for high ceiling spaces, these models combine sleek design with high-performance audio, ensuring seamless integration into any architectural style without compromising on sound quality.

The PD 510W/B and PD 520W/B series redefine what's possible with pendant loudspeakers, offering an elegant solution for enhancing the auditory experience in any setting. From sophisticated lounges to spacious retail environments, these speakers provide the perfect balance of form and function, ensuring that high-quality sound is always in reach.



PD 510W · PD 520W



PD 510B · PD 520B

Technical Specification

	PD 510W	PD 520W	PD 510B	PD 520B
Rated Input	100 V : 10 W (10 - 5W)	100 V : 20 W (20-10 W)	100 V : 10 W (10 - 5W)	100 V : 20 W (20-10 W)
Impedance	1.0 kΩ/2.0 kΩ	500/1.0 kΩ	1.0 kΩ/2.0 kΩ	500/1.0 kΩ
Maximum Power	20 W	30 W	20 W	30 W
Frequency Response	100Hz - 17KHz	100Hz - 18KHz	100Hz - 17KHz	100Hz - 18KHz
Sensitivity 1W @ 1m	92dB ±1dB	93dB ±1dB	92dB ±1dB	93dB ±1dB
Coverage Angle (1kHz, -6dB)	120°	120°	120°	120°
Speaker Component	Woofer: 135mm	Woofer: 135mm	Woofer: 135mm	Woofer: 135mm
Safety	IEC-62368-1:2018	IEC-62368-1:2018	IEC-62368-1:2018	IEC-62368-1:2018
Material & Finish	Enclosure: ABS, white	Enclosure: ABS, white	Enclosure: ABS, black	Enclosure: ABS, black
Dimensions	Ø167 x 1000mm	Ø167 x 1000mm	Ø167 x 1000mm	Ø167 x 1000mm
Weight	0.8 kg	0.8 kg	0.8 kg	0.8 kg



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PAVA SPEAKERS

EN CERTIFIED 15.6

CEILING MOUNT 15.6.1

EN 54-24:2008
CERTIFIED

Highlight: Certified Ceiling Speakers for Optimal Safety and Sound

Experience unparalleled safety and sound clarity with our range of premium ceiling speakers, each certified under EN 54-24:2008. Designed specifically for use in voice alarm systems, our ceiling speakers ensure excellent audio performance and reliability in emergency situations. Whether for commercial or residential installations, our speakers deliver consistent, clear, and powerful sound distribution, making them an ideal choice for any environment requiring stringent safety standards and high-quality audio delivery. Emphasize your commitment to safety and quality with our certified ceiling speakers, built to perform when it matters most.



CA564E(EN) | Ceiling Loudspeaker

The CA 564E(EN) ABS Grille Ceiling Loudspeaker features an elegant epoxy-coated fine metal mesh for aesthetic and easy installation in diverse environments. It includes a 120 mm full-range loudspeaker suitable for voice and music applications and comes with an enclosure for specific installation needs. Certified under EN 54-24:2008, the CA 564E(EN) ensures top safety and performance in emergency voice alarm systems. Constructed with fire retardant ABS material, it also features a ceramic connector, thermistor, and capacitor, along with a built-in 6W multi-tapping transformer compatible with 100V line systems, highlighting its versatility in professional settings.



• CA 564E(EN) •
EN 54-24:2008
CERTIFIED

CF 561E(EN) | Fire Rated Ceiling Loudspeaker

The CF 561E(EN) Fire Rated Ceiling Loudspeaker is engineered with a steel fire dome for safety, complying with EN 54-24 and BS 5839-1: 2002 standards, making it ideal for low-ceiling environments like shopping malls and offices. This speaker delivers clear voice announcements and background music, thanks to its 120 mm dual cone full range component that ensures minimal sound discoloration. It features a ceramic connector, thermistor, and capacitor, a metal baffle, and front metal mesh for aesthetic integration. It also includes a multi-impedance line matching transformer for use in 70V or 100V systems, with a maximum power of 6W at 100V.



• CF 561E(EN) •
EN 54-24:2008
CERTIFIED

CM 561E(EN) | Flush Mount Ceiling Loudspeaker

The CM 561E(EN) Flush Mount Ceiling Loudspeaker, designed for low-ceiling applications within public address systems, combines aesthetic integration with practical functionality. This model features a 130 mm transducer and utilizes torsion springs for a clean installation without visible mounting screws. Certified under EN 54-24:2008, the CM 561E(EN) guarantees exceptional performance and safety in emergency voice alarm scenarios. It also includes a ceramic connector, thermistor, capacitor, and a versatile multiple-impedance line matching transformer, compatible with both 70V and 100V systems, and comes with a metal back enclosure, denoted by the 'E' suffix.



• CM 561E(EN) •
EN 54-24:2008
CERTIFIED

PAVA SPEAKERS

EN CERTIFIED

CEILING MOUNT

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CA564E(EN)



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EN 54-24:2008
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CF 561E(EN)



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EN 54-24:2008
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CM 561E(EN)



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EN 54-24:2008
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Technical Specification

	CA 564E(EN)
Rated Input	100 V : 6 W (6 – 3W) 70 V : 3 W (3 – 1.5W)
Rated Impedance	1.7 kΩ (1.7 - 3.3 kΩ)
Maximum Power	9 W
Frequency Response	110 Hz - 20 kHz
Sensitivity 1W @ 1m	92 / 100 dB
Coverage Angle (1kHz, -6dB)	180 °
Speaker Component	120 mm Dynamic Full-range Loudspeaker
Certified	EN 54:24:2008
Safety	Acc. to EN 60065
Safety Components	Thermistor, Capacitor, Ceramic connector
Material & Finish	Frame: Fire Retardant ABS, white Grille: Aluminium Mesh, white Enclosure: Fire Retardant ABS, white
Dimensions	Dia. 178 x 86 mm
Weight	0.6 kg

Technical Specification

	CF 561E(EN)
Rated Input	100 V : 6 W (6 – 3W) 70 V : 3 W (3 – 1.5W)
Rated Impedance	1.7 kΩ (1.7 - 3.3 kΩ)
Maximum Power	9 W
Frequency Response	90 Hz - 20 kHz
Sensitivity 1W @ 1m	91 / 99 dB
Coverage Angle (1kHz, -6dB)	180°
Speaker Component	120mm dual cone Full-range Loudspeaker
Safety	Acc. to EN 60065 • EN 54-24 • BS 5839-1: 2002
Safety Components	Thermistor, Capacitor, Ceramic connector
Enclosure	Spring Mounted
Certified	EN 54-24:2008
MTBF	350,000 hours
Material & Finish	Frame: Treated Steel, white Grille: Treated Steel, white Enclosure: Treated Steel, red
Dimensions	Dia. 200 x 100 mm
Weight	1 kg

Technical Specification

	CM 561E(EN)
Rated Input	100 V : 6 W (6 – 3W) 70 V : 3 W (3 – 1.5W)
Rated Impedance	1.7 kΩ (1.7 - 3.3 kΩ)
Maximum Power	9 W
Frequency Response	115 Hz ~ 20 kHz
Sensitivity 1W @ 1m	90 / 98 dB
Coverage Angle (1kHz, -6dB)	180 °
Speaker Component	130 mm Dynamic Full-range Loudspeaker
Certified	EN 54-24:2008
MTBF	350,000 hours
Safety	Acc. to EN 60065
Safety Components	Thermistor, Capacitor, Ceramic connector
Material & Finish	Frame: Treated Steel, white Grille: Treated Steel, white Enclosure: Treated Steel, white
Dimensions	Dia. 200 x 90 mm
Weight	0.93 kg

PAVA SPEAKERS

EN CERTIFIED

WALL / SURFACE MOUNT 15.6.2

**EN 54-24:2008
CERTIFIED**

Highlight: Certified Box Speakers, Excellence in Sound and Safety

Discover the ultimate in sound performance and safety with our EN 54-24:2008 certified box speakers. Designed for robustness and clarity, these speakers are ideal for delivering precise audio in various settings, from commercial spaces to emergency environments. Each model offers exceptional durability and sound quality, ensuring compliance with the strictest safety standards. Whether for announcements or background music, our certified box speakers provide reliable and high-quality audio, making them the perfect choice for installations that demand the best in both performance and safety.



MB 506(EN) | Metal Box Speaker

The MB506(EN) Surface Mounted Wall Loudspeaker, EN 54-24:2008 certified, is ideal for spaces without false ceilings. Its 120 mm full-range driver and vented enclosure deliver clear audio in noisy environments. Equipped with a ceramic connector, thermistor, capacitor, and transformer for 70V/100V systems, it supports flexible mounting and features a durable enclosure with a metal mesh cover.



• MB 506(EN) •

**EN 54-24:2008
CERTIFIED**

WM 561W(EN) | Surface Mounted Wall Loudspeaker

The EN 54-24:2008 certified WM 561W(EN) uses a 120 mm dual-cone driver for clear sound in challenging areas. Its sleek white ABS enclosure fits easily into various interiors. Safety and performance are enhanced by a ceramic connector, thermistor, and capacitor.



• WM 561W(EN) •

**EN 54-24:2008
CERTIFIED**

WM 563(EN) | Surface Mounted Wall Loudspeaker

The WM 563(EN), EN 54-24:2008 certified, features a 120 mm full-range driver and a vented enclosure for spaces without false ceilings. A metal mesh cover, flexible mounting options, and a robust build ensure durability and clear sound. It also includes a ceramic connector, thermistor, and capacitor for reliable performance.



• WM 563(EN) •

**EN 54-24:2008
CERTIFIED**

RH 082(EN) | Fire Rated Paging Loudspeaker

The RH 082(EN) Fire Rated Paging Loudspeaker, EN 54-24:2008 certified, excels in high-noise areas. Its high-impact ABS body, IP65 rating, and swivel mounting bracket ensure reliable indoor/outdoor use. Safety features include a ceramic connector, thermistor, capacitor, and an integral 100V/70V transformer for dependable, clear speech.



• RH 082(EN) •

**EN 54-24:2008
CERTIFIED**

PAVA SPEAKERS

EN CERTIFIED

WALL / SURFACE MOUNT

MB 506(EN) | Metal Box Speaker

The MB506(EN) Surface Mounted Wall Loudspeaker is a versatile, high-performance solution designed for spaces without false ceilings, such as stairwells and concrete-ceiling rooms. Certified under EN 54-24:2008, it features a 120 mm dynamic full-range loudspeaker within a vented enclosure that enhances audio quality, excelling in high-noise environments. This speaker includes a ceramic connector, thermistor, capacitor, and a line-matching transformer for easy integration into 70V or 100V systems. Its flexible design supports horizontal or vertical mounting with the option to tilt for precise sound projection. The robust enclosure, coupled with a fine metal mesh cover for aesthetics and protection, ensures a secure and durable installation, delivering reliable, high-quality audio.



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WM 561W(EN) | Surface Mounted Wall Loudspeaker

The WM 561W(EN), certified under EN 54-24:2008, offers excellent audio performance with its 120 mm dual-cone full-range transducer, ideal for noisy environments. Its sleek white ABS enclosure blends well with any décor, making it suitable for schools, offices, and retail spaces. The speaker ensures clear, reliable sound and maintains a professional appearance in any setting. It also includes a ceramic connector, thermistor, and capacitor for enhanced safety and performance.



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Technical Specification

	MB 506(EN)
Rated Input	100V : 6 W (6 - 3 - 1.5 W)
Maximum Power	9 W
Rated Impedance	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)
Sensitivity (1W / rated at 1 m)	93 / 101 dB
Coverage Angle (1 kHz, -6 dB)	70 deg
Frequency Response	150 Hz - 20 kHz
Speaker Component	120 mm Dynamic Full Range Loudspeaker
Certified	EN 54-24:2008
Safety	Acc. to EN 60065
Material & Finish	Metal, White
Weight	3 kg

Technical Specification

	WM 561W(EN)
Rated Input	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.75 W)
Rated Impedance	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)
Maximum Power	9 W
Frequency Response	120 Hz - 20 kHz
Sensitivity 1W @ 1m	93 / 101 dB
Coverage Angle (1kHz, -6dB)	106 °
Speaker Component	120 mm Dual cone Full-range Loudspeaker
Certified	EN 54-24:2008
Safety	Acc. to EN 60065
Safety Components	Thermistor, Capacitor, Ceramic connector
Material & Finish	Enclosure/Case: Frame: Fire Retardant ABS, white
Dimensions	193 x 184 x 84 mm (W x H x D)
Weight	1.2 kg

PAVA SPEAKERS

EN CERTIFIED

WALL / SURFACE MOUNT

WM 563(EN) | Surface Mounted Wall Loudspeaker

Featuring EN 54-24:2008 certification, the WM 563(EN) is equipped with a 120 mm dynamic full-range loudspeaker, optimized for spaces without false ceilings like stairwells and concrete-ceiling rooms. Its vented enclosure and metal mesh cover enhance sound quality and protection, while flexible mounting options ensure precise sound projection. The robust design guarantees secure and durable installation. It also includes a ceramic connector, thermistor, and capacitor for enhanced reliability and performance.



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Technical Specification

	WM 563(EN)
Rated Input	100V : 6 W (6 - 3 - 1.5 W) 70V : 3 W (3 - 1.5 - 0.75 W)
Rated Impedance	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)
Maximum Power	9 W
Frequency Response	110 Hz - 20 kHz
Sensitivity 1W @ 1m	92 / 100 dB
Coverage Angle (1kHz, -6dB)	70 °
Speaker Component	120 mm Dynamic Full-range Loudspeaker
Certified	EN 54-24:2008
Safety	Acc. to EN 60065
Safety Components	Thermistor, Capacitor, Ceramic connector
Material & Finish	Enclosure: Frame: Fire Retardant ABS, white Grille: Aluminium Mesh, white
Dimensions	260 x 173 x 65 mm (W x H x D)
Weight	0.8 kg

RH 082(EN) | Fire Rated Paging Loudspeaker

When high ambient noise conditions—such as basement car parks, open-air theme parks, or industrial facilities—render ordinary PA loudspeakers inadequate, the RH 082(EN) Fire Rated Paging Loudspeaker provides a reliable solution. Constructed from high-impact ABS and protected against dust and water to IP65 standards, it ensures long-lasting performance in both indoor and outdoor environments. Certified under EN 54-24:2008, the RH 082(EN) incorporates essential safety components including a ceramic connector, thermistor, and capacitor, ensuring dependable operation within emergency voice alarm systems. Equipped with an integral 100V/70V line transformer and a swivel mounting bracket, it allows for easy installation, optimal sound dispersion, and effective speech intelligibility in even the most challenging acoustic settings.



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Technical Specification

	RH 082(EN)
Rated Input	100 V : 20 W (20 - 10 - 5 W) 70 V : 10 W (10 - 5 - 2.5 W)
Rated Impedance	500 Ω (500 - 1k - 2k Ω)
Maximum Power	30 W
Frequency Response	250 Hz - 12.5 kHz
Sensitivity 1W @ 1m	113/125 dB
Coverage Angle (1kHz, -6dB)	165°
Safety	Acc. to EN 60065
Operating Temperature	-25 °C to 55 °C
Certified	EN 54:24:2008
Dust & Water Protection	IP65 (acc. to IEC 529)
Material & Finish	Horn flare: ABS, white Reflector horn: ABS, white Bracket: Aluminium, white Screw/Bolt: Stainless steel
Dimensions	Dia. 220 x 160mm
Weight	1.48 kg

PAVA SPEAKERS

WALL MOUNT 15.7

WM 561W | Surface Mounted Wall Loudspeaker

The WM 561W Wall Loudspeaker is designed to enhance public address systems in spaces like staircases and rooms with concrete ceilings. Featuring a 120 mm dual-cone full-range transducer, it provides excellent speech and music reproduction, even in noisy environments. Its robust white ABS enclosure ensures durability and a superior performance while maintaining a clean, unobtrusive design. The minimalist enclosure blends seamlessly with various architectural styles, making it ideal for schools, offices, or retail spaces where aesthetics are crucial. The WM 561W delivers clear, reliable audio and enhances the professional appearance and ambiance of any setting.



WM 561W



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Technical Specification

	WM 561W
Rated Input	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.75 W)
Rated Impedance	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)
Maximum Power	9 W
Frequency Response	120 Hz - 20 kHz
Sensitivity 1W @ 1m	93 / 101 dB
Coverage Angle (1kHz, -6dB)	106 °
Speaker Component	120 mm Dual cone Full-range Loudspeaker
Safety	Acc. to EN 60065
Material & Finish	Enclosure/Case: ABS, white
Dimensions	193 x 184 x 84 mm (W x H x D)
Weight	1.2 kg

WM 560 | 6W Surface Mounted Wall Loudspeaker

The WM 560 is a compact 6W Surface Mounted Wall Loudspeaker designed for spaces like staircases and corridors without false ceilings. It offers a simple, sleek design that enhances room aesthetics without the clutter of traditional speakers. Engineered for clear sound reproduction, the WM 560 provides the functionality of larger loudspeakers in a smaller, minimalist form. This speaker is ideal for improving audio in less conventional spaces, delivering clear, reliable sound while maintaining a low profile. It represents modern audio engineering with a perfect balance of form and function, making it a valuable addition to any audio setup.



WM 560



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Technical Specification

	WM 560
Product Description	Surface Mounted Wall Loudspeaker
Rated Input	100 V : 6 W (6W - 3W)
Impedance	1.667kΩ / 3.33 kΩ
Maximum Power	9 W
Frequency Response	105Hz - 16kHz
Sensitivity 1W @ 1m	90±1DB
Coverage Angle (1kHz, -6dB)	90 °
Speaker Component	Woofer: 103mm
Safety	IEC-62368-1:2018
Material & Finish	Enclosure: PP
Dimensions	179 x 145 x 73mm
Weight	365 gram

PAVA SPEAKERS

WALL MOUNT

WM 563 | Surface Mounted Wall Loudspeaker

WM 512 | Surface Mounted Wall Loudspeaker

The WM 563 and WM 512 Surface Mounted Wall Loudspeakers are versatile solutions designed to cater to a wide range of applications. These units are ideally suited for installation in spaces lacking a false ceiling, such as stairwells and rooms with concrete ceilings. Equipped with a 120 mm dynamic full-range loudspeaker component, the WM 563 and WM 512 excel in delivering exceptional speech and music reproduction, even in environments with high ambient noise levels.

These speakers feature a vented enclosure meticulously crafted to enhance sound quality. At the front baffle, a fine metal mesh cover adds to the aesthetics while providing protection. The WM 563 and WM 512 are equipped with a multiple-tapping line-matching transformer, making them compatible with 70V or 100V line distributed speaker systems. The flexible design allows these loudspeakers to be mounted either horizontally or vertically, all while concealing any visible mounting screws. Additionally, they can be tilted to ensure precise sound projection. The robust enclosure is specifically engineered for permanent installation, preventing any unauthorized removal of the unit and ensuring long-lasting performance.



WM 563



WM 512

WM 562 | 6W Surface Mounted Wall Loudspeaker

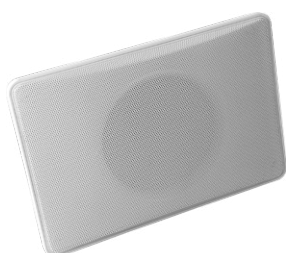
WM 511 | 12W Surface Mounted Wall Loudspeaker

The WM Series introduces two exceptional models, the WM 562 and WM 511 Surface Mounted Wall Loudspeakers, designed to provide versatile and high-quality audio solutions for any space. The WM 562, with a 6W output, and the WM 511, offering a 12W output, are crafted to meet diverse audio needs, from subtle background music to clear, prominent announcements. Characterized by their thinnest depth and seamless mesh design, these speakers blend effortlessly into their surroundings while delivering superior sound performance.

Whether it's for retail environments, offices, or hospitality spaces, the WM series exemplifies sleek design combined with acoustic precision. The WM 562 and WM 511 set new standards for wall-mounted loudspeakers, offering unmatched versatility and sound quality in sleek, contemporary designs. Perfect for any application where space is at a premium but compromise on audio quality is not an option, these speakers ensure that superior sound is always within reach.



WM 562



WM 511

Technical Specification

	WM 563	WM 512
Rated Input	100V : 6 W (6 - 3 - 1.5 W) 70V : 3 W (3 - 1.5 - 0.75 W)	100V : 12 W (12 - 6 - 3 W) 70V : 6 W (6 - 3 - 1.5 W)
Rated Impedance	1.7 kΩ (1.7 - 3.3 - 6.7 kΩ)	0.83 kΩ (0.83 - 1.7 - 3.3 kΩ)
Maximum Power	9 W	18 W
Frequency Response	110 Hz - 20 kHz	110 Hz - 20 kHz
Sensitivity 1W @ 1m	92 / 100 dB	92 / 103 dB
Coverage Angle (1kHz, -6dB)	70 °	70 °
Speaker Component	120 mm Dynamic Full-range Loudspeaker	120 mm Dynamic Full-range Loudspeaker
Safety	Acc. to EN 60065	Acc. to EN 60065
Material & Finish	Enclosure: ABS, white Grille: Aluminium Mesh, white	Enclosure: ABS, white Grille: Aluminium Mesh, white
Dimensions	260 x 173 x 65 mm (W x H x D)	260 x 173 x 65 mm (W x H x D)
Weight	0.8 kg	1 kg



SCAN HERE TO KNOW MORE

Technical Specification

	MW 560	WM 511
Rated Input	100 V : 6 W (6W - 3W-1.5W)	100 V : 12 W (12 - 6 - 3 W)
Impedance	1.667KΩ / 3.33 kΩ /6.67kΩ	833Ω /1.667KΩ / 3.33 kΩ
Maximum Power	9 W	15 W
Frequency Response	100Hz-16KHz	100Hz-17KHz
Sensitivity 1W @ 1m	92±1DB	93±1DB
Coverage Angle (1kHz, -6dB)	120°	120°
Speaker Component	Woofer: 135mm	Woofer: 166mm
Safety	IEC-62368-1:2018	IEC-62368-1:2018
Material & Finish	Enclosure: PP, white Mesh : Aluminium	Enclosure: PP, white Mesh : Aluminium
Dimensions	247 x 170 x 62MM	247 x 170 x 62MM
Weight	0.66 kg	0.68 kg



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PAVA SPEAKERS

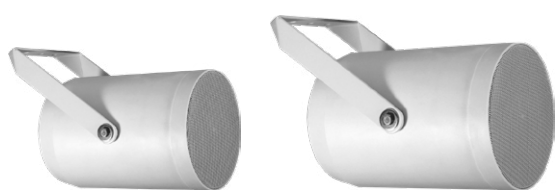
WALL MOUNT

PLS 610 | Projector Loudspeaker

PLS 630 | Projector Loudspeaker

Using standard PA loudspeakers in locations with high ambient noise, such as basement car parks, open-air theme parks, or heavy machinery rooms, often falls short in effectively conveying messages to listeners amidst challenging acoustic conditions. The PLS Series Projector Loudspeakers offer an optimal solution for speech reproduction and sound distribution in such demanding environments. These units are constructed from high-impact ABS material, combining strength with lightweight properties and exceptional resistance to corrosion and UV exposure. Moreover, they boast a dust and water protection rating of IP65 (compliant with IEC 529 standards), making them well-suited for outdoor applications subjected to harsh environmental conditions.

The PLS Series Projector Loudspeakers have been thoughtfully designed to support 100V/70V line distributed loudspeaker systems, ensuring versatility in various audio setups. Additionally, they come equipped with a swivel mounting bracket, allowing for precise positioning adjustments to enhance sound projection and coverage. Whether it's in an expansive open-air space or within the confines of a noisy machinery room, these loudspeakers are engineered to deliver clear and impactful audio, making them a dependable choice for challenging acoustic scenarios.



PLS 610

PLS 630

Technical Specification

	PLS 610	PLS 630
Rated Input	100 V : 10 W (10 - 5 - 2.5 W)	100 V : 30 W (30 - 15 - 7.5 W)
Rated Impedance	1 kΩ (1 - 2 - 4 kΩ)	330 Ω (330 - 670 - 1300 Ω)
Maximum Power	15 W	45 W
Frequency Response	150 Hz - 15 kHz	100 Hz - 16 kHz
Sensitivity 1W @ 1m	92 / 102 dB	92 / 106 dB
Coverage Angle (1kHz, -6dB)	180°	180°
Speaker Component	120 mm Dynamic Full-range Loudspeaker	160 mm Dynamic Full-range Loudspeaker
Safety	Acc. to EN 60065	Acc. to EN 60065
Operating Temperature	-10 to 58°C	-10 to 58°C
Dust & Water Protection	IP65	IP65
Material & Finish	Enclosure: ABS, white Grille: Treated Steel, white Bracket: Treated Steel, white	Enclosure: ABS, white Grille: Treated Steel, white Bracket: Treated Steel, white
Dimensions	Dia. 138x205 mm	Dia. 161x240 mm
Weight	1.32 kg	1.90 kg



SCAN HERE TO KNOW MORE

PLS 510W · PLS 510B | 10W Projection Loudspeaker

PLS 520W · PLS 520B | 20W Projection Loudspeaker

The PLS Series Projection Loudspeakers, encompassing the PLS 510W/B and PLS 520W/B models, introduce a dynamic audio solution tailored for versatile installation environments. Available in both white (W) and black (B) variants, these projection loudspeakers are designed to cater to different aesthetic preferences while ensuring superior sound dispersion. The PLS 510W/B, with its 10W output, is ideal for clear, focused sound in smaller areas or where nuanced audio is required. The PLS 520W/B, offering a more robust 20W output, is suited for larger spaces needing comprehensive sound coverage.

Both models embody flexibility and audio excellence, making them suitable for a variety of applications, from outdoor areas to acoustically challenging indoor spaces. The PLS 510W/B and PLS 520W/B projection loudspeakers stand out for their adaptability and audio performance, offering an effective solution for projecting clear sound across various settings. Whether enhancing the auditory landscape of a public space or providing directed audio for specific applications, these speakers merge functionality with sleek, modern design to meet diverse audio needs.



PLS 510W · PLS 520W

PLS 510B · PLS 520B

Technical Specification

	PLS 510W	PLS 520W	PLS 510B	PLS 520B
Rated Input	100 V : 10 W (10 - 5W)	100 V : 20 W (20-10 W)	100 V : 10 W (10 - 5W)	100 V : 20 W (20-10 W)
Impedance	1.0 kΩ/2.0 kΩ	500/1.0 kΩ	1.0 kΩ/2.0 kΩ	500/1.0 kΩ
Maximum Power	20 W	30 W	20 W	30 W
Frequency Response	100Hz - 17KHz	100Hz - 18KHz	100Hz - 17KHz	100Hz - 18KHz
Sensitivity 1W @ 1m	92dB ±1dB	93dB ±1dB	92dB ±1dB	93dB ±1dB
Coverage Angle (1kHz, -6dB)	120°	120°	120°	120°
Speaker Component	Woofers: 135mm	Woofers: 135mm	Woofers: 135mm	Woofers: 135mm
Safety	IEC-62368-1:2018	IEC-62368-1:2018	IEC-62368-1:2018	IEC-62368-1:2018
Material & Finish	Enclosure: ABS, white	Enclosure: ABS, white	Enclosure: ABS, black	Enclosure: ABS, black
Dimensions	Ø167*220mm	Ø167*220mm	Ø167*220mm	Ø167*220mm
Weight	0.8 kg	0.8 kg	0.8 kg	0.8 kg



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PAVA SPEAKERS

COLUMN SPEAKER 15.8

[VC 520 | Column Loudspeaker](#)

[VC 540 | Column Loudspeaker](#)

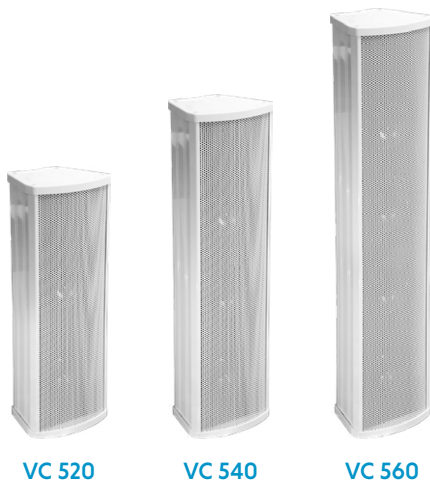
[VC 560 | Column Loudspeaker](#)



SCAN HERE TO KNOW MORE

The VC Series stands out as the perfect choice when sound projection becomes paramount, particularly in environments with challenging acoustic conditions characterized by excessive reverberation. These column speakers are thoughtfully engineered to possess a wide horizontal angle, extending the reach of their sound coverage, while maintaining a narrow vertical angle to enhance directivity. The result is a meticulously designed solution that optimizes audio dispersion for optimal clarity and reach in challenging spaces.

In terms of construction, the VC Series speakers feature robust die-casted and extruded aluminum, offering not only durability but also an aesthetic appeal that seamlessly blends with various architectural styles. Each model within the VC Series is equipped with a matching transformer, catering to both 70V and 100V line setups. The series comprises three distinct models: VC 520, VC 540, and VC 560. These models differ in their rated power and offer multiple power tapping options, allowing for precise customization to meet the specific needs of the acoustic environment. Whether it's in a large auditorium, a reverberant hall, or any space where sound projection is a critical factor, the VC Series shines as a reliable choice for achieving clear and effective audio delivery.



VC 520

VC 540

VC 560

Technical Specification

	VC 520	VC 540	VC 560
Rated Input	100V : 20W (20-15-10W) 70V : 10W (10-7.5-5W)	100V : 40W (40-30-20W) 70V : 20W (20-15-10W)	100V : 60W (60-50-40W) 70V : 30W (30-25-20W)
Rated Impedance	500Ω (500-667-1000Ω)	250Ω (250-333-500Ω)	133Ω (133-200-250Ω)
Frequency Response	90 Hz ~ 16 kHz	90 Hz ~ 16 kHz	90 Hz ~ 16 kHz
Sensitivity 1W @ 1m	91/104 dB	91/107 dB	91/109 dB
Speaker Component	131 mm Full-range x 2nos.	131 mm Full-range x 4nos.	131 mm Full-range x 5nos.
Dust & Water Protection	IP65 (acc. to IEC 529)	IP65 (acc. to IEC 529)	IP65 (acc. to IEC 529)
Material & Finish	Enclosure: Aluminium, white Grille: Treated Steel, white	Enclosure: Aluminium, white Grille: Treated Steel, white	Enclosure: Aluminium, white Grille: Treated Steel, white
Dimensions	132 x 355 x 115 mm (W x H x D)	132 x 576 x 115 mm (W x H x D)	132 x 683 x 115 mm (W x H x D)
Weight	2.6 kg	4.2 kg	4.8 kg

[VH 680 | Column Loudspeaker](#)

[VH 6100 | Column Loudspeaker](#)

[VH 6120 | Column Loudspeaker](#)



SCAN HERE TO KNOW MORE

The VH Series stands as our high-powered outdoor column speaker range, tailored to excel in high ambient noise environments and wide coverage applications. Thanks to its impressive power and sensitivity, these speakers find common application in outdoor settings like fields, stadiums, halls, and arenas. The column speakers boast a design featuring 6" speaker drivers aligned on a single baffled board, ensuring uncompromised speech reproduction and high-quality music playback.

Constructed from die-casted and extruded aluminum, these column speakers exhibit both durability and aesthetic appeal. To accommodate various setups, all models come equipped with a matching transformer, catering to both 70V and 100V line configurations. The VH Series offers three distinct models: VH 680, VH 6100, and VH 6120, allowing you to select the perfect fit for your specific outdoor audio requirements.



VH 680

VH 6100

VH 6120

Technical Specification

	VH 680	VH 6100	VH 6120
Rated Input	100V : 80W 70V : 40W	100V : 100W 70V : 50W	100V : 120W 70V : 60W
Rated Impedance	125Ω	100Ω	83.3Ω
Frequency Response	90 Hz ~ 16 kHz	90 Hz ~ 16 kHz	90 Hz ~ 16 kHz
Sensitivity 1W @ 1m	110 dB	111 dB	112 dB
Speaker Component	166 mm Full-range x 4nos.	166 mm Full-range x 5nos.	166 mm Full-range x 6nos.
Dust & Water Protection	IP65 (acc. to IEC 529)	IP65 (acc. to IEC 529)	IP65 (acc. to IEC 529)
Material & Finish	Enclosure: Aluminum, white Grille: Treated Steel, white Mounting bracket: Metal, white	Enclosure: Aluminum, white Grille: Treated Steel, white Mounting bracket: Metal, white	Enclosure: Aluminum, white Grille: Treated Steel, white Mounting bracket: Metal, white
Accessory	Mounting Bracket	Mounting Bracket	Mounting Bracket
Dimensions	225 x 950 x 120 mm (W x H x D)	225 x 1170 x 120 mm (W x H x D)	225 x 1385 x 120 mm (W x H x D)
Weight	11 kg	13 kg	15.2 kg

PAVA SPEAKERS

HORN SPEAKER 15.9

RH 082 | ABS Paging Horn Loudspeaker

RH 113 | ABS Paging Horn Loudspeaker

The RH Series is purpose-built for applications in environments where high ambient noise levels prevail, such as basement car parks, open-air theme parks, or noisy heavy machinery rooms. These ABS paging horn loudspeakers within the RH Series offer an optimal solution for speech reproduction and sound distribution in such challenging conditions. Crafted from high-impact ABS material, these units strike a perfect balance between strength and lightweight design, ensuring durability, and resistance to corrosion and UV exposure.

To withstand the rigors of harsh environmental conditions, these speakers are rated for dust and water protection to IP65 standards (compliant with IEC 529). The RH Series is available in two distinct models, both transformerized for 70V/100V line distributed speaker systems, ensuring versatility in audio setups. Additionally, they come complete with a swivel mounting bracket, allowing for precise positioning adjustments, ensuring that sound projection and coverage meet the specific demands of the environment. Whether deployed in an open-air setting or within the clamor of a machinery room, the RH Series speakers are engineered to deliver clear and impactful audio, making them a reliable choice for challenging acoustic scenarios.



RH 082



RH 113

Technical Specification

	RH 082	RH 113
Rated Input	100 V : 20 W (20 - 10 - 5 W) 70 V : 10 W (10 - 5 - 2.5 W)	100 V : 30 W (30 - 15 - 7.5 W) 70 V : 15 W (15 - 7.5 - 3.8 W)
Rated Impedance	500 Ω (500 - 1k - 2k Ω)	330 Ω (330 - 667 - 1.3k Ω)
Maximum Power	30 W	45 W
Frequency Response	250 Hz - 12.5 kHz	250 Hz - 10 kHz
Sensitivity 1W @ 1m	113/125 dB	115/130 dB
Coverage Angle (1kHz, -6dB)	165°	160°
Safety	Acc. to EN 60065	Acc. to EN 60065
Operating Temperature	-25 °C to 55 °C	-25 °C to 55 °C
Dust & Water Protection	IP65 (acc. to IEC 529)	IP65 (acc. to IEC 529)
Material & Finish	Horn flare: ABS, white Reflector horn: ABS, white Bracket: Aluminium, white Screw/Bolt: Stainless steel	Horn flare: ABS, white Reflector horn: ABS, white Bracket: Aluminium, white Screw/Bolt: Stainless steel
Dimensions	Dia. 220 x 160mm	Dia. 285 x 205mm
Weight	1.48 kg	1.86 kg



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RH 125 | 50W Aluminum Horn Loudspeaker

RH 126 | 60W Aluminum Horn Loudspeaker

Introducing the new RH Series models, the RH 125 (50W Horn Speaker) and RH 126 (60W Horn Speaker), designed for high-power applications and demanding outdoor settings. These speakers uphold the RH Series' legacy of durability and performance with robust zinc die-casting construction. Ideal for a variety of public facilities, they exceed the IP66 rating, showcasing their ability to endure harsh environmental conditions. Both the RH 125 and RH 126 have environmental test certifications, highlighting their resilience against extreme weather, dust, and water. Their easy installation, with included mounting brackets, ensures they are versatile solutions for outdoor sound distribution and speech reproduction.



RH 125



RH 126

Technical Specification

	RH 125	RH 126
Rated Input	50W	60W
Frequency Response	200HZ- 6Khz	200HZ- 6Khz
SPL (1W/m)	111dB	113dB
Transformer Taps	50W - 30W -15W -COM (100V) 50W - 25W -15W -7.5W (70V)	60W - 30W -15W -COM (100V) 60W - 30W -15W -7.5W (70V)
Normal Impedance	8 Ω	16 Ω
Operating Temperature	-60C - 50C	-60C - 50C
Dust & Water Protection	IP 66	IP 66
Material & Finish	ALU/RAL7042	ALU/RAL7042
Dimensions	500 X 463 mm	500 X 463 mm
Weight	2.9 KG	3.0KG



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Specialized Speakers for Precision Audio in Demanding Environments

Discover our specialized line-up of ceiling speakers designed for precise audio performance in the most demanding environments. Whether for cleanrooms, marine settings, or other specialized applications, our speakers offer superior sound clarity, durability, and compliance with industry standards. Perfectly suited for environments requiring stringent hygiene, resistance to harsh conditions, and reliable audio delivery, our ceiling speakers ensure consistent and high-quality sound for any critical area.



CCS 461E | Cleanroom Speaker

The CCS 461E is a refined Cleanroom ceiling speaker with a peak power of 9W, specifically designed for cleanroom environments. Its IP 66 rating ensures it suitability to deploy in the environments like semiconductor fabrication facilities, wafer fabs, food processing plants, pharmaceutical manufacturing, and other industries demanding high standards of cleanliness. The speaker offers excellent audio performance, delivering clear speech and high-quality music broadcasting. Its durable, easy-to-clean exterior meets the rigorous standards of cleanroom environments, making it an ideal choice for maintaining both functionality and compliance in critical areas.



CCS 461E



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Technical Specification

	CCS 461E
Maximum Power	9W
Rated Power	6W
Power Taps	6W/3W
Sensitivity (1m/1W)	88dB
Max SPL (1m/6W)	95dB
Effective Frequency Range	190Hz - 20kHz
Input Voltage	100V
Rated Impedance	8Ω
Connector	Three-core cable
Operating Temperature	-25°C to +55°C
Storage Temperature	-40°C to +70°C
Relative Humidity	<=95%
Speaker Size	4"
Panel	ABS
Grille	White aluminum mesh
Product Color	White (RAL9016)
Dimensions	Dia. 140 x 80mm
Weight	0.795kg

MCS 625E | Marine Ceiling Speaker

Introducing the MCS 625E Marine Ceiling Speaker, designed to deliver exceptional audio quality in marine environments. With a rated power of 25W and a maximum power of 45W, this speaker ensures robust sound performance. Its wide frequency response range from 95Hz to 20kHz and a sound pressure level of 90dB±3dB guarantee clear and powerful audio output. The speaker's durable construction, including a dia. 80 X 32 X 12 Y30 magnet and 760g total weight, ensures reliable performance in demanding conditions. The MCS 625E is built to withstand harsh marine conditions with features like magnetic leak protection, heat resistance, humidity resistance, and cold resistance, making it an ideal choice for any marine audio installation.



MCS 625E



SCAN HERE TO KNOW MORE

Technical Specification

	MCS 625E	Test Condition
Rated Power	25W	Pink at 20°C, 1013 millibar
Rated Max. Power	45W	Pink at 20°C, 1013 millibar
Rated Impedance	80±5%	CLIO-Impedance Analysis
Resonance Freq.	95Hz±10%	CLIO-Impedance Analysis
Freq. Response	95-20kHz	CLIO-Frequency Response
Sound Pressure Level	90dB±3dB	CLIO: At 1/W/M
Harmonic Distortion	<=5%	At 90 dB
Pure Tone	OK	Sine single 9V, 50-20000Hz
Magnetic Leak	2 gauss	
Magnet	dia. 80 X 32 X 12 Y30	
V.C. Nominal Dia.	Dia. 20.4 X 28 X 0.14 x 6.8 ohm PSV	
Total Weight	760g (27 OZ)	
Polarity	5.2 mm is "anode", 2.8 mm is "cathode"	
Drop Test	100cm ± 2cm 60°±5°	
Heat Test	At 55°C ± 2°C, 16 hours	
Humidity Test	At 40°C ± 2°C, 90-95% R.H. 48 hours	
Cold Resistance	At -20 ± 1°C, 16 hours	
Load Test	Rated noise power with pink noise signal 100h: OK	
Dimension (mm)	Dia. 190 (6.5 inch)	
Install the Bore	Dia. 164 x (Dia. 4.5 x 4)	
Fatigue Test	Use pink at rated maximum power for eight hours: OK	

SPECIALTY SPEAKERS

GD 8 | Outdoor Garden Loudspeaker

The GD 8 has been meticulously crafted for outdoor garden applications, addressing the need for uniform sound coverage across expansive areas while maintaining uncompromised audio clarity. This full-range garden loudspeaker effortlessly delivers exceptional sound quality and performance, whether it's for public announcements or background music playback. At its core, the unit features a dual-cone dynamic 166 mm loudspeaker component, thoughtfully treated for waterproofing to ensure reliable outdoor use.

Encased within a compact HIPS enclosure, this loudspeaker stands up to the harshest outdoor weather conditions, boasting an IPX4 rating. Furthermore, it includes a built-in audio line matching transformer compatible with both 100V and 70V line distributed speaker systems, rated at 30W. The GD 8 is a reliable choice for transforming your outdoor spaces into immersive and acoustically refined environments, enhancing the overall experience of your garden or outdoor area.



GD 8

Technical Specification

GD 8	
Rated Input	100 V : 30 W (30 - 15 - 7.5 W) 70 V : 15 W (15 - 7.5 - 3.8 W)
Rated Impedance	330 Ω (330 - 670 - 1330 Ω)
Maximum Power	45 W
Frequency Response	80 Hz - 18 kHz
Sensitivity 1W @ 1m	91 / 106 dB
Coverage Angle (1kHz, -6dB)	360 deg.
Speaker Component	166mm Dual cone loudspeaker component, waterproof treated
Safety	Acc. to EN 60065
Dust & Water Protection	IP65 (acc. to IEC 529)
Material & Finish	Top cover and base: ABS, black grey Speaker panel: ABS, black grey Legs: ABS, black grey
Dimensions	Dia. 268 x 320 mm
Weight	1.5 kg



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