



Company Profile

2023

PAVA, BGM and Professional
Public Address

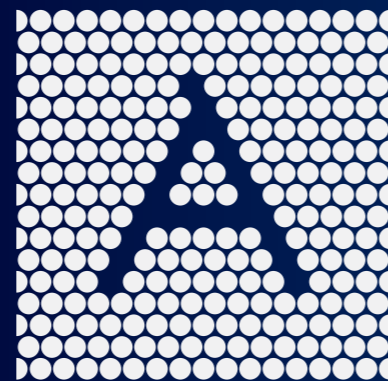




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AUDEMO is part of HP holding GmbH group



The holding is running several companies, while the team has more than 50 years of experiences. The development, engineering and production of the components takes place under our own facilities in Germany.

Our team structure has high level of homogeneity starting from R&D, design, production, sales, after sales and technical supports.

About Us

Audemo Systems is synonymous with high-fidelity audio communication systems for the safety and comfort of occupants in public and private spaces. We specialize in the engineering, manufacturing and distribution of public address, voice alarm and commercial audio systems for commercial, public, and residential buildings.

Our product development strategy is centered on achieving the highest possible levels of sound quality and speech intelligibility, backed by decades of research and development in electroacoustics and cross-sector expertise. Our product design philosophy is characterized by ease of use and seamless integration with building management systems. Our brand promise of 'Made in Germany' reflects the superiority of our research and development, quality of our products, and compliance with all international standards.

We have a no-compromise attitude and customer-centric company culture which allows us to engage with all our stakeholders, identify emerging needs, and respond with agility to any market requirement. This makes us uniquely positioned to offer the combined advantages of modularity, scalability, redundancy, and backward compatibility across our product range.



Features

- All our products are modular and easily expandable.
- Full networkable over TCP/IP media
- Dante enabled
- Dedicated fiber optic connectivity
- SIP Integration
- DSP based controller
- Friendly used interface
- Aesthetic view options for exposed items



Mission

We harness the potential of digital audio to deliver the right message and music at the right time and place.



Vision

To augment safety and spatial experience with the power of electroacoustics.

Our Applications

Scalable for every building and application

Education • Health • Hospitality • Military • Industrial • Theme Parks • Residential
Correction Facilities • Ministries • Retails • Transporation • Stadiums and Arenas

IP based Intercom System

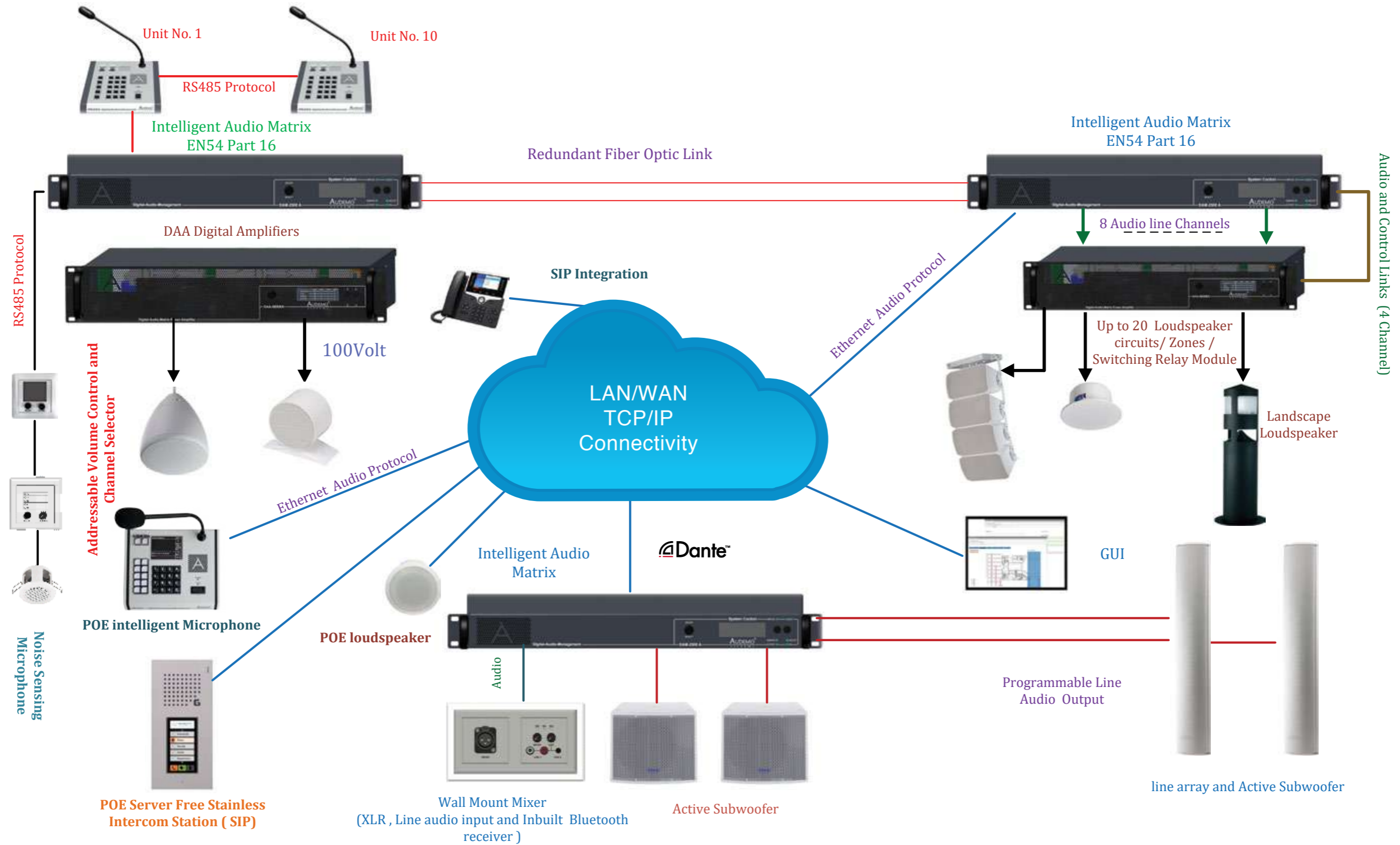
Public Address and Voice Alarm System

IP based Public Address System

Audio Visual Control System

Connectivity and Structure

PAVA and Commercial Audio Connectivity



Digital Audio Matrix DAM-2500 A



EN 54 16

Supported by UI-BA Graphics user interface and windows based tablet








Technical Features

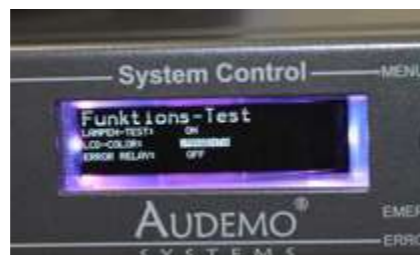
- Matrix 8x 8, expandable
- Matrix 16 x 16 expandable- DAM2500 B
- Inbuilt equalizer, AGC, HPF and mixer
- Inbuilt delay function and time
- Inbuilt software digital time event control module DCM-2881 A
- 4GB (48 KHz+ 16 bit) message storage
- Five control input/output
- 10 control module (optional) – model number DMSS-2033B
- Supports DMS2041 noise sensing microphone.
- Inputs (Mic) -50 dBu, 600 ohms, balanced
- Inputs (Line) -10 dBu, 10 kOhm, balanced
- Input phantom power and programmable VOX inputs
- Gain control - 42 dB
- Eight outputs 0/+6 dB, 600 ohms, balanced connection technology 2x RJ45, Bus type RS-485
- GPS port
- Optional dante module – Dual port DMS-2034 A
- Ethernet card – DMS-2036 A
- A/D converter and audio transmission : 48 KHz and 24 bits
- Fiber optic network card- DMS-2062 AM / DMS2062 AS
- Clock frequency: 172MHz
- Frequency response (-3dB) 20-20,000 Hz
- Distortion < 0.01%
- Signal-to-noise ratio 92 dB
- Power supply (main supply) 220-240 V AC, 50/60Hz
- Power supply (backup supply) 24 V DC

Display Function

The color of the backlighting of the display is switched depending on the activated operating mode.

The following assignments result

-  Snooze mode is active
-  Normal operation
-  Fault
-  Emergency status is active
-  Service mode is active



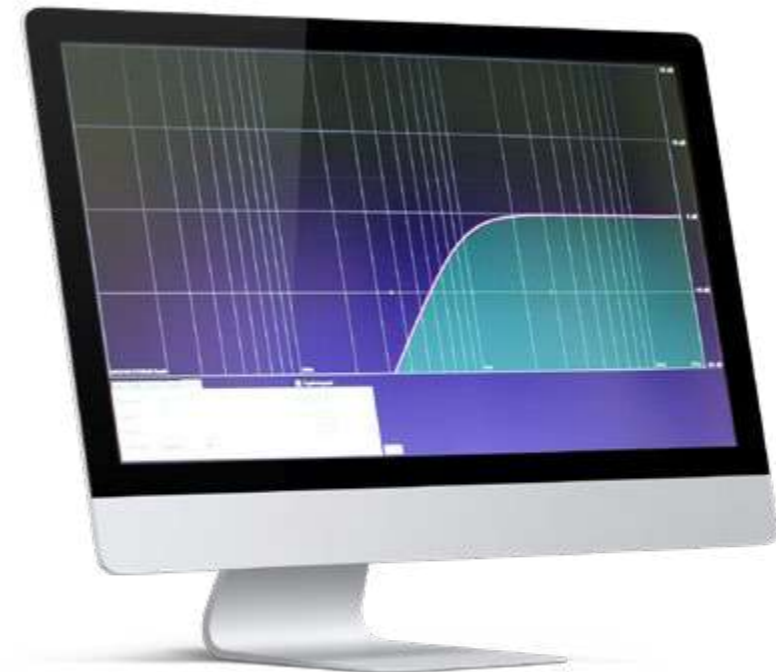
Digital Audio Matrix DPM-2500 A



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Technical Features

- Matrix 4 x 4
- Inbuilt equalizer, AGC, HPF and mixer
- Inbuilt software digital time event control module DCM-2881 A
- 4GB (48 KHz+ 16 bit) messages storage
- Five control input/output
- 10 control module (optional) – Model number DMSS-2033B
- Inputs (Mic) -50 dBu, 600 ohms, balanced
- Inputs (Line) -10 dBu, 10 kOhm, balanced
- Input phantom power and programmable VOX inputs
- Four outputs 0/+6 dB, 600 ohms, balanced connection technology 2x RJ45, Bus type RS-485.
- GPS port
- Optional dante module – dual Port DMS-2034 A
- Ethernet card – DMS-2036 A
- A/D converter and audio transmission : 48 KHz and 24 bits
- Fiber optic network card- DMS-2062 AM / DMS2062 AS
- Clock frequency: 172MHz
- Frequency response (-3dB) 20-20,000 Hz
- Distortion < 0.01%
- Signal-to-noise ratio 92 dB
- Power supply (main supply) 220-240 V AC, 50/60Hz
- Power supply (backup supply) 24 V DC



Equalizer tool
(For example: High Pass Filter)

Graphics User Interface UI-BA

Technical Features

- Windows based
- Initiate any pre-recorded message.
- Volume control for audio inputs (12 steps)
- Volume control for audio outputs (12 steps)
- Disable/Enable
- Source selection
- Events log- 50K events
- Faults log- 10 K fault
- Ability to import graphics and create icons



Digital-Programmable-Matrix-Relay-Unit DAM-2525 B for 2x DAM-2526 B



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Technical Features

- Each DAM-2525 B houses up to DAM-2526 B
- Provides up to 40 class A Programmable loudspeaker circuits
- Free share load output
- Pilot tone supervision method
- Primary :240 VAC , 50 Hz, secondary : 24 Vdc
- Technology connection: 2 x RJ45
- Bus type : RS485
- 10 Audio inputs (100 V)

Digital Audio Amplifiers (DAA Range)



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Models

DAA - 2371B DAA - 2372B DAA - 2372C DAA - 2370B
 DAA - 2374B DAA - 2374C DAA - 2350A DAA-2351 A

Technical Features

- 100 Volts type
- Four Line digital inputs
- Output power Load: 1 X 300 w, 2 x 400 W, 2 x 600 W, 1 x 600W, 4 x 300 W, 4 x600 W, 1x 500 W, 2 x 250 W, 1x 250 W
- Input sensitivity 1V, 10 kOhm, balanced
- Frequency range 20-20,000 Hz
- Signal-to-noise ratio >103 dB
- Crosstalk attenuation 85 dB
- Distortion < 0.29%
- Inbuilt equalizer 5 band
- Power supply (main supply) 220-240 V AC, 50/60 Hz
- Isolated PCB for each channel amplifier
- Inbuilt two cooling fans /Dust proof
- Inbuilt two temperature sensors
- Dedicated 24 VDC power for each amplifier channel
- Inbuilt digital audio amplifier control module- DAA-2310B
- Inbuilt Interface module RS232 – DAA-2387B

Digital Programmable Matrix Relay Module (DMS-2021 A & DMS -2022 A)

The digital programmable matrix relay module DMS-2021 A switches 10 separate 100V signals on all poles for controlling the speaker lines (Class A wiring) . A 10-channel output load distribution matrix in service-friendly plug-in technology and a slot for the digital line measurement are integrated. The internal controller with a 32-bit 100 MHz processor communicates via CAN interface and 2 RJ-45 system connection sockets with the higher-level system for automatic configuration and data transmission, as well as for permanent self-monitoring.

The switching state of the 10 freely programmable relay is indicated by LED. In connection with a DMS-2021 A, the Digital-Line-Measurement-Module DMS-2022 A offers the possibility to measure every single speaker line in defined, minute-preselect able measurement intervals The measuring tolerance can be set per line in 1% increments up to 25%. The module is connected using a system connector on the DMS-2021A adapted.



Low Impedance Class D Amplifier DAA 236-X Series

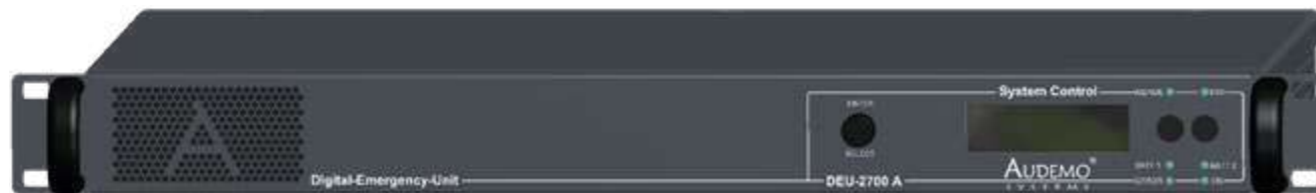
DAA- 2360 B (2 x 1000 W), DAA- 2362 A (2 x 250 W), DAA- 2364 B (4 x 500 W)



Technical Features

- 4-ohm type
- 240 VAC, 50Hz/60 Hz
- 2 X 1000W – 2 X 250 W- 4x 500 W (Continues Power)
- Input sensitivity 1V, 10 kOhm, balanced
- Frequency range 20-20,000 Hz
- Signal-to-noise ratio >103 dB
- Crosstalk attenuation 85 dB
- Distortion < 0.29%
- Inbuilt two cooling fans
- Temperature sensors
- RJ45 for control

Digital Emergency Unit- DEU-2700A



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Technical Features

- DEU-2700 A Digital-Emergency-Unit incl. Battery-Temperature-Sensor
- Up to six switching outputs
- Output current per switching output : 40 A
- 2 X RJ45 connection technology to main DAA controller
- Battery capacity up to 140 AH (24 V/ 2x 70 AH)
- Digital battery power extension module (Total : 12 Switching output)
- Sensing device: -50 ° to + 105 C° (up to two sensors)
- IP54 protection for the battery temperature sensor

Digital Paging Microphone DAM-2550A (PoE)



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Technical Features

- Numeric Keypad
- Function: Live Paging, Source Selection and Volume Control
- Electret cardioid
- Gooseneck length 280 mm
- Frequency response : (-3dBu) at 200- 15 KHz
- THD: Less than 1% @ 1 KHz
- Line input 100-500mV
- Power supply 48 V DC
- System connection RJ-45
- TCP/IP Based (POE) type Integral Touch Screen ¼ VGA Display Full color.

Digital Paging Microphone DPM-2550 A



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Technical Features

- Daisy chain up to 10 units over RS485- DPM- 2550A or DPM- 2550 B
- Built in Compressor/ Gate and AGC
- Numeric Keypad
- Function: Live Paging, Source Selection and Volume Control
- electret cardioid
- Gooseneck length 280 mm
- Talk button 1
- Line input 100-500mV
- Frequency response : (-3dBu) at 200- 15 KHz
- THD: Less than 1% @ 1 KHz
- Power supply 24 V DC through RJ45 port
- System connection RJ-45

PoE Microphone NET-5 CALL & IP Loudspeakers



Technical Features- Microphone NET-5 CALL

- Compatibility with NET-5 IP speakers
- Configurable to individual or group calls
- Allows any defined audio streams and alarms to be easily controlled by the user.
- Ability to stream the audio files from external music source or from the built-in files inside the SD of the NET-5 Call
- Inbuilt audio speaker (Monitor the Sound)
- Inbuilt Voltage free
- Multicast group paging
- Priority setting
- Touch screen display

Technical Features-loudspeaker

- Communication compatibility with NET-5 Call
- 15 Watts Wall mount and Ceiling types
- 4 ohm/ 16 ohm
- Supports MP3 audio format
- Sample rate: 8000- 47 kbits/s
- Supported by ARP/TC/IP, UDP,ICMP and IGMP protocol
- Types of power inputs: PoE 802.3af or PoE 802.3at and 12

Digital Paging Microphone -DAM-2570 A

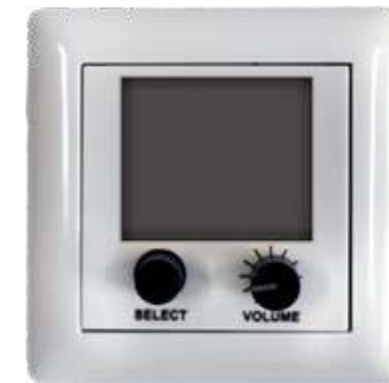


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Technical Features

- Set up as a self-sufficient housing in standardized dimensions
- Optional integration into larger housings possible
- Easy to use with the push-to-talk button on the hand microphone
- Already 10 freely programmable function keys available
- Up to 10 additional function key expansion modules, each with 10 keys, can be connected
- Permanent monitoring of all alarm-relevant parts
- Digital audio bus control for noise-free, synchronized switching to the audio bus
- Built-in low-noise microphone preamp
- Integrated dynamics processor to improve speech intelligibility in the event of an alarm by balancing the volume and suppressing overloads
- By-Pass Switch
- Integrated gate function which only opens the signal path when there is a direct microphone discussion
- Integrated concealed volume control
- Built-in concealed adjustable active 3-band tone control
- Studio AF output transformer DAM-2580 A (optional) for symmetrical, unearthed connection to the PADES ® 2000 system for maximum interference immunity and to eliminate ground loops, even over long transmission paths
- Permanent monitoring of all alarm-relevant parts

Volume Control & Channel Selector DPA-2274 B



Technical Features

- Selectable zones or input sources from 1 to 100
- Rotary switches for source/ zone Selector and volume selector
- Text on OLED 128 x 128 Pixel
- Selectable volume : -75 dB (off) bis 0 dB (max)
- 2 x RJ 45 Bus allows to daisy chain up to 24 units
- 24 V power supply from ELA system

Volume Control & Channel Selector DPA-2274 A



Technical Features

- Selectable zones/ sources up to 5
- Rotary switch control for zone/source selector
- One LED indicator for each list element
- Volume is Selectable from -75 dB bis 0 dB
- 2 X RJ45 daisy chain communication through digital network interface module (DMS-2064A)
- Ability to connect up to 24 units.
- Bus type: RS-485, galvanically isolated
- Power supply : 24 V DC via RJ45 receptable from ELA system

In-Wall Audio Mixer (2 Active Channels Mixer) DAE-2021



Bluetooth Receiver

Technical Features

The unit is used mainly as audio input to any audio visual or professional public address audio controller and power amplifier. The main features are listed below:

- An active 2-channel mixer for connecting and simultaneously operating one microphone with a balanced XLR input and integrated Phantom power
- Setting for high/low pass equalizer for XLR Port
- A stereo sound carrier signal with input on a pair of cinch sockets
- 3.5mm stereo jack line input
- Each input has a scaled volume control and an LED function display for individual volume adjustment

- The output sum level can be switched internally from 0 dB to +6 dB.
- The audio output is electronically balanced.
- Using a connection plug, a Bluetooth unit can be integrated, the model number is DAE-2036A.
- The Bluetooth receiver is produced with specific password for pairing. The password could be changed upon the request of the client
- In case of use of DAE-2036A, the three audio sources can be mixed.

Digital Classroom Panorama Stereo Sound Unit DAE-2029 A



Technical Features

- Active stereo mixer with a sensitivity input (-20dBu) for connecting a projector or LCD display audio output. The digital classroom panorama stereo sound unit.
- Offers excellent reproduction of speech and music with contemporary sound reinforcement quality.
- Inbuilt volume control ,LED signal activation and Mute input.
- Internal 2x45/30W low impedance (ohm) digital amplifier to drive loudspeakers
- Frequency response : 40 Hz- 20000 Hz
- High-quality sound reinforcement for classrooms or other similar locations up to a room size of approx. 70 m² possible.
- Expanded with the 2-channel extension unit DAE2022 B

- to include a microphone input (XLR socket) and a line input (3.5mm jack).
- Both inputs of the DAE-2022 B can be used simultaneously in mixed operation and the volume can be controlled independently of each other. A signal display for each input channel enables an uncomplicated control of the fed audio signal.
- The connection to the DAE-2029 A is made via a standard CAT7 cable
- Powered by 240 VAC 50 Hz/60 Hz and Dimensions (W × H × D) 155x 81 x 31 mm
- Installation is carried out with the optional concealed frame DAE-2023 A (W × H × D) 149x 80 x 68 mm

Noise Sensing Microphone- DMS-2041 A



Technical Features

- 24V DC from digital sound level bus logic module DMS-2064 A
- Control signal : bidirectional , digital
- Maximum cable length for measurement bus is 500 m
- Up to 24 daisy chain units per DMS 2041 A
- The cable type is CAT 6
- Fully supervised from the DAA controller

GPS- Radio Receiver Module -DCM-2860



Technical Features

- Power Supply: 24 V DC via 3- pin (Radio receiver connection on the DAA controllers)
- Connection cable: 3 pole, shielded cable with core cross section of 0.33- 2.5mm²
- Maximum connection length is up to 200m
- Temperature range is + 55 °C
- Protection class : IP54

Loudspeakers

CSFLD-06W-130

6 Watts Ceiling Loudspeaker - Frameless type

Applications

Public Address/Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
6/3/1.5 W Tapping	(89 Hz- 11.2 KHz) EN54-24, 1W/m :90 dB	80- 20000 Hz
Dimension	Dispersion	Maximum cable cross section
180x99 mm	6dB, 500Hz: h/v 180° 6dB, 4KHz: h/v 75°	4mm ²



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CSSP-06W-140

6 Watts Ceiling Loudspeaker - Frameless type (IP54)

Applications

Public Address/Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
6/3/1.5 W Tapping	(89 Hz- 11 kHz) EN54-24, 1W/1m : 80.5 dB	98- 20000 Hz
Dimension	Dispersion	Maximum cable cross section
140x98 mm	6dB, 500Hz: h/v 180° 6dB, 4KHz: h/v 81°	4mm ²



EN 54 24

CSSP-06W-140-LZ

6 Watts Ceiling Loudspeaker - Frameless type (IP54)

Applications

Public Address/Voice Alarm and Background Music		
Power	Sensitivity	Frequency Range
8 Ohm 6W	(89 Hz- 11 kHz) EN54-24, 1W/1m : 80.5 dB	98- 20000 Hz
Dimension	Dispersion	Maximum cable cross section
140x98 mm	6dB, 500Hz: h/v 180° 6dB, 4KHz: h/v 81°	4mm ²



EN 54 24

CSFD-06W-104

6 Watts Ceiling Loudspeaker - Frameless type

Applications

Public Address/Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
6/3/1.5 W Tapping	(89 Hz- 11 kHz)EN54-24, 1W/1m : 80.4dB	98- 20000 Hz
Dimension	Dispersion	Maximum cable cross section
104x100,5 mm	6dB, 500Hz: h/v 180° 6dB, 4KHz: h/v 81°	4.9mm ²



EN 54 24

CSFLD-20W-200

20 Watts Ceiling Loudspeaker - Frameless type

Applications

Public Address/Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
20/10/5 W Tapping	(89 Hz- 11 kHz) EN54-24, 1W/1m :97.8 dB	60- 17500 Hz
Dimension	Dispersion	Maximum cable cross section
265x115 mm	6dB, 500Hz: h/v 180° 6dB, 4KHz: h/v 60°	4mm ²



EN 54 24

CSFLD-50W-165

50 Watts Ceiling Two Way Loudspeaker - Frameless type

Applications

Public Address/Voice Alarm, Background Music and Audio Visual		
Power (100V)	Sensitivity	Frequency Range
50/25/12.5/6.25 W Tapping	(89 Hz- 11 kHz) EN54-24, 1W/1m :89.5 dB	65- 24000 Hz
Dimension	Dispersion	Maximum cable cross section
264x240 mm	6dB, 500Hz: h/v 180° 6dB, 4KHz: h/v 56°	4.9mm ²



EN 54 24

CSFD-30W-200

30 Watts Two-way Ceiling Loudspeaker

Applications

Public Address/ Voice Alarm, Background Music and Audio Visual		
Power (100V)	Sensitivity	Frequency Range
30/15/7.5/3.75 W Tapping	(89 Hz- 11 kHz) EN54-24, 1W/1m :89.8 dB	100 Hz – 19.2 KHz
Dimension	Dispersion	Maximum cable cross section
239.5x 254 mm	6dB, 500Hz: h/v 180° 6dB, 4KHz: h/v 62°	4.9mm ²



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CSFLD-25W-130

25 Watts Two-way Ceiling Loudspeaker - Frameless Type (Impact -resistant plastic housing)

Applications

Public Address/ Voice Alarm, Background Music and Audio Visual		
Power (100V)	Sensitivity	Frequency Range
25/12.5/6.25 W Tapping	(89 Hz- 11 kHz) EN54-24, 1W/1m :87.8 dB	104 Hz – 22.7KHz
Dimension	Dispersion	Maximum cable cross section
216.5 x 141mm	6dB, 500Hz: h/v 180° 6dB, 4KHz: h/v 72°	4.9mm ²



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CSFLD-10W-165

10 Watts Ceiling Loudspeaker -Frameless Type

Applications

Public Address/ Voice Alarm, Background Music and Audio Visual		
Power	Sensitivity	Frequency Range
10/5/2.5 W Tapping	(89 Hz- 11 kHz) EN54-24, 1W/4m:81.4 dB	63Hz – 16 KHz
Dimension	Dispersion	Maximum cable cross section
220 x 104 mm	6dB, 500Hz: h/v 180° 6dB, 4KHz: h/v 94°	4mm ²



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WCS-06W-ABS

6 Watts Wall Mount (Cabinet Type) Loudspeaker (Impact resistant housing)

Applications

Public Address/ Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
6/3/1.5 W Tapping	(89 Hz- 11 kHz) EN54-24, 1W/4m :72.9dB	125Hz – 21 KHz
Dimension	Dispersion	Connector
133X 133 x 72 mm	6dB, 500Hz: h/v 360° 6dB, 4KHz: h/v 110°	4 pin ceramic block IP Rating : IP 54



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HS-10W-ABS

10 Watts Horn Loudspeaker (IP66) (Impact resistant housing)

Applications

Public Address/ Voice Alarm		
Power (100V)	Sensitivity	Frequency Range
10/5/2.5/1.25 W Tapping	(89 Hz- 11 kHz) EN54-24, 1W/1m :95 dB	569Hz – 7 KHz
Dimension	Dispersion	Maximum cable cross section
142 x256 mm	6dB, 500Hz: h/v 360° 6dB, 4KHz: h/v 50°	8mm ²



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HS-30W-ABS

30 Watts Horn Loudspeaker (IP66) (Impact resistant housing)

Applications

Public Address/ Voice Alarm		
Power (100V)	Sensitivity	Frequency Range
30/20/10/5 W Tapping	(89 Hz- 11 kHz) EN54-24, 1W/1m: 97.9 dB	592Hz – 6.9 KHz
Dimension	Dispersion	Maximum cable cross section
238 x302 mm	6dB, 500Hz: h/v 155° 6dB, 4KHz: h/v 35°	8mm ²



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CLS-20W-AL

20 Watts Column Loudspeaker (IP66)

Applications

Public Address/Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
20/15/10/5 W Tapping	(89 Hz- 11 KHz) EN54-24, 1W/1m :92.5 dB	217Hz – 16.9 KHz
Dimension	Dispersion	Maximum cable cross section
510x 100 x92 mm	6dB, 500Hz: h =360° , v =124° 6dB, 4KHz: h =86° , v =14°	8mm ²
Aluminium Finish material		



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CLS-30W-AL

30 Watts Column Loudspeaker (IP66)

Applications

Public Address/Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
30/15/7.5 W Tapping	(89 Hz- 11 KHz) EN54-24, 1W/1m :93 dB	230Hz – 16.5 KHz
Dimension	Dispersion	Maximum cable cross section
700x 100 x92 mm	6dB, 500Hz: h =360° , v =114° 6dB, 4KHz: h =85° , v =13°	8mm ²
Aluminium Finish material		



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CLS-50W-AL

50 Watts Column Loudspeaker (IP66)

Applications

Public Address/Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
50/30/15/7.5 W Tapping	(89 Hz- 11 kHz) EN54-24, 1W/1m :94.7dB	250Hz – 15.8 KHz
Dimension	Dispersion	Maximum cable cross section
971x 100 x92 mm	6dB, 500Hz: h =360° , v =73° 6dB, 4KHz: h =98° , v =6°	8mm ²
Aluminium Finish material		



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PS-20W-AL

20 Watts Aluminium type Projector Loudspeaker (IP65)

Applications

Public Address/Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
20/15/10/5 W Tapping	(89 Hz- 11 KHz) EN54-24, 1W/1m :92.3 dB	800Hz – 16.7 KHz Frequency Response 150- 20000 Hz
Dimension	Dispersion	Maximum cable cross section
140 x163 mm	6dB, 500Hz: h /v =360° 6dB, 4KHz: h/v =55 °	8mm ²
Aluminium finish material		



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PS-20W-N-PL

20 Watts Projector Loudspeaker (IP65)

Applications

Public Address/Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
20/10/5 W Tapping	(89 Hz- 11 KHz) EN54-24, 1W/4m :76.4 dB	142 Hz – 14.3 KHz Frequency Response 112- 15800 Hz
Dimension	Dispersion	Maximum cable cross section
169 x 283.5 mm	6dB, 500Hz: h /v =360° 6dB, 4KHz: h/v =80 °/85 °	8mm ²
ABS material finish		



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BIPS-10-AL

10 Watts Bidirectional Projector Loudspeaker (IP65)

Applications

Public Address/Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
10/6/3/1.5 W Tapping	(89 Hz- 11 KHz) EN54-24, 1W/1m :89.6 dB	237Hz – 12.4 KHz Frequency Response 79- 17500 Hz
Dimension	Dispersion	Maximum cable cross section
201x 176x160 mm	6dB, 500Hz: h /v = 2x 130° 6dB, 4KHz: h/v =2 x 75 °	8mm ²
Aluminium housing		



EN 54 24

WMS-50W-ABS

50 Watts Two -way Wall Mount (Monitor) Loudspeaker (IP65)

Applications

Public Address/ Voice Alarm, Background Music and Audio Visual		
Power (100V)	Sensitivity	Frequency Range
50/25/12.5 /6.25 W Tapping	(89 Hz- 11 KHz) EN54-24, 1W/1m :84.8dB	52Hz – 24KHz Frequency Response 48 Hz- 24KHz
Dimension	Dispersion	Maximum cable cross section
326x 202 x 192 mm	6dB, 500Hz: h /v =360° 6dB, 4KHz: h/v =80 °/25 °	8mm ²
ABS material housing		



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WMS-30W-ABS

30 Watts Two -way Wall Mount (Monitor) Loudspeaker (IP65)

Applications

Public Address/ Voice Alarm, Background Music and Audio Visual		
Power (100V)	Sensitivity	Frequency Range
30/15/7.5 W Tapping	(89 Hz- 11 KHz) EN54-24, 1W/1m :82.4dB	60 Hz – 24KHz
Dimension	Dispersion	Maximum cable cross section
260 x 160x 152 mm	6dB, 500Hz: h /v =360° 6dB, 4KHz: h/v =120 °/40 °	8mm ²
ABS material housing		



EN 54 24

SS-20W-ABS

20 Watts Hemi – Sphere Two way Loudspeaker

Applications

Public Address/ Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
20/10/5/2,5 W Tapping	(89 Hz- 11.2 KHz) EN54-24, 1W/4m : 71.9 dB	80- 20000 Hz
Environment:	Dispersion	Maximum cable cross section
Indoor/outdoor IP65	6dB, 500Hz: h/v 360° 6dB, 4KHz: h/v 86°	8mm ²



EN 54 24

SS-60W-ABS

60 Watts Hemi – Sphere Two way Loudspeaker

Applications

Public Address/ Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
60/40/20/10 W Tapping	(89 Hz- 11 KHz) EN54-24, 1W/1m: 80.5 dB	80- 20000 Hz
Environment	Dispersion	Maximum cable cross section
Indoor/outdoor IP65	6dB, 500Hz: h/v 180° 6dB, 4KHz: h/v 81°	8mm ²



PB-3150WA

150 Watts Coaxial Horn loudspeaker (IP66)

Applications

Public Address/ Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
150/75/38W Tapping	(89 Hz- 11 KHz) EN54-24, 1W/4m : 84.7 dB SPL 1W/1m, peak: 104 dB	90- 19000 Hz
Dimension	Dispersion	Maximum cable cross section
315 X 305 X 350 mm	6dB, 500Hz: h/v 170°/180° 6dB, 4KHz: h/v 85°/70°	4.9mm ²



EN 54 24

PB-3250WA

250 Watts Coaxial Horn loudspeaker (IP66)

Applications

Public Address/ Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
250/125/63W Tapping	(89 Hz- 11 KHz) EN54-24, 1W/4m : 86.5 dB SPL 1W/1m, peak: 99.6 dB	85- 19000 Hz
Dimension	Dispersion	Maximum cable cross section
390 x 425x 418 mm	6dB, 500Hz: h/v 138°/152° 6dB, 4KHz: h/v 80°/70°	4.9mm ²



EN 54 24

PB-3100WA

Stackable Array Loudspeaker (Each array unit : 100 Watts)

Applications

Public Address/Voice Alarm and Background Music		
Power (100V)	Sensitivity	Frequency Range
100/50/25 W Tapping Power (8 ohm) 100 Watts	(89 Hz- 11 kHz)EN54-24, 1W/4m : 77dB	54 – 20000Hz
Dimension	Dispersion	Maximum cable cross section
340 x 250 x 190 mm	6dB, 500Hz: h/v 182°/224° 6dB, 4KHz: h/v 155°/74°	4 mm ²



EN 54 24

CS-06W-70-CS

6 Watts Compact Ceiling Loudspeaker

Applications

Public Address/Voice Alarm, Background Music and Audio Visual		
Power (100V)	Sensitivity	Frequency Range
6/3/1.5 W Tapping	(89 Hz- 11 KHz) EN54-24, 1W/1m : 85dB	100 Hz – 19 KHz
Dimension	Dispersion	Mounting
70 x 100 mm	6dB, 500Hz: h /v =180° 6dB, 4KHz: h/v =160°	Flush Mount or Surface Mount option



EN 54 24

SWA-1200 W

Active Subwoofer

Applications

Professional Live Audio		
impedance	SPL	Frequency Range
8 Ohm	1W/1m 100 dB	40 -250 Hz
Dimension	Distortion	Connection
450 X 456X 370 mm	Less than 0.02%	XLR/ 6.3 mm jack socket parallel



PLA-2861

Wall Mount Professional Line Array -120 W

Applications

Professional Live Audio	
Power (100V)	Frequency Range
120 W	150 Hz- 20 KHz
Dimension	Environment
height 1 meter	IP 55



DA-SL 130

Sound light Column Loudspeaker

Applications

Background Music		
Power (100V)	Sensitivity	Frequency Range
30 W	Sound Pressure Level @ 1Meter 101 dBA	125 Hz to 13 KHz
Dimension	Dispersion	Environment
160 mm x 1233 mm	360° (-10 dB)	IP 65



References

Allianz Headquarters-Head office 4 High-Rise Buildings (**Stuttgart**), Altstadttring Traffic Tunnel (**München**), Bechtle Headquarters (**Neckarsulm**), Water Park Nautiland (**Germany**), Continental Headquarter (**Hannover**), Convention Center (**Heidelberg**), Da Vinci comprehensive school and Four Sport Halls (**Potsdam**), Fiducia + GAD IT AG - Atruvia Campus (**Karlsruhe**), Swimming Outdoor Pool (**Rotten burg**), Fujitsu High Rise Tower (**Neckarsulm**), Indoor Swimming Pool (**Dachau**), interneu central warehouse (**Speyer**), District Hospital

(**Vilsbiburg**), Day Clinic ISAWA (**Guben**), Max Planck Institute for European legal history (**Frankfurt**), Oscar Paret School (**Freiberg**), PENNY logistics center (**Kronau**), Prinz Eugen Carre Apartment Buildings (**Munich**), Quartier hoch 4 High Rise Tower (**Mannheim**), RECARO Customer Center (**Schwäbisch**), ROFA Ice Rink (**Rosenheim**), Bayreuth City Hall (**Bayreuth**), Tunnel B10 (**Karlsruhe**), Tower at Mailänder Platz (**Stuttgart**), Stone Brewing (**Berlin**).



Safety and Serenity in Sound

AUDEMO[®]
SYSTEMS

AUDEMO - SYSTEMS GmbH (Headquarter)

Schatzbogen 62 81829 Munchen

Tel.: +49 (0) 89 1 4 56 78 47 - 0, Fax: +49 (0) 89 1 4 56 78 47- 2900

info@audemo-systems.de, www.audemo-systems.de, www.audemo-systems.com

AUDEMO Middle East General Trading (Middle East & North Africa)

P.O.BOX: 43594, Abu Dhabi, United Arab Emirates

Tel : +971 (02)6263836, info@audemo-me.com

