AUDIOCENTER
Dynamic Audio Solutions

Top Sound, Smart Value

Cultural & Tourism, Education, Hospitality, Commercial Complexes, and Business Conferences...

Artist

PROFESSIONAL FIXED INSTALLATION AUDIO SYSTEM INTEGRATION SOLUTIONS

- **Project Customization**
- **EASE&EASE Focus Acoustic Simulation**
- **Network Control**
- **Waterproof Rating IP54**
- **Digital Signal Transmission**
- **Zero-latency Backup Seamless Switching**
- **High-Sample-Rate Audio Processing**
- **Seamless Compatibility with PCs / Tablets / Mobiles**

BrainCore® Technology Inside

Dante™

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AUDIOCENTER INTERNATIONAL

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PROFESSIONAL FIXED INSTALLATION AUDIO SYSTEM INTEGRATION SOLUTIONS

Artist Professional Audio System Solutions leverage over 20 years of Audiocenter's research and application experience, seamlessly blending spatial art, cutting-edge technology, and acoustic design. This integration results in a one-stop audio system solution that meets diverse application needs with both aesthetic and acoustic consistency.

Artist Professional Audio System Solutions comprehensively address a wide range of application requirements. By avoiding the tonal inconsistencies that arise from mismatched products across different brands, these solutions ensure optimized system configuration. This not only effectively reduces the total project cost but also gives you a competitive edge in project operations. Additionally, it guarantees consistency in both image and performance.

Audiocenter International
European (Germany) R&D Center

CORE PHILOSOPHIES

Redefining the Future of
Fixed - Installation Audio System Integration Solutions

I Flexibility and Customization

Combining acoustic simulation with modular design to meet the acoustic needs of multiple scenarios, achieving precise sound coverage and flexible expansion.

II Aesthetic Design

The design seamlessly integrates with its surroundings, and the audio performance is perfectly synchronized with the visual elements, creating an immersive experience where sound is felt but the speakers remain invisible.

III Quality

Crafted from industrial-grade durable materials and rigorously tested to meet the IP54 rating, Artist equipment is designed to ensure stability and durability for up to 10 years. It is well-suited for use in dusty, humid, and other complex environments.

IV Risk Management

Our approach includes pre-simulation and safety certification, with comprehensive risk management throughout the entire process, ensuring predictable and reliable project investment returns.

V Environmental Protection

Utilizing RoHS - compliant plastic parts and energy - efficient Class D amplifiers (35% lower power consumption, standby power consumption less than 1W), with 92% of materials recyclable and FSC - certified packaging for a full - life - cycle carbon reduction, supporting green certification initiatives.

VI Smart Control

Network - enabled, compatible with multi - terminal operation via computer/ tablet/ smartphone, allowing remote real - time monitoring and adjustment of audio equipment. It also supports centralized network management and maintenance of multiple devices, simplifying installation, reducing costs, and ensuring convenient and efficient operation.

CORE TECHNOLOGIES

- **Top-tier German R&D Team**
- **Refined Product Technical Solutions**
- **Full-Solution Customization and Efficient Implementation**
- **Winning with Craftsmanship and Delivering Professional Value**

EASE® and EASE FOCUS® Acoustic Simulation

Project Customization German Craftsmanship

Network Control

Waterproof Rating IP54

Ultra-Fast Digital Signal Transmission

Zero - latency Backup Seamless Switching

High-Sample-Rate Audio Processing

Seamless Compatibility with PCs/Tablets/Mobiles

AUDIOCENTER
Dynamic Audio Solutions

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Audiocenter | Leader in Professional Audio System Solutions for 26 Years

Focus on Fixed Installation and System Integration: Driving the upgrade of auditory experience through technological innovation

REDIFINE YOUR EXPECTATIONS

■ System Architecture

• **Modular Design:** Modular design for flexible expansion to fit all scenarios.

• **Scalability:** Our system is designed to scale from small conference rooms to sports stadiums, meeting current needs and supporting future technological upgrades for 5-10 years.

• **Long-term Investment Protection:** Ensures long-term investment effectiveness by avoiding the need for repeated construction, ensuring **your** investment remains valuable over time.

■ Product Design

• **Form Follows Function:** This principle is a key element of our research and development process.

• **Aerospace - grade materials + patented acoustic structure:** Striking a balance between pure sound quality and aesthetic appearance.

• **Over 1000 hours of full - load testing for products:** Our products lead the industry in durability, ensuring long-term performance.

■ Installation and Commissioning

• **Plug - and - Play Architecture:** The plug - and - play architecture simplifies the installation process, making it future - proof.

• **On - site Acoustic Optimization:** Our professional teams perform on - site acoustic optimization, achieving sound pressure level uniformity of over 95% and a coverage error of less than dB2.

• **Consistent Auditory Experience:** We guarantee a uniform listening experience throughout the venue, ensuring high - quality sound in every corner.

■ Applications

• **Diverse Environments:** Stadiums, theaters, educational facilities, conference halls, religious venues, and other fixed-installation sites. We provide forward-thinking tailored solutions for these diverse environments.

• **Custom - made Solutions:** Our solutions are designed to meet a wide range of needs, including speeches, emergency broadcasting, and live performances, ensuring future-proof performance.

■ International Technical Support for Projects

• **Full - process Support:** Our International Technical Support Team, with over 20 years of experience, offers comprehensive support throughout the project lifecycle, ensuring seamless execution at every stage.

• **Precision Control:** From acoustic simulation (EASE GLL) to intelligent commissioning, we provide precise control over each link in the process, ensuring accurate management.

• **Complementary Project Management Consulting:** Our consulting services guarantee error - free delivery, ensuring your project is completed successfully and on time.

■ Qualifications and Technical Documentation

• **Comprehensive Documentation:** Acoustic design reports, safety certifications, load calculation documents, and other professional documentation are provided to support project planning and acceptance.

• **Data - driven Support:** Our forward -, thinking data - driven approach reduces decision - making cycles by 30%, ensuring your project stays on track and on time.

■ Safety

• **Military - level Testing:** Our equipment is tested to dozens of military - level standards, including IP54 dust and waterproofing - proofing, MIL- STD - 810G shock resistance, and more, ensuring its robustness and reliability for future - proof performance.

• **Suspension System Load - bearing Tests:** Our suspension system load - bearing tests exceed international standards, ensuring safe and reliable operation in extreme environments.

■ Cost - effectiveness

• **Modular Design:** The modular design reduces initial costs by 30%, providing immediate cost - effectiveness and future - proof savings.

• **Superior Quality:** The superior quality of Audiocenter helps you save on maintenance and operation costs, ensuring long - term cost - effectiveness and performance.

• **Full - life - cycle Costs:** Full - life - cycle costs are 25% lower than traditional solutions, resulting in an ROI increase of over 20%, ensuring your investment remains valuable over time.

AUDIOCENTER
Dynamic Audio Solutions

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PROFESSIONAL FIXED INSTALLATION
AUDIO SYSTEM INTEGRATION SOLUTIONS

Contents

Electronics and Software

Audiocenter's power amplifiers and processors offer cutting-edge solutions for professional audio installations, ensuring unparalleled performance, flexibility, and reliability. Designed specifically for the demands of fixed installations, these products provide precise control and robust power support for challenging acoustic environments.

Whether your project requires scalable amplifiers for large setups or precise control over complex acoustic environments, Audiocenter's amplifiers, processors, and BrainCore Net provide comprehensive solutions. Whether it's a theatre, conference center, or live event space, you can handle it with ease. Our amplifiers and processors not only deliver exceptional audio performance but also seamlessly integrate with other Audiocenter products for perfect system integration.

D Series
DSP Digital Power Amplifiers

P48D / P48
Professional Audio Processors

T88D / T88
Audio Matrix

BrainCore CU
Audio Processor

Network Control

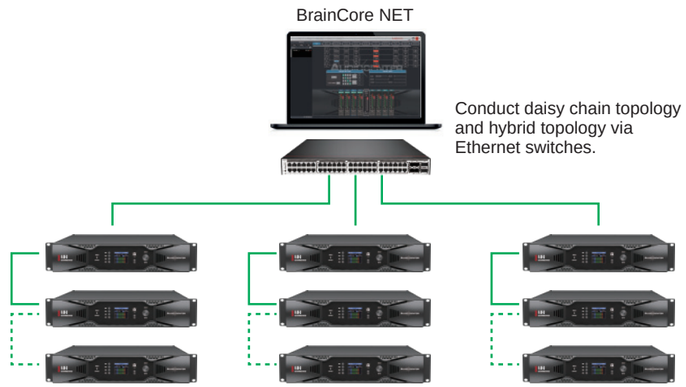
The BrainCore NET network control system offers robust real - time control and monitoring capabilities for complex system designs, capable of managing up to 250 devices simultaneously.

Regardless of changes in the DSP topology or the number of devices, the BrainCore NET software provides a centralized working platform that greatly simplifies the construction process of DSP designs, making it easy to handle even the most complex DSP projects.

The system supports a variety of network topologies and is easy to configure, allowing system designers to flexibly choose the topology that best suits the needs of each project.

Audiocenter Dante-enabled devices integrate Dante network audio transmission and software network control connections on a single RJ45 port, delivering an all-in-one solution that enhances user convenience and efficiency.

Daisy Chain Topology



Daisy Chain Topology and Hybrid Topology

Dynamic Audio Solutions

Intuitive DSP Software

Engineers in Audiocenter, with their in-depth expertise and years of research, have integrated advanced DSP processors into the electronic devices. This DSP digital power amplifier provides exceptional sound quality beyond traditional analog signal processing technology, bringing you an unprecedented audio experience.

The DSP processor is easy to set up, adjust, load, and recall, allowing users to easily load or recall their customized programs or use speaker presets offered by the factory.






- **Comprehensive EQ and Filter Options**
  Each channel is equipped with 15-band input EQ and 10-band output EQ, with a variety of EQ filter types to choose from.
  There are options of Butterworth, Bessel, Linkwitz and 6 ~ 48 dB/Oct for the high and low-pass crossovers.

- **Professional FIR Filters**
  Supports the import of third-party software and captures data through SMARRT testing, allowing users to edit personalized settings directly within the software and save them for use.
  It supports up to 4×2048 Taps, ensuring the precision of audio processing.

- **Limiter Management**
  The superior Limita™ processing technology offers precise digital processing, ensuring that the system can operate safely and reliably.

- **Preset Management**
  Channel preset management and system preset Users can easily call up the corresponding presets with one click to achieve satisfactory audio quality. This simplifies operations and enhances efficiency, allowing field application engineers to complete their tasks easily and efficiently.

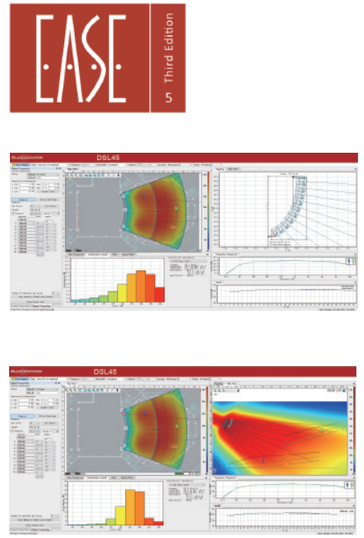
Professional Services

Audio System Planning, Design, Acoustic Simulation, Installation, Commissioning, and Technical Training

Our global team of professional application engineers brings deep expertise in loudspeaker solutions. Their mastery of EASE software enables them to pinpoint the requirements of diverse scenarios and deliver comprehensive audio system design services. From conducting site surveys to optimizing system commissioning, they craft bespoke, high - quality acoustic solutions tailored to each project.

Audiocenter provides professional installation guidance, streamlining the design and implementation of audio systems in fixed - installation settings. We blend precision with ease to ensure each project achieves exceptional acoustic performance, precisely tailored to the unique demands of each venue.

Our application engineers leverage industry - standard tools like EASE and EASE Focus for acoustic simulation. These robust programs accurately forecast sound coverage, speech clarity, and overall system performance, allowing us to design optimized audio systems for any space.



The technical service team is the driving force behind these services. This team, made up of solution designers, application engineers, system engineers, and technical evangelists, stays with the project from inception to completion, offering end - to - end support to our clients. When it comes to designing comprehensive system solutions, integrating products, installing and commissioning systems, monitoring usage, and conducting training, this team brings its expertise to bear, crafting tailored solutions that deliver top - notch audio performance.

On top of that, our planning support services assist in designing loudspeaker layouts, system configurations, and integration strategies. By taking a collaborative approach, we deliver customized solutions that cater to a wide range of venues, such as theaters, conference rooms, worship halls, and stadiums.

We merge cutting-edge simulation software with the expertise of our system integration team to ensure a streamlined and efficient process, helping planners and integrators attain exceptional audio outcomes.

We’re excited about the prospect of partnering with you to add new value to your projects.

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PROFESSIONAL FIXED INSTALLATION
AUDIO SYSTEM INTEGRATION SOLUTIONS

Designer Series

- **D Series DSP Digital Power Amplifiers**
- **P48D/P48 Professional Audio Processors**
- **DSL Series Line Array Loudspeakers**
- **DS Series Point Source Loudspeakers**
- **Subwoofers**

DSP Digital Power Amplifiers	Audio Processors	Line Array Loudspeakers	Point Source Loudspeakers	Subwoofers
D4.2K/D4.2K-D	P48D	DSL45	DS08	DSL115S
D4.4K/D4.4K-D	P48	DSL115S	DS10	DS118S
D4.6K/D4.6K-D			DS12	DS218S
D4.10K/D4.10K-D			DS15	

D Series

Four-Channel Digital Power Amplifier with built-in DSP

D Series is a four-channel digital power amplifier that integrates Class D power amplification technology with high-precision DSP digital signal processing, enhancing audio performance and ease of operation. It comes with IIR filter, FIR filter, and optional Dante network functionality for precise audio tuning and optimization.

Users can configure and control the amplifier rapidly via the display and USB interface on the front panel and the Ethernet. Thanks to its exceptional performance and user-friendly software interface, the D Series amplifier is the perfect choice for professional audio systems.

Highlights

Integrated Design and Performance Maximization

The D Series is a four-channel digital DSP power amplifier that combines Class D power amplification technology with high-precision DSP. It greatly satisfies the parameter and performance requirements of audio systems and maximizes the performance of the equipment itself. Additionally, it simplifies the tuning and management processes of audio systems, enhancing the ease of operation and efficiency.

Intelligent Audio System Management

Remote Monitoring and Control
With the D Series amplifier, users can remotely monitor and control the status of audio equipment, adjust settings in real-time, greatly enhancing the convenience and efficiency of monitoring.

Centralized Management and Maintenance
By centrally managing the audio system over the network and carrying out software updates, parameter configurations, and maintenance tasks altogether, the efficiency of operational maintenance can be significantly enhanced.

Simplified Installation and Cost Reduction
Transmitting audio signals via the network reduces reliance on traditional audio wiring, simplifying the installation process and reducing construction costs and complexity.

High-Efficiency Class D Power Amplifier

The D Series utilizes Class D amplification technology, with an efficiency exceeding 90%, which significantly reduces energy loss during power conversion. This not only decreases heat generation but also lowers energy consumption while maintaining excellent sound quality.

The D Series is capable of stable operation in high-temperature environments up to 60°C and as low as -20°C in low-temperature conditions, with very high reliability and durability.

Superior Manufacturing Craftwork

High-efficiency switching power supply technology for optimized energy conversion and efficient use
Comprehensive protection circuits ensure stable system operation and safety.
Compact size and light weight facilitate installation and deployment.
Modular design for easy maintenance and upgrades

Dynamic Audio Solutions

High-Fidelity Sound Quality

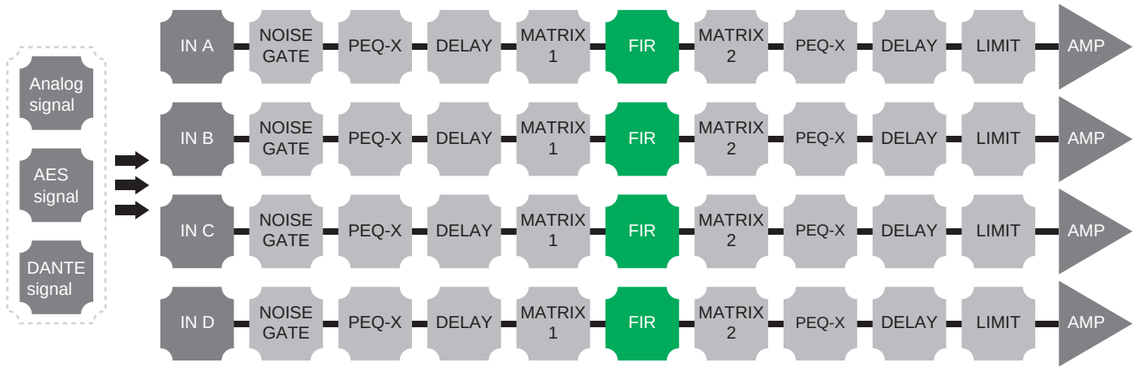
Powerful DSP Processing

High-Resolution Conversion
With a 48kHz sampling rate and 24-bit quantization precision, it achieves very low noise and extended dynamic range.

Advanced Digital Processing
Equipped with the latest 32-bit floating-point digital processors, optimizing analog signal processing.

IIR Filters
Offering a variety of Bessel, Butterworth, Linkwitz-Riley filters, supporting high-pass, low-pass, and parametric equalization, easily achieving -48dB/octave adjustments and phase control.

FIR Filters
Enhancing the impact of audio, ensuring a more dynamic and impactful sound experience. Linear phase response retains the original transient characteristics of the audio signal, resulting in finer and more precise notes.



DSP processors, with their 48kHz sampling rate and 24-bit quantization precision, combined with IIR and FIR filter technologies, accurately generate linear phase curves, significantly improving pulse response quality.

This combination of technologies meets the needs of an ideal crossover, allowing sound engineers to accurately reproduce the perfect sound quality of speakers on-site, providing users with balanced, natural, transparent, and authentic auditory experiences.

Perfect Integration of BrainCore™ Technology
Perfectly integrating BrainCore™ technology, providing precise digital processing through superior Limita™ processing technology, ensuring the system operates safely and reliably.

AES Digital Audio Input
Supporting standard AES/EBU digital audio input, we offer customers a variety of widely recognized digital audio input solutions in the industry for high-quality audio transmission and precise control of audio equipment.

Dante Network Audio Transmission and Control
Integrating Dante network audio transmission and control technology, allowing for long-distance, high-precision audio signal transmission and control over Ethernet, ensuring stable and reliable sound quality.

Supports Dual Signals and Hot Backup, with Seamless Switching
Capable of handling both Dante digital and analog signals, it features automatic hot backup to ensure immediate and seamless switching in case of primary audio source failure, maintaining stable transmission. Users can easily manage backups, ensuring audio reliability.

High-Efficiency Class D Power Amplifier
The D Series utilizes Class D amplification technology, with an efficiency exceeding 90%, which significantly reduces energy loss during power conversion. This not only decreases heat generation but also lowers energy consumption while maintaining excellent sound quality.

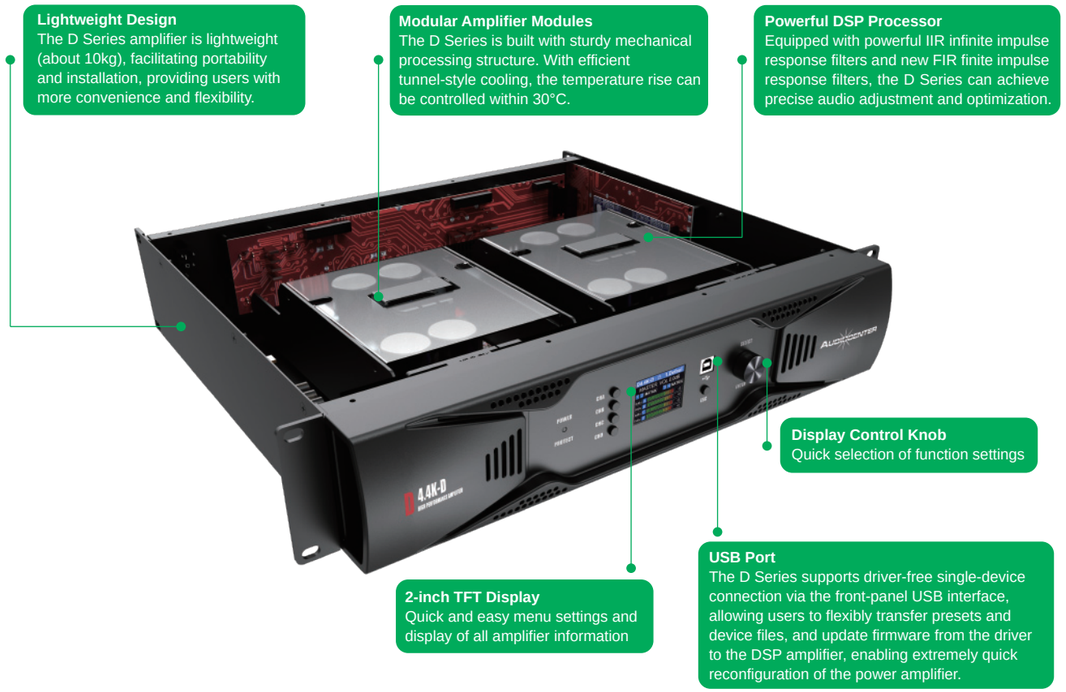
Manufactured to German Precision Standards, Durable and Long-lasting

European R&D Design, German Standard Engineering
The power amplifier module and DSP module are designed by Audiocenter's R&D team in Europe and manufactured according to German standard engineering. The system operates stably and efficiently, ensuring high-quality audio output.

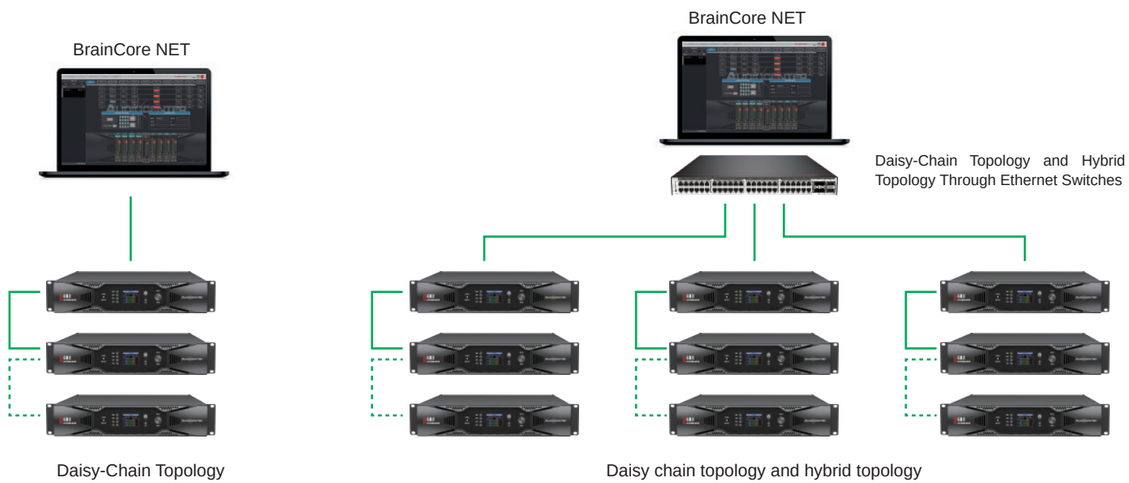
Comprehensive Protection Circuits
The D Series is equipped with comprehensive protection circuits, including limiter protection, soft start protection, DC protection, short circuit protection, and thermal protection, which can better protect the power amplifier, ensuring stable sound quality and speaker longevity.

High Reliability
Amplifier modules and DSP modules have been sold globally for over 500,000 units and have been proved to be very stable and reliable.

High Standards
All input and output connectors are professional-grade quality components.
High-quality components ensure the amplifier operates stably in harsh environments.



Network Control



Daisy-Chain Topology

Daisy chain topology and hybrid topology

		D4.2K	D4.2K-D	D4.4K	D4.4K-D	D4.6K	D4.6K-D	D4.10K	D4.10K-D
Output power	8Ω Stereo	4x350W	4x350W	4x700W	4x700W	4x1100W	4x1100W	4x1800W	4x1800W
(1kHz, 20ms burst	4Ω Stereo	4x550W	4x550W	4x1200W	4x1200W	4x1750W	4x1750W	4x3000W	4x3000W
THD+N = 1%)	8Ω Bridge	2x1100W	2x1100W	2x2400W	2x2400W	2x3500W	2x3500W	2x6000W	2x6000W
A-Guard Protection System		DC Protection,Short circuit protection,Smart overheat management,Overheat protection,Output overload protection,Soft startup protection,Limiter protection							
	Sampling rate	48kHz/24bit							
DSP processing	Input	1) Input: 4x analogue, 4x AES ,4x Dante (D4.2K-D,D4.4K-D,D4.6K-D,D4.10K-D) 2) Noise Gate,gain,Sensitivity,Phase,Mute 3) Input EQ:15 band EQ + HPF/LPF(Butterworth, Linkwitz-Riley, Bessel:6 dB/oct to 48 dB/oct) 4) Input delay:90ms Per channel							
	Working mode	Matrix,Stereo,Parallel,Bridge							
	FIR	4 channel FIR 4x2048 Taps							
	Output	1) Output EQ:10 band EQ + HPF/LPF(Butterworth, Linkwitz-Riley, Bessel:6 dB/oct to 48 dB/oct) 2) Output delay:20ms Per channel 3) compressor and limiter 4) Gain, Phase, Mute							
USB control port		USB-B							
TCP/IP network control port		RJ45 x2							
Input Connectors		Male XLR & Female XLR							
Output Connectors		Speakon							
Input Impedance		≥20kΩ(Balanced);≥10kΩ(Unbalanced)							
Maximum input voltage		≥18dBu							
Sensitivity		0dBu/6dBu/12dBu							
Frequency response(1W 8Ω stereo)		20Hz-20kHz(±1dB)							
Crosstalk(1kHz,Rated power 8Ω A weighted)		≥60dB							
S/N Ratio(Rated power 8Ω, A weighted)		≥100dB							
Damping Factor(1kHz & 8Ω)		≥400							
Intermodulation Distortion(60Hz:7kHz=4:1, half power)		≤0.1%							
THD+N(1kHz, 8Ω half power A weighted)		≤0.1%							
Output circuitry		Class D							
Power Supply		100-130V~/220-240V~(±10%,50/60Hz)							
Power consumption（1/8 output power 4Ω）		375W	375W	750W	750W	1250W	1250W	2000W	2000W
Rack space		2U							
Cooling		Front to back venting,mandatory cooling							
Dimension(W×H×D）		483×88x404mm	483×88x404mm	483×88x404mm	483×88x404mm	483×88x442mm	483×88x442mm	483×88x485mm	483×88x485mm
Net Weight		8.5kg	8.5kg	10.0kg	10.0kg	11.5kg	11.5kg	15.5kg	15.5kg

P48D / P48

Professional Audio Processors

P48D/P48 Professional Audio Processor integrates a variety of DSP functions, including compressors, crossovers, dynamic equalizers, delays, equalizers, input/output FIR filters, phase filters, and mixing matrices. With intuitive PC software, users can easily tune and monitor, ensuring the efficient construction and flexible operation of professional audio amplification systems.

Highlights

Ultimate Sound Quality, Superior Performance

Equipped with high-performance AD/DA converter chips and a 96kHz 24-bit sampling rate, it accurately captures sound details, enhances dynamic range, reduces distortion, and delivers pure sound quality and efficient performance, meeting professional audio requirements.

High-performance DSP Processing Technology

The 32-bit floating-point digital processor optimizes signal processing, with 3 bands of dynamic equalization (DEQ) on each channel that automatically adjust the frequency response. The combination of IIR and FIR filters preserves the original characteristics of the audio signal, generating precise linear phase curves, providing a balanced, natural, and transparent audio experience.

2000ms Ultra-Long Delay, Precision to 0.01ms

The system allows for input and output delays of up to 2000ms, with a precision of 0.01ms. This ensures precise synchronization in any audio application.

Intelligent Audio System Management

Remote Monitoring and Control

The ability to remotely monitor and control the status of audio equipment, allowing for real-time adjustments to settings, greatly enhances the convenience and efficiency of monitoring.

Centralized Management and Maintenance

P48D/P48 manages the audio system centrally through the network, unifying software updates, parameter configuration, and maintenance, which effectively improves the efficiency of operation and maintenance.

Simplified Installation and Cost Reduction

Transmitting audio signals via the network reduces reliance on traditional audio wiring, simplifying the installation process and reducing construction costs and complexity.

		P48D	P48
Sampling Rate		96kHz	96kHz
AD/DA Converter		24bit	24bit
Audio System Delay		<2.1ms (analog input- analog output)	<2.1ms (analog input- analog output)
Analogue Input		4-channel electronically balanced input	4-channel electronically balanced input
AES Input		4-channel AES input	4-channel AES input
Dante Input		4-channel Dante input	/
Input Interface		4x Female XLR	4x Female XLR
Analogue Output		8-channel electronically balanced output	8-channel electronically balanced output
Dante Output		4-channel Dante output	/
Output Interface		8x Male XLR	8x Male XLR
DSP	EQ	Each input 15-band EQ, each output 10-band EQ EQ types: PEQ, High/Low Shelf,All Pass,All Pass2,VariQ High/Low Pass,Phase, Elliptic High/Low Pass, High/Low Pass,Band Pass, Notch	
	DEQ	Each input with a 3-band DEQ	
	Delay	Input delay: each channel 2000ms , Output delay: each channel 2000ms	
	FIR	Input FIR :each channel 512Taps(@48kHz), Output FIR:each channel 512Taps(@48kHz)	
	Crossover	Butterworth, Linkwitz-Riley, Bessel:6 dB/oct to 48dB/oct	
	Limiter	Compressor + Limiter	
Input Impedance		≥10kΩ	
Output Impedance		<100Ω	
Maximum Input/Output Level		≥+20dBu	
Requency Response		±0.3dB,20Hz-20kHz	
S/N Ratio		≥113dB @1kHz,A weighted	
THD+N		≤0.002% @1kHz,0dBu,A weighted	
Crosstalk		≥105dB @1kHz	
Connection Type		USB/RS232/TCP/IP	
AC Power Operating Range		100-240V/(±10%, 50-60Hz)	
Power consumption		＜20W	
Rack space		1U	
Dimension(WxHxD)		483x44x265mm	
Net weight		3.6kg	

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Dynamic Audio Solutions

DSL Series

Passive Line Array Loudspeakers

The DSL series is a compact, high-output, modular passive line-array loudspeaker system. Highly integrated and exceptionally easy to deploy, it delivers powerful performance with minimal setup.

Important Features

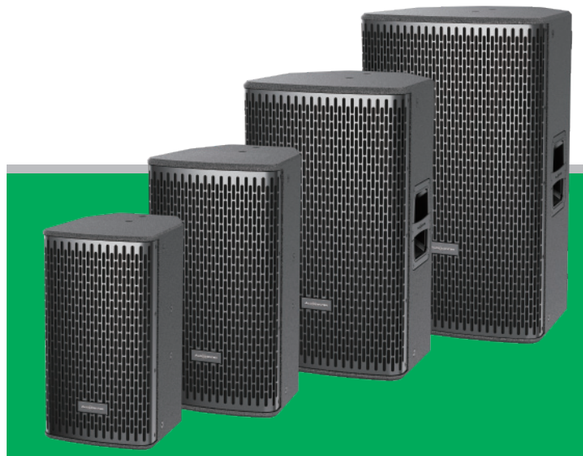
- **Waterproof Rating IP54**
- **127dB Maximum Sound Pressure Level (SPL)**
- **Customized ProDriver**
- **With Innovative ETE™ Wave Guide Technology**
- **Optimized Compact Versatile Enclosure Design for Flexible Use**
- **Durable Polyurea Coating**
- **Complete Accessory System for Various Applications**

	DSL45	DSL115S
Type	Passive Line Array Loudspeakers	Support hanging installation Passive Subwoofer
Power	250W	500W
Frequency Response(-10dB)	63Hz-20kHz	45Hz-300Hz
Horizontal Coverage(symmetrical)	120°	/
Vertical Coverage(symmetrical)	Splay angle dependent	/
MaximumCalculatedSPL/1M(Continuous/Peak)	121dB/127dB	121dB/127dB
HF Drive	2x1″ voice coil, 1″ exit	/
LF Drive	4x5″ driver, 1.0” voice coil	1x15” driver, 4.0” voice coil
Rated Impedance	8Ω	8Ω
Crossover Mode	Built-in (passive) crossover	External (active) crossover
Crossover point	1.2kHz	/
Input Connectors	Speakon 4Pin	Speakon 4Pin
Cabinet		
Cabinet Materia	CNC made of excellent wood	CNC machined plywood
Angle Adjustment	0.5°,1.5°,3°,5°,7°,10°	/
Coating	Durable Polyurea Coating	Durable Polyurea Coating
Cabinet Color	Black	Black is the default color.
Grille	Iron mesh	Iron mesh
Handle	2 side	2 side
Base	/	M20 formed base, φ35mm
Speaker Dimension(W×H×D)	458×293×381mm	426×470×570mm
Carton Dimension(W×H×D)	389×553×476mm	512×565x657mm
Net Weight	17.0kg	32.0kg
Shipping Weight	20.0kg	35.0kg

DS Series

Passive Full Range Loudspeaker

The DS series is a point-source loudspeaker with a passive crossover. Housed in a high-grade multi-ply birch enclosure, its symmetrical, compact design delivers true multi-purpose flexibility. A bottom-mounted rigging insert offers selectable 0° or 10° angles, allowing the cabinet to be flown, wall-mounted, or pole-mounted with equal ease—seamlessly adapting to any sound reinforcement scenario.



Important Features

- **Waterproof Rating IP54**
- **Customized ProDriver**
- **DMF Composite Material Horn Design**
- **Smart Crossover Design**
- **Rotatable Horn**
- **Unique Driver Protection Circuit**
- **Durable Polyurea Coating**

	DS08	DS10	DS12	DS15
Type	Passive full range loudspeaker	Passive full range loudspeaker	Passive full range loudspeaker	Passive full range loudspeaker
Rated power(AES)	150W	250W	400W	400W
Frequency Response(-10dB)	65Hz-20kHz	55Hz-20kHz	42Hz-20kHz	40Hz-20kHz
Horizontal Coverage	70° /50° and 100° coxial options	90°/60°	90°/60°	90°/60°
Vertical Coverage	50° /70° and 100° coxial options	60°/90°	60°/90°	60°/90°
Max SPL(Continuous/Peak)	119dB/125dB	124dB/130dB	128dB/134dB	130dB/136dB
HF	1.75” voice coil, 1.0” exit	1.75” voice coil, 1.0” exit	1.75” voice coil, 1.0” exit	1.75” voice coil, 1.0” exit
LF	8” driver, 2.0” voice coil	10” driver, 2.5” voice coil	12” driver, 3.0” voice coil	15” driver, 3.0” voice coil
Impedance	8Ω	8Ω	8Ω	8Ω
Crossover Mode	Passive	Passive	Passive	Passive
Crossover Point	1.5kHz	1.4kHz	1.2kHz	1.2kHz
Input Connectors	Speakon 4Pin	Speakon 4Pin	Speakon 4Pin	Speakon 4Pin
CABINET				
Cabinet Material	CNC machined plywood	CNC machined plywood	CNC machined plywood	CNC machined plywood
Coating	Durable Polyurea Coating	Durable Polyurea Coating	Durable Polyurea Coating	Durable Polyurea Coating
Cabinet Color	Black is the default color.	Black is the default color.	Black is the default color.	Black is the default color.
Grille	Iron mesh	Iron mesh	Iron mesh	Iron mesh
Handles	/	1 back	2 side	2 side
Monitor Angle	/	/	Symmetrical 45° monitoring Angle	Symmetrical 45° monitoring Angle
Hanging Hardwares	M8 screw	M8 screw	M8 screw	M8 screw
Pole Mount	Base hole Φ35mm	Base hole Φ35mm, 0° or 10° options	Base hole Φ35mm, 0° or 10° options	Base hole Φ35mm, 0° or 10° options
Speaker Dimension (W×H×D)	245x447x264mm	288x526x325mm	355x599x349mm	421x696x416mm
Carton Dimension (W×H×D)	336x531x354mm	383x610x415mm	446x688x446mm	516x785x516mm
Net Weight	10.0kg	13.0kg	19.0kg	22.0kg
Shipping Weight	12.0kg	16.0kg	22.0kg	26.0kg

AUDIOCENTER

Dynamic Audio Solutions

Subwoofer

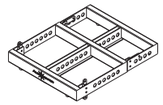
DS Series subwoofers are built from high-density, multi-ply birch plywood. Shaped with CNC-machined, interlocking panels, the cabinets can reduce resonance effectively. Extended low-frequency reach and tightly focused energy deliver deep, punchy bass with exceptional transient response.

Important Features

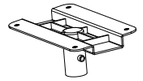
- **Waterproof Rating IP54**
- **Customized ProDriver**
- **Optimized Compact Versatile Enclosure Design for Flexible Use**
- **Durable Polyurea Coating**
- **Premium Wood**
- **Complete Accessory System for Various Applications**

	DSL115S	DS118S	DS218S
Type	Support hanging installation Passive Subwoofer	Passive Subwoofer	Passive Subwoofer
Rated power(AES)	500W	600W	1200W
Frequency Response(-10dB)	45Hz-300Hz	35Hz-150Hz	30Hz-150Hz
Max SPL(Continuous/Peak)	121dB/127dB	125dB/131dB	131dB/137dB
LF	1x15" driver，4.0" voice coil	1x18" driver，4.0" voice coil	2x18" driver，4.0" voice coil
Impedance	8Ω	8Ω	4Ω
Crossover Mode	External (active) crossover	External (active) crossover	External (active) crossover
Input Connectors	Speakon 4Pin	Speakon 4Pin	Speakon 4Pin
CABINET			
Cabinet Material	CNC machined plywood	CNC machined plywood	CNC machined plywood
Coating	Durable Polyurea Coating	Durable Polyurea Coating	Durable Polyurea Coating
Cabinet Color	Black is the default color.	Black is the default color.	Black is the default color.
Grille	Iron mesh	Iron mesh	Iron mesh
Handle	2 side	2 side	2 side
Base	M20 formed base, φ35mm	M20 formed base, φ35mm	M20 formed base, φ35mm
Speaker Dimension (W×H×D)	426×470×570mm	510×632×695mm	1206×565×694mm
Carton Dimension (W×H×D)	512×565x657mm	596×750×780mm	651×1331x780mm
Net Weight	32.0kg	37.0kg	66.0kg
Shipping Weight	35.0kg	40.0kg	70.0kg

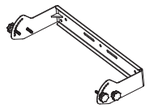
Speaker Accessories



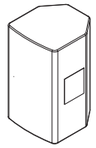
- FF-DSL45
  Frame for flying and ground stacking
- Dimension（WxHxD):
  430x60x580mm



- PMA-DSL
  stand
- Dimension（WxHxD):
  265x102x150mm

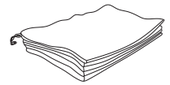


- WM-DS
  Horizontal U bracket
- Dimension（WxHxD):
  WM-DS10 539x70x258mm
  WM-DS12 613x80x283mm
  WM-DS15 710x82x345mm



- COV-08
  COV-10
  COV-12
  COV-15
  Rain Cover

- WM-DS68
  Wall Mount Bracket
- Dimension（WxHxD):
  65x113x77mm



COV-DSL45
Rain Cover

Pole bar
Bearing 50KG

M20 D shackle
Bearing 3T

2M / 3M flying belt
Made of synthetic fibre,
bearing 2T/4T

Dynamic Audio Solutions

Artist

PROFESSIONAL FIXED INSTALLATION
AUDIO SYSTEM INTEGRATION SOLUTIONS

T Series

- **Audio Matrix**
- **Audio Processor**
- **Hi Z and Low Z Power Amplifiers**
- **Point Source / Line Array Loudspeakers**
- **Hi Z and Low Z Linear Source Column Speakers**
- **Subwoofers**

Audio Matrix	Audio Processor	Hi Z and Low Z Power Amplifiers	Point Source / Line Array Loudspeakers	Hi Z and Low Z Linear Source Column Speakers	Subwoofers
T88D	BrainCore CU	T2.4V	Butterfly 4CA	T65	TW8
T88		T4.4V	Butterfly 4PRO	T83	
		T4.8V	T8	T43	
		T8.8V			
		T4800			
		T8800			

T88D / T88 is a powerful 8-in 8-out audio matrix that supports 8 analog audio inputs and 8 analog audio outputs. T88D also supports 4x4 Dante network audio input and output. Multiple options of input and output provide you with the flexibility required to integrate into the system. It can meet the control and audio processing for various places.

Through the Windows system computer software BrainCore Net, you can remotely control all devices in the local area network and efficiently control all parameters of the processor. Through the joint debugging function, multiple devices of the same model can be debugged simultaneously. Some functions can also be controlled through the wall panel. Through the scene preset function, users can directly use intelligent central control to achieve scene recall, volume adjustment and other functions.

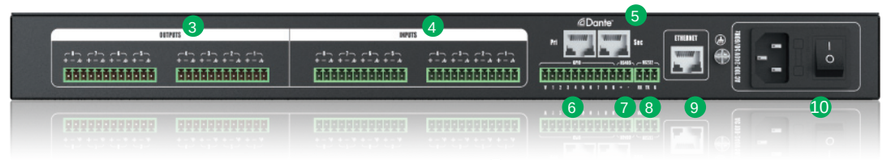
Manufactured to German Precision Craftsmanship Standards, Ensuring Durability and Longevity

- **European R&D and Design, German Precision Manufacturing Standards**
  The DSP modules are designed by Audiocenter's European R&D team and manufactured to German precision standards, ensuring stable and efficient system operation and high-quality audio output.
- **High Standards**
  All input and output connectors are professional-grade quality components.

  High-quality components ensure the amplifier operates stably in harsh environments.
- **High Reliability**
  DSP modules have been sold globally for over 500,000 units and have proven to be very stable and reliable.

1 USB port
The computer control software can be connected through USB port

2 LED
Power LED，Input LED，48V phantom power LED，Output LED



3 8-channel analog output
Euro-block connector, balanced output

4 8-channel analog input
Euro-block connector, balanced input

5 Dante audio transmission interface

6 GPIO interface
GPIO control extension

7 RS 485 interface
It can be used as central control, panel control,camera tracking and expansion interface.

8 RS 232 interface
It can be used as central control, panel control,camera tracking and expansion interface.

9 ETHERNET computer control interface

10 Power
Connected via standard IEC plug,Power switch

Dynamic Audio Solutions

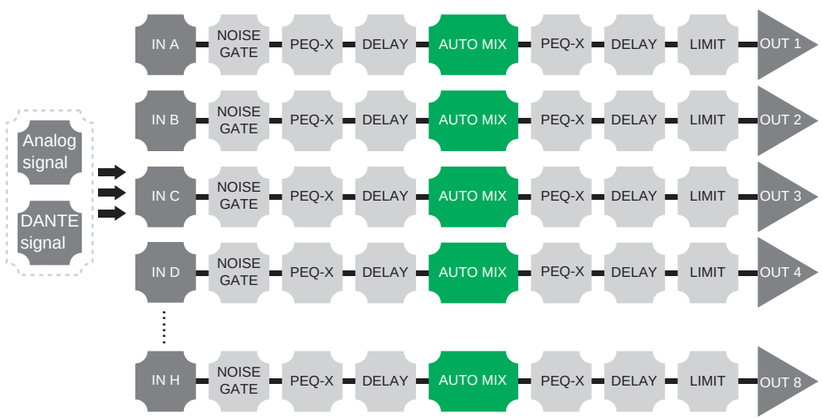
High-Fidelity Sound Quality

High-Resolution Conversion

24-bit AD/DA conversion, 96kHz sampling rate, 10Hz ~ 28kHz bandwidth and over 105dB dynamic range.

IIR Filters

Offering a variety of Bessel, Butterworth, Linkwitz-Riley filters, supporting high-pass, low-pass, and parametric equalization, easily achieving -48dB/octave adjustments and phase control.



- Perfect Integration of BrainCore™ Technology.
- T88D/T88 works seamlessly with Artist speakers and amps. Users can recall the different scenes and applications to build up a complete commercial audio system quickly. Password can be set for protection.
- USB drive-free automatic connection software, open RS-232, RS-485 protocol to achieve third-party control, support TCP / IP remote control.
- All functions can be configured through the Windows system. T88D/T88 supports debugging for multiple devices and remote control.
- In built with functions of AFC, auto mixing, matrix mixing, equalizer,crossover, limiter by DSP to deliver clear sound dynamic.
- 8 analog audio inputs, 8 analog audio outputs, T88D supports 4x4 Dante network audio input and output.
- With both microphone input and line input, with 48V phantom power.
- Built-in camera tracking function to control the camera by sound.
- GPIO programmable connector.

Wall Control Panel Laptop

	T88D	T88
Signal Processing	32-bit fixed/floating-point DSP 300MHz	32-bit fixed/floating-point DSP 300MHz
Audio System Delay	<1ms(analog input- analog output)	<1ms(analog input- analog output)
AD/DA Converter	24bit	24bit
Sampling Rate	96kHz	96kHz
Input Channels	8-channel electronically balanced line input, 4-channel Dante input	8-channel electronically balanced line input
Input Interface	3.81mm Euroblock (analog input), RJ-45 (Dante intput)	3.81mm Euroblock (analog input)
Output Channels	8-channel electronically balanced line output,4-channel Dante output	8-channel electronically balanced line output
Output Interface	3.81mm Euroblock (analog output), RJ-45 (Dante output)	3.81mm Euroblock (analog output)
Input Impedance	>10kΩ	>10kΩ
Output Impedance	<150Ω	<150Ω
Maximum Input Level	> +14dBu/ line, -7dBu/microphone	≥ +14dBu/ line, -7dBu/microphone
Phantom power	+48VDC, 6.5mA (optional per channel)	+48VDC, 6.5mA(optional per channel)
Frequency Response	20Hz-20kHz(±0.5dB)/line 20Hz-20kHz(±1.5dB)/mic	20Hz-20kHz(±0.5dB)/line 20Hz-20kHz(±1.5dB)/mic
Dynamic	105dB(@12dBu,1kHz,A weighted)/line 95dB(@-7dBu,1kHz,A weighted)/mic	105dB(@12dBu,1kHz,A weighted)/line 95dB(@-7dBu,1kHz,A weighted)/mic
THD+N	-90dB(@12dBu,1kHz,A weighted)/line 86dB(@-7dBu,1kHz,A weighted)/mic	-90dB(@12dBu,1kHz,A weighted)/line 86dB(@-7dBu,1kHz,A weighted)/mic
Connection type	USB/RS232/RS485/TCP/IP	USB/RS232/RS485/TCP/IP
AC Power Operating Range	100-240V(±10%, 50-60Hz)	100-240V(±10%, 50-60Hz)
Power consumption	＜20W	＜20W
Rack space	1U	1U
Dimension(WxHxD)	484x44x245mm	484x44x245mm
Net weight	3.5kg	3.5kg

BrainCore CU

Audio Processor

BrainCore CU is an audio processor with flexible applications and easy configuration. Through the BrainCore™ technology, an innovative core technology independently developed by Audiocenter, based on the characteristics of different speakers and different application scenarios, scene presets that can meet a variety of application needs have been created. Users only need to call the corresponding presets according to the combination of speakers and application scenarios, and can quickly create an audio system without professional debugging, and get a more satisfactory sound effect.

Key Features

- With more than 20 years experiences of product development and system application, and repeated testing and debugging, these presets can meet a variety of application needs.
- Users only need to import the system preset package through "CU Preset" to use.
- Directly call the system preset package, you can get satisfactory sound effects without professional debugging.
- 1 ~ 9 total 9 preset gears (0 default is BY PASS).
- BrainCore CU is with ultra compact 1U design and half 19" rack space enclosure. With customized rack adapter, it allows for single installation or side-by-side.

Installation

BrainCore CU	
Audio System Delay	0.25ms（INPUT to OUTPUT）
AD/DA Converter	24Bit
Sampling Rate	96kHz
Input Channels	Two-way balanced
Input Interface	Female XLR
Output Channels	Three-way balanced
Output Interface	Male XLR
Input Impedance	＞10KΩ
Output Impedance	＜100Ω
Maximum Input Level	≥+15dBu
Requency Response	±0.3dB,20Hz-20kHz
Dynamic	≥106dB
THD+N	≤0.05% @1kHz,0dBu
Audio System Delay	USB, Free drive
AC Power Operating Range	100-240V~(±10%, 50/60Hz)
Power consumption	＜10W
Rack space	1U design and half 19” rack space enclosure
Dimension((W×H×D)	218x44x153mm
Net weight	1.0kg

Dynamic Audio Solutions

T2.4V

With low impedance output and 70/100V outputs

2 Channel Compact Class D Amplifier

T4.4V

With low impedance output and 70/100V outputs

4 Channel Compact Class D Amplifier

T2.4V/T4.4V is 2/4 channel Class D amplifier for commercial audio installation.

T2.4V/T4.4V carries the renowned high reliability and outstanding sound performance delivered by Audicenter system. Both two models are with low impedance output and 70/100V outputs. T2.4V/T4.4V is with ultra compact 1U design and half 19" rack space enclosure.
With customized rack adapter, it allows for single installation or side-by-side (two devices) in a 19” equipment rack. It can also be mounted on table or wall.

Key Features

- Class-D amplifier technology with SMPS, high efficiency.
- With both low impedance output and 70/100V outputs.
- Excellent reproduction clarity and outstanding high-definition sound.
- When input signal is bigger than the set value, it will wake up automatically.
- Built-in IC chip to control the input/output channels routing and the output power accurately.
- Optimal cooling system and premium protection system makes extremely high reliability.
- Ultra compact 1U design and half 19" rack space enclosure. Support Audicenter BrainCore CU processor.
- When input signal is lower than the set value for 45 mins, T2.4V/T4.4V will go into energy-saving standby mode.

Installation

		T2.4V	T4.4V
Output Power	8Ω Stereo	2x130W	4x130W
（1kHz	4Ω Stereo	2x260W	4x260W
20ms Burst	8Ω Bridge	1x520W	2x520W
THD+N=1%）	Hi-Z(70V)	1x520W	2x520W
	Hi-Z(100V)	1x520W	2x520W
Protection System		DC Protection,Short circuit protection,Overheat protection,Limiter Protection	
Working mode		Stereo,Parallel,Bridge,70V/100V	Stereo,Parallel,Bridge,70V/100V
Input Connectors		1x6-pin Euroblock（3.81mm）	2x6-pin Euroblock（3.81mm）
Output Connectors		1x4-pin Euroblock（5.08mm）	2x4-pin Euroblock（5.08mm）
Input Impedance		≥20kΩ（Balanced），≥10kΩ（Unbalanced）	≥20kΩ（Balanced），≥10kΩ（Unbalanced）
Maximum input voltage		≥15dBu	≥15dBu
Gain		Stereo：26dB；Bridge：32dB；70V：34dB；100V：37dB	
Frequency response(1W 8Ω Stereo)		20Hz-20kHz(±0.5dB)	20Hz-20kHz(±0.5dB)
Crosstalk(1kHz, Rated power 8Ω, A weighted)		≥70dB	≥70dB
S/N Ratio(Rated power 8Ω, A weighted)		≥100dB	≥100dB
Damping factor(1kHz&8Ω)		≥200	≥200
Intermodulation Distortion(60Hz:7kHz=4:1, half power)		≤0.05%	≤0.05%
THD+N(1kHz，8Ω half power A weighted)		≤0.05%	≤0.05%
Amplifier Type (Output Circuitry)		Class D	Class D
AC Power		100-240V(±10%,50-60Hz)	100-240V(±10%,50-60Hz)
Power consumption（1/8 output power,8Ω）		80W	160W
Rack space		1U design and half 19” rack space enclosure	1U design and half 19” rack space enclosure
Cooling		Fan cooling, blowing from front to back	Fan cooling, blowing from front to back
Dimensions(W×H×D)		218×44×314mm	218×44×314mm
Net weight		2.5kg	3.2kg

T4.8V　T8.8V

Multi Channel Class D Amplifier

With low impedance output and 70/100V outputs

T4.8V and T8.8V are with switch mode power supply and Class D circuit design, with high working efficiency, light weight and good reliability.

T4.8V and T8.8V multi channel Class D amps are with low impedance output and 70/100V output. For low impedance output, output power is 400W@8ohm each channel. Each channel can work at 4ohm. For 70/100V output, it’s 100V/1000W or 70V/ 800W.

T4.8V and T8.8V are with modular design. Every two channels share one separate power supply and amplifier system.

With elaborately selected components and state-of-the-art craftwork, T4.8V and T8.8V have very good fidelity and high damping factor. It's good choice for music reproduction, speech and AV system integration.

		Artist T4.8V	Artist T8.8V
Output Power	8Ω Stereo	4x400W	8x400W
（1kHz	4Ω Stereo	4x800W	8x800W
20ms Burst	Hi-Z(70V)	2x800W	4x800W
THD+N=1%）	Hi-Z(100V)	2x1000W	4x1000W
Protection System		DC Protection,Short circuit protection,Overheat protection,Limiter Protection	
Working mode		Stereo,Parallel,70V/100V	Stereo,Parallel,70V/100V
Input Connectors		1x12-pin Euroblock(3.81mm)	2x12-pin Euroblock(3.81mm)
Output Connectors		2x4-pin Euroblock(5.08mm)	4x4-pin Euroblock(5.08mm)
Input Impedance		≥20kΩ(Balanced)，≥10kΩ(Unbalanced)	≥20kΩ(Balanced)，≥10kΩ(Unbalanced)
Maximum input voltage		≥20dBu	≥20dBu
Gain		Stereo/Parallel:32dB 70V/100V：38dB	Stereo/Parallel ：32dB 70V/100V：38dB
Frequency response(1W 8Ω Stereo)		20Hz-20kHz(±0.5dB)	20Hz-20kHz(±0.5dB)
Crosstalk(1kHz, Rated power 8Ω, A weighted)		≥60dB	≥60dB
S/N Ratio(Rated power 8Ω, A weighted)		≥108dB	≥108dB
Damping factor(1kHz&8Ω)		≥500	≥500
Intermodulation Distortion(60Hz:7kHz=4:1, half power)		≤0.05%	≤0.05%
THD+N(1kHz，8Ω half power A weighted)		≤0.05%	≤0.05%
Amplifier Type (Output Circuitry)		Class D	Class D
AC Power		100-130V/220-240V(±10%,50-60Hz)	100-130V/220-240V(±10%,50-60Hz)
Power consumption（1/8 output power,8Ω）		350W	720W
Rack space		2U	2U
Cooling		Fan cooling, blowing from front to back	Fan cooling, blowing from front to back
Dimensions(W×H×D)		483×88x410mm	483×88x410mm
Net weight		8.5kg	11.5kg

T4800 T8800

Multi Channel Class D Amplifier

For low impedance output

T4800 and T8800 professional power amplifier adopt switching power supply and class D circuit design which has good performance with high efficiency, light weight and good stability.

Two models are available, 4-channel T4800 and 8-channel T8800.
It's 400W each channel at 8Ω. Each channel can work stably at 4Ω.

T4800 and T8800 adopt modular design. Two channels share one power supply system and amplification system. With elaborately selected components and state-of-the-art craftwork, T4800 and T8800 have very good fidelity and high damping factor. It's good choice for music reproduction, speech and AV system integration.

		Artist T4800	Artist T8800
Output Power	8Ω Stereo	4x400W	8x400W
（1kHz 20ms Burst	4Ω Stereo	4x800W	8x800W
THD+N=1%）	8Ω Bridge	2x1600W	4x1600W
Protection System		DC Protection,Short circuit protection,Overheat protection,Limiter Protection	
Working mode		Stereo,Parallel,Bridge	Stereo,Parallel,Bridge
Input Connectors		1x12-pin Euroblock（3.81mm）	2x12-pin Euroblock（3.81mm）
Output Connectors		2x4-pin Euroblock（5.08mm）	4x4-pin Euroblock（5.08mm）
Input Impedance		≥20kΩ（Balanced），≥10kΩ（Unbalanced）	≥20kΩ（Balanced），≥10kΩ（Unbalanced）
Maximum input voltage		≥20dBu	≥20dBu
Gain		Stereo/Parallel：32dB； Bridge：38dB	Stereo/Parallel：32dB； Bridge：38dB
Frequency response(1W 8Ω Stereo)		20Hz-20kHz(±0.5dB)	20Hz-20kHz(±0.5dB)
Crosstalk(1kHz, Rated power 8Ω, A weighted)		≥60dB	≥60dB
S/N Ratio(Rated power 8Ω, A weighted)		≥108dB	≥108dB
Damping factor(1kHz&8Ω)		≥500	≥500
Intermodulation Distortion(60Hz:7kHz=4:1, half power)		≤0.05%	≤0.05%
THD+N(1kHz，8Ω half power A weighted)		≤0.05%	≤0.05%
Amplifier Type (Output Circuitry)		Class D	Class D
AC Power		100-130V/220-240V(±10%,50-60Hz)	100-130V/220-240V(±10%,50-60Hz)
Power consumption（1/8 output power,8Ω）		350W	720W
Rack space		2U	2U
Cooling		Fan cooling, blowing from front to back	Fan cooling, blowing from front to back
Dimensions(W×H×D)		483×88x410mm	483×88x410mm
Net weight		8.5kg	11.5kg

Butterfly

Point Source / Line Array Loudspeakers

Butterly consists of 1 pc 4-inch LF driver and 2 pcs soft dome tweeters. The HF have an exclusive T-EYE™design, and the array layout is assembled in the center front of the speaker. The speaker has a wider frequency response and large near-field coverage, and the sound is especially defined and delicate.

Butterly also have a modular design concept, which can be used individually or in combination with multiple speakers. it has good scalability and can flexibly adapt to various environments and applications.

Butterfly 4ca is available both in High Impedance (70V/100V) and Low Impedance (16Ω).
70V: 2.5W/5W/10W/20W
100V:5W/10W/20W/x

IP54

	Butterfly 4pro	Butterfly 4ca
Type	Point Source / Line Array Loudspeakers	Point Source / Line Array Loudspeakers
Power (RMS)	60W	60W
Power (CV)	/	2.5W/5W/10W/20W(70V) / 5W/10W/20W (100V)
Frequency Response(-10dB)	100Hz-20kHz	100Hz-20kHz
Horizontal Coverage	100°	100°
Vertical Coverage	20°	20°
MaximumCalculatedSPL/1M(Continuous/Peak)	111dB/117dB	111dB/117dB
HF Drive	2x1" Driver	2x1" Driver
LF Drive	4" Driver	4" Driver
Rated Impedance	16Ω	16Ω
Crossover Mode	Passive Crossover	Passive Crossover
Input Connectors	Speakon 4Pin	Speakon 4Pin
Cabinet		
Cabinet Material	ABS plastic material	ABS plastic material
Adjusted Angles	0°,4°	0°,4°
Cabinet Color	Metal gray	Metal gray
Grille	Aluminum mesh	Aluminum mesh
Grille Color	Can be customized	Can be customized
Pole Mount	M10	M10
Support Hole	M10 Support Hole	M10 Support Hole
Speaker Dimension(W×H×D)	215×122×165mm	215×122×165mm
Carton Dimension(W×H×D)	253×160×247mm	253×160x247mm
Net Weight	2.3kg	2.5kg
Shipping Weight	2.7kg	2.9kg

T8

Point Source / Line Array Loudspeakers

T8 adopts unique T-eye™ design, using 4 pcs dome tweeters, and the array layout is assembled in the center front of the speaker, which makes the speaker with wider frequency response, larger near-field coverage and smoother sound.

With modular design concept, T8 can be used in single pc or multiple pcs as line array to meet different demands. The angle of the fly bar can be adjusted 0 °, 2 °, 4 °, 6 °, 8 °, 10 °, 12 ° according to different venues and different applications. Single pc can be mounted by wall mount bracket, with the mounting degree to be adjusted vertically. T8 is with molded industrial design cabinet side cover, to work as handle and hide the pins.

	T8
Type	Point Source / Line Array Loudspeakers
Power	260W
Frequency Response(-10dB)	65Hz-20kHz
Horizontal Coverage	110°
Vertical Coverage	60°
MaximumCalculatedSPL/1M(Continuous/Peak)	122dB/128dB
HF Drive	4x1" Driver
LF Drive	8" Driver
Rated Impedance	8Ω
Crossover Mode	Passive Crossover
Input Connectors	Speakon 4Pin
Cabinet	
Cabinet Material	Wood+Plastic
Adjusted Angles	0°, 2°, 4°, 6°, 8°, 10°, 12°
Coating	Durable Polyurea Coating
Cabinet Color	Black
Grille	Iron mesh
Pole Mount	/
Speaker Dimension(W×H×D)	418×277×261mm
Carton Dimension(W×H×D)	490×340×350mm
Net Weight	8.0kg
Shipping Weight	8.5kg

T65

Hi Z and Low Z Linear Source Column Speaker

T65 passive Hi Z and Low Z linear source column speaker is built with 6 pcs 5'' LF drivers and 8 pcs dome tweeters. Compared to other same size column speakers, T65 is with more dynamic and smoother sound and wider frequency response. The drivers are arranged by elaborate calculation and Phycal™ physical calibration technology. The tweeters are designed with unique T-eye™ , arranged as bow type array, which makes the vertical coverage of the T65 much wider, ensures the well balanced and even sound of near and far field.

T65 is equipped with wall mount brackets to adjust the angle horizontally and vertically. T65 is built-in with voltage and impedance output switch tap, which makes T65 with more applications.

T83

Hi Z and Low Z Linear Source Column Speaker

T83 passive Hi Z and Low Z linear source column speaker is built with 8 pcs 3'' neodymium drivers. The drivers are arranged by elaborate calculation and Phycal™ physical calibration technology, which makes T83 with wider near-field horizontal and vertical coverage than the normal column speaker, to meet various demands.

T83 is equipped with wall mount brackets to adjust the angle horizontally and vertically. T83 is inbuilt with voltage and impedance output switch tap, which makes T83 with more pplications.

T43

Hi Z and Low Z Linear Source Column Speaker

T43 passive Hi Z and Low Z linear source column speaker is built with 4 pcs 3'' neodymium drivers. The drivers are arranged by elaborate calculation and Phycal™ physical calibration technology, which makes T43 with wider near-field horizontal and vertical coverage than the normal column speaker, to meet various demands.

T43 is equipped with wall mount brackets to adjust the angle horizontally and vertically. T43 is built-in with voltage and impedance output switch tap, which makes T43 with more applications.

	T65	T83	T43
Type	Hi Z and Low Z Linear Source Column Speaker	Hi Z and Low Z Linear Source Column Speaker	Hi Z and Low Z Linear Source Column Speaker
Power	480W	240W	120W
70V/100V Power	70V:120W/60W/30W/15W	70V:120W/60W/30W/15W	70V:60W/30W/15W/7.5W
	100V:120W/60W/30W	100V:120W/60W/30W	100V:60W/30W/15W
Frequency Response	60Hz-20kHz	110Hz-20kHz	110Hz-20kHz
Horizontal Coverage	110°	120°	120°
Vertical Coverage	30°	40°	40°
MaximumCalculatedSPL/1M (Continuous/Peak)	129dB/135dB	124dB/130dB	121dB/127dB
HF Drive	8x1″	/	/
LF Drive	6x5″	8x3″ Full frequency	4x3″ Full frequency
Rated Impedance	4Ω	4Ω	8Ω
Crossover Mode	Passive Crossover	/	/
Input Connectors	Euroblock	Euroblock	Euroblock
Cabinet			
Cabinet Material	Wood+Plastic	Wood+Plastic	Wood+Plastic
Adjusted Angles	/	/	/
Coating	Durable Polyurea Coating	Durable Polyurea Coating	Durable Polyurea Coating
Cabinet Color	Black	Black	Black
Grille	Iron mesh	Iron mesh	Iron mesh
Pole Mount	/	/	/
Speaker Dimension(W×H×D)	184×1077×255mm	121×918×191mm	121×549×146mm
Carton Dimension(W×H×D)	1255×340×475mm	1069×185x445mm	730×235x210mm
Net Weight	15.0kg	7.0kg	3.6kg
Shipping Weight	33.0kg(2pcs)	17.0kg(2pcs)	9.5kg(2pcs)

TW8

Subwoofer

TW8 subwoofer adopts compact and flat cabinet structure and innovative industrial design, which enables it to match with different venues and applications easily. TW8 is super compact and light weight. It can be wall mount and ceiling mount. The side part on the cabinet is molded user friendly ergonomic design, which can be used as handle for easy transport.

Wall-mount bracket is included for TW8, for both wall mount and ceiling mount.

	TW8
Type	Subwoofer
Power	200W
Frequency Response(-10dB)	48Hz-300Hz
MaximumCalculatedSPL/1M(Continuous/Peak)	122dB/128dB
HF Drive	/
LF Drive	1x8″ driver
Rated Impedance	8Ω
Crossover Mode	Built-in (passive) crossover
Input Connectors	Euroblock
Cabinet	
Cabinet Material	Wood+Plastic
Coating	Durable Polyurea Coating
Cabinet Color	Black
Grille	Iron mesh
Pole Mount	/
Speaker Dimension(W×H×D)	610×300×255mm
Carton Dimension(W×H×D)	689×380x299mm
Net Weight	8.0kg
Shipping Weight	11.0kg

Speaker Accessories

- **WM-BTF**
  Wall Mount /Monitor Bracket
- Dimension（WxHxD):
  140x55x117mm

Individual Wall Mount

Monitor

- **FF-BTF**
  Hanging Frame
- Dimension（WxHxD):
  164x100x300mm

- **LAW-BTF**
  Wall Mount Bracket
- Dimension（WxHxD):
  164x100x300mm

- **PMA-BTF**
  Pole Mount Bracket
- Dimension（WxHxD):
  164x92x205mm

- **WM-T8**
  Wall Mount Bracket
- Dimension（WxHxD):
  371x60x176mm

- **FB-T8**
  Hanging Bracket
- Dimension（WxHxD):
  383x48x469mm

- **LAW-T8**
  Wall Mount Bracket
- Dimension（WxHxD):
  383x160x610mm

- **WM05-BL/WM05-W**
  Wall Mount Bracket
  (vertically installed, able to adjust horizontally and vertically）
- Dimension（WxHxD):
  86x85x150mm

- **WM-TW8**
  Wall Mount Bracket
- Dimension（WxHxD):
  238x60x100mm

AUDIOCENTER

Dynamic Audio Solutions

Artist

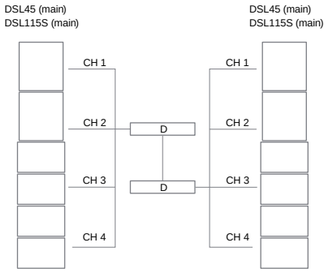
PROFESSIONAL FIXED INSTALLATION
AUDIO SYSTEM INTEGRATION SOLUTIONS

Application Cases

Istanbul 2,000-seat Gymnasium

Sound System Configuration

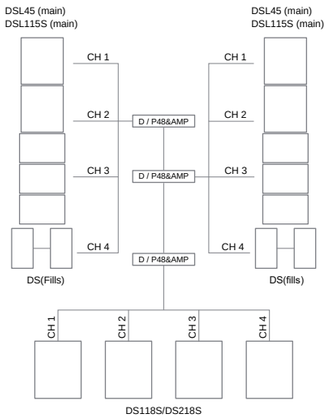
- **Main PA System**
  DSL45
  DSL115S
- **Power Amplifier**
  D Series DSP Digital Power Amplifiers

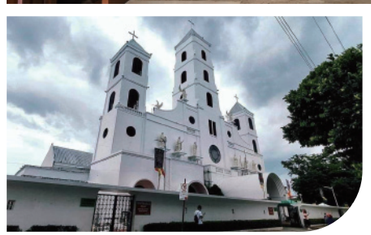


Isparta ITKM Cultural Center

Sound System Configuration

- **Main PA System**
  DSL45
  DSL115S
  DS218S
- **Side Fill System**
  DS10
- **Power Amplifier**
  D Series DSP Digital Power Amplifiers

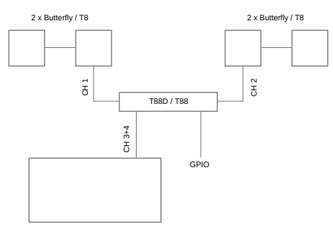


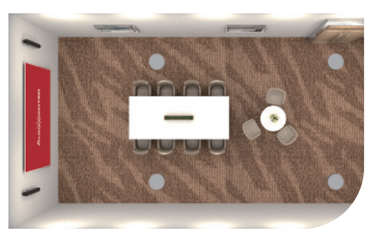


Santo Niño Parish Church in Tacloban, Philippines

Sound System Configuration

- **Speaker System**
  Butterfly/ T8
  TW8/ TW15
- **Audio Matrix**
  T88D/ T88

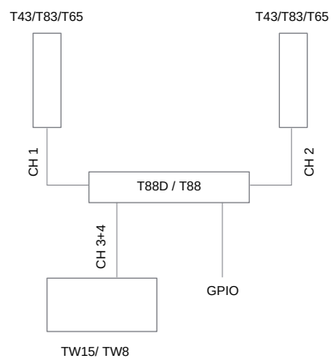


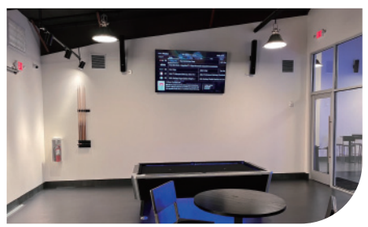


Conference Room

Sound System Configuration

- **Main PA System**
  T43/ T83/ T65
  TW8/ TW15
- **Audio Matrix**
  T88D/ T88
- **Power Amplifier**
  T4800/ T8800

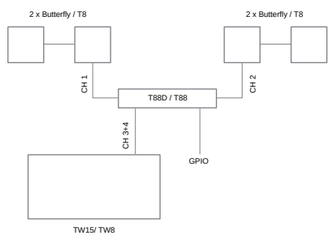




Bowling Center in Mexico

Sound System Configuration

- **Speaker System**
  Butterfly/ T8
  TW8/ TW15
- **Audio Matrix**
  T88D/ T88



Beach Bar & Restaurant on Sunny Beach, Bulgaria

Sound System Configuration

- **Speaker System**
  T3/ T4
  TW8/ TW15
- **Audio Matrix**
  T88D/ T88
- **Power Amplifier**
  T4800/ T8800