





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

# Artist

## PROFESSIONAL FIXED INSTALLATION AUDIO SYSTEM INTEGRATION SOLUTIONS















oof Digital Signal Zero-latency Backup High-sample-l 254 Transmission Seamless Switching Audio Process











## 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.



## **CORE PHILOSOPHIES**

Redefining the Future of Fixed - Installation Audio System Integration Solutions

## Flexibility and Customization

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

#### 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.

#### **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.

### Ш

#### **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.

### TV/

#### **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.

### 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 | 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



- 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.

#### ■ 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.

#### ■ 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.

#### 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.

#### ■ 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.

#### ■ 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.

#### ■ 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.

#### **■ 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.







## PROFESSIONAL FIXED INSTALLATION AUDIO SYSTEM INTEGRATION SOLUTIONS

## Contents

	00
Professional Services	80
Designer Series	09
D Series DSP Digital Power Amplifiers	
P48D / P48 Professional Audio Processors	
DSL Series Line Array Loudspeakers	
DS Series Point Source Loudspeakers	
Subwoofers	
T Series	19
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	

## **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



T88D / T88 Audio Matrix



P48D / P48
Professional Audio Processors

BrainCore CU
Audio Processor

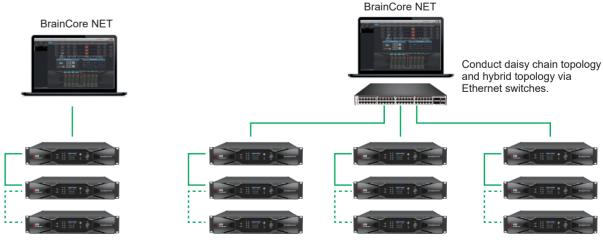
#### **Network Control**

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



#### **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  $6 \sim 48$  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

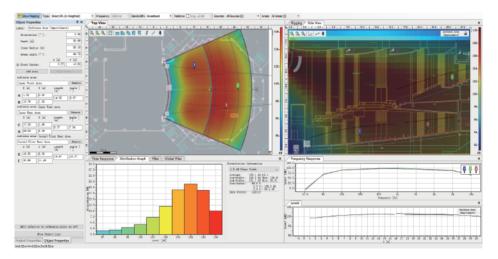
Our global team of professional application engineers brings deep expertise in loudspeaker solutions. Their mastery of EASE software enables them to pinpoint the requirements of diverse scenarios and deliver comprehensive audio system design services. From conducting site surveys to optimizing system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

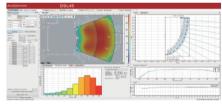
Audiocenter provides professional installation guidance, streamlining the design and implementation of audio systems in fixed - installation settings. We blend precision with ease to ensure each project achieves exceptional acoustic performance, precisely tailored to the unique demands of each venue.

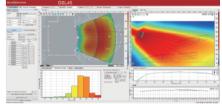
Our application engineers leverage industry - standard tools like EASE and EASE Focus for acoustic simulation. These robust programs accurately forecast sound coverage, speech clarity, and overall system performance, allowing us to design optimized audio systems for any space.











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.



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



#### **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**

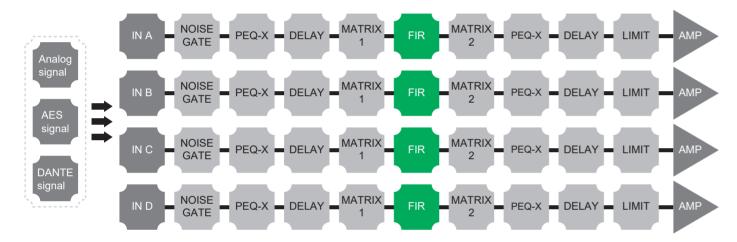
Equipped with the latest 32-bit floating-point digital processors, optimizing analog signal processing.

#### IIP Filtors

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 Filtors

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.

#### 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.

#### **■ Comprehensive Protection Circuits**

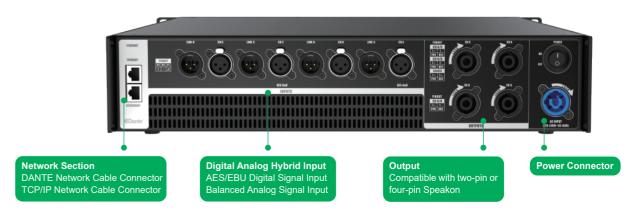
The D Series is equipped with comprehensive protection circuits, including limiter protection, soft start protection, DC protection, short circuit protection, and thermal protection, which can better protect the power amplifier, ensuring stable sound quality and speaker longevity.

#### ■ High Standards

All input and output connectors are professional-grade quality components.

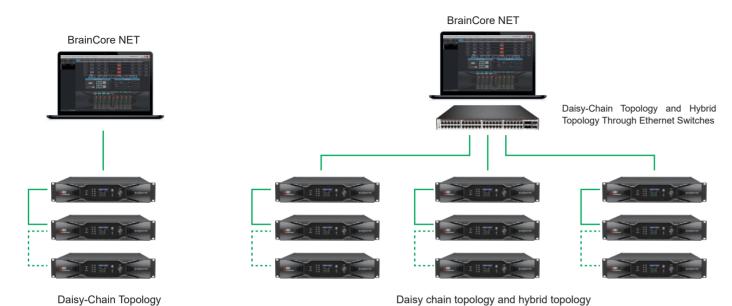
High-quality components ensure the amplifier operates stably in barsh environments







#### **Network Control**



		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 Sy		DC Protection,Sho	ort circuit protection,	Smart overheat ma	nagement,Overheat	protection,Output o	verload protection,	Soft startup protectio	n,Limiter protection
,	Sampling rate		48kHz/24bit						
DSP	Input		1) Input: 4x analogue, 4x AES ,4x Dante (D4.2K-D,D4.4K-D,D4.6K-D,D4.10K-D)						
processing				2	2) Noise Gate,gain,S	ensitivity,Phase,Mu	te		
			3) Inpu	ıt EQ:15 band EQ +	HPF/LPF(Butterwor	th, Linkwitz-Riley, B	essel:6 dB/oct to 48	3 dB/oct)	
					4) Input delay:90	Oms Per channel			
	Working mode				Matrix,Stereo,	Parallel,Bridge			
	FIR				4 channel FIR	2 4x2048 Taps			
	Output		1) Outp	ut EQ:10 band EQ -	+ HPF/LPF(Butterwo	rth, Linkwitz-Riley,	Bessel:6 dB/oct to 4	8 dB/oct)	
					2) Output delay:2	20ms Per channel			
					3) compress	or and limiter			
					4) Gain, P	hase, Mute			
USB control port					US	B-B			
TCP/IP network control	ol port	RJ45 x2							
Input Connectors		Male XLR & Female XLR							
Output Connectors			Speakon						
Input Impedance			≥20kΩ(Balanced);≥10kΩ(Unbalanced)						
Maximum input voltage	е		≥18dBu						
Sensitivity					0dBu/6dl	Bu/12dBu			
Frequency response(1	IW 8Ω stereo)				20Hz-20k	(Hz(±1dB)			
Crosstalk(1kHz,Rated po	ower 8Ω A weighted)				≥60	)dB			
S/N Ratio(Rated power	er 8Ω, A weighted)				≥10	0dB			
Damping Factor(1kHz	& 8Ω)				≥4	.00			
Intermodulation Distortion(	60Hz:7kHz=4:1, half power)				≤0.	1%			
THD+N(1kHz, 8Ω half po	wer 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						U			
Cooling					Front to back ventin	g,mandatory coolin	g		
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.

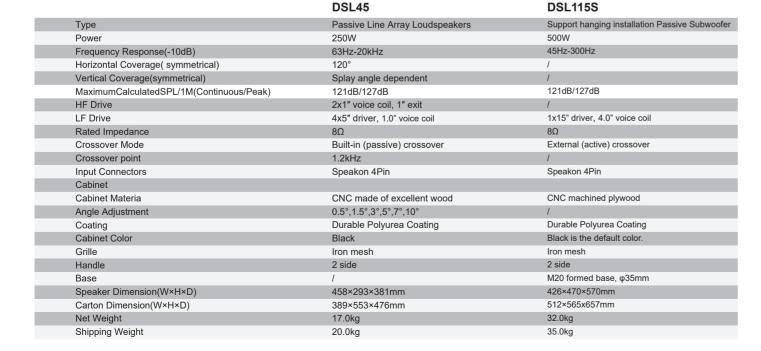
		P48D	P48	
Sampling Rate		96kHz	96kHz	
AD/DA Converter		24bit	24bit	
Audio System Delay		<2.1ms (analog input- analog output)	<2.1ms (analog input- analog output)	
Analogue Input		4-channel electronically balanced input	4-channel electronically balanced input	
AES Input		4-channel AES input	4-channel AES input	
Dante Input		4-channel Dante input	1	
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	1	
Output Interface		8x Male XLR	8x Male XLR	
		Each input 15-band EQ, ea	nch output 10-band EQ	
DSP	EQ	EQ types: PEQ, High/Low Shelf,All Pass,All Pass2,VariQ High/Low Pas	s,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		≥+20dE	Bu	
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%	6, 50-60Hz)	
Power consumption		<20V	V	
Rack space		1U		
Dimension(WxHxD)		483x44x265mm		
Net weight		3.6kg		



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





## DS Series

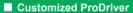
#### Passive Full Range Loudspeaker

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  $0^\circ$  or  $10^\circ$  angles, allowing the cabinet to be flown, wall-mounted, or pole-mounted with equal ease—seamlessly adapting to any sound reinforcement scenario.

**DS15** 

#### **Important Features**





- DMF Composite Material Horn Design
- Smart Crossover Design
- Rotatable Horn
- **Unique Driver Protection Circuit**
- Durable Polyurea Coating

**DS12** 



**DS08** 

Туре	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	1 back	2 side	2 side
Monitor Angle	1	1	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

**DS10** 





#### **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.

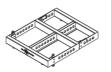
#### **Important Features**

- 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
---------	--------	--------

Туре	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



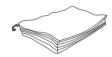
- WM-DS
   Horizontal U bracket
- Dimension(WxHxD):
   WM-DS10 539x70x258mm
   WM-DS12 613x80x283mm
   WM-DS15 710x82x345mm



• 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



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

T43

Subwoofers

T4.8V

T8.8V

T4800

T8800

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

T8



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

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.

- ETHERNET computer control interface
- 10 Power

Connected via standard IEC plug, Power switch



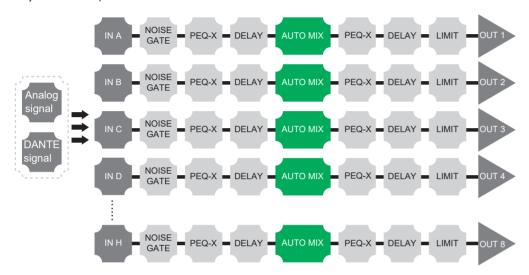
#### **High-Fidelity Sound Quality**

#### High-Resolution Conversion

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

#### IID Eiltors

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<sup>TM</sup> 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

Lapto

#### **T88D** T88 32-bit fixed/floating-point DSP 300MHz 32-bit fixed/floating-point DSP 300MHz Signal Processing Audio System Delay <1ms(analog input- analog output) <1ms(analog input- analog output) AD/DA Converter 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) 8-channel electronically balanced line output 8-channel electronically balanced line output,4-channel Dante output **Output Channels** Output Interface 3.81mm Euroblock (analog output), RJ-45 (Dante output) 3.81mm Euroblock (analog output) Input Impedance <1500 Output Impedance <1500 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 105dB(@12dBu,1kHz,A weighted)/line 95dB(@-7dBu,1kHz,A weighted)/mic 105dB(@12dBu,1kHz,A weighted)/line 95dB(@-7dBu,1kHz,A weighted)/mic Dvnamic 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 USB/RS232/RS485/TCP/IP USB/RS232/RS485/TCP/IP Connection type AC Power Operating Range 100-240V(±10%, 50-60Hz) 100-240V(±10%, 50-60Hz) Power consumption <20W <20W Rack space 484x44x245mm Dimension(WxHxD) 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	>10ΚΩ
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



**T2.4V** 

With low impedance output and 70/100V outputs

Ω V

T4.4V
4 Channel Compact Class D Amplifier

Multi Channel Class D Amplifier

**T4.8V T8.8V** 

2 Channel Compact Class D Amplifier



Artistilli

With low impedance output

and 70/100V outputs

Ω V

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.

Installation

#### **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.

		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, Over	rheat 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 powe	r 8Ω, A weighted)	≥100dB	≥100dB
Damping factor(1kHz&	k8Ω)	≥200	≥200
Intermodulation Distort	tion(60Hz:7kHz=4:1, half power)	≤0.05%	≤0.05%
THD+N(1kHz, 8Ω hal	f 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



With low impedance output and 70/100V outputs

ΩV



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	n,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 8	Ω Stereo)	20Hz-20kHz(±0.5dB)	20Hz-20kHz(±0.5dB)
Crosstalk(1kHz, Rated powe	r 8Ω, A weighted)	≥60dB	≥60dB
S/N Ratio(Rated power 8Ω, A	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 pov	wer A weighted )	≤0.05%	≤0.05%
Amplifier Type (Output Circ	cuitry)	Class D	Class D
AC Power		100-130V/220-240V(±10%,50-60Hz)	100-130V/220-240V(±10%,50-60Hz)
Power consumption (1/8 c	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**





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.

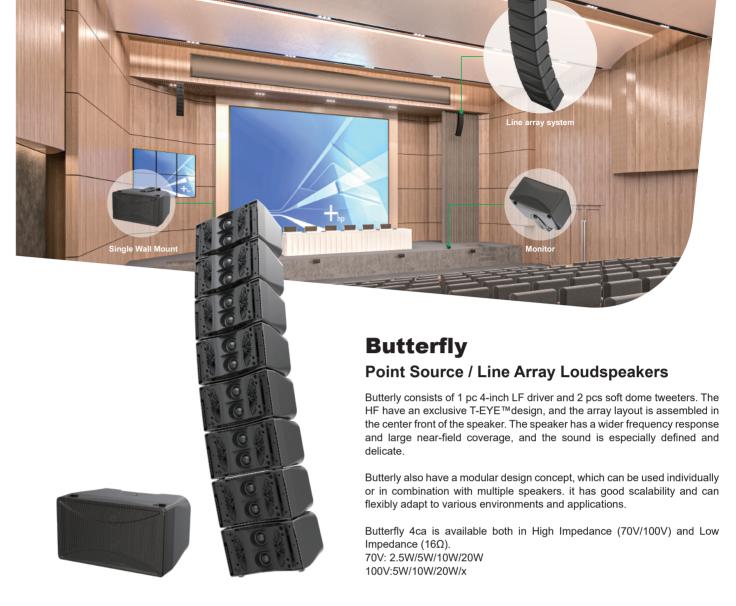
Two models are available, 4-channel T4800 and 8-channel T8800. It's 400W each channel at  $8\Omega$ . Each channel can work stably at  $4\Omega$ .

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 8	Ω Stereo	4x400W	8x400W
(1kHz 20ms Burst 4	Ω Stereo	4x800W	8x800W
THD+N=1%) 8	Ω 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)	≥20k $\Omega$ (Balanced) , ≥10k $\Omega$ (Unbalanced)
Maximum input voltage		≥20dBu	≥20dBu
Gain		Stereo/Parallel: 32dB; Bridge: 38dB	Stereo/Parallel: 32dB; Bridge: 38dB
Frequency response(1W 8Ω Ste	reo)	20Hz-20kHz(±0.5dB)	20Hz-20kHz(±0.5dB)
Crosstalk(1kHz, Rated power 8Ω, A	Aweighted)	≥60dB	≥60dB
S/N Ratio(Rated power 8Ω, A weigh	nted)	≥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, $8\Omega$ )	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 4pro Butterfly 4ca**

		IP54

Туре	Point Source / Line Array Loudspeakers	Point Source / Line Array Loudspeakers
Power (RMS)	60W	60W
Power (CV)	1	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



	Т8
Time	
Туре	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	1
Speaker Dimension(W×H×D)	418×277×261mm
Carton Dimension(W×H×D)	490×340×350mm
Net Weight	8.0kg
Shipping Weight	8.5kg

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.



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

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<sup>™</sup> physical calibration technology, which makes T43 with wider near-field horizontal and vertical coverage than the normal column speaker, to meet various

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
Туре	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	129dB/135dB	124dB/130dB	121dB/127dB
(Continuous/Peak)			
HF Drive	8x1"	1	1
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	1	1	1
Coating	Durable Polyurea Coating	Durable Polyurea Coating	Durable Polyurea Coating
Cabinet Color	Black	Black	Black
Grille	Iron mesh	Iron mesh	Iron mesh
Pole Mount	1	1	1
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)



#### 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

	I WO
Туре	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







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





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



Monitor



- 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







PROFESSIONAL FIXED INSTALLATION AUDIO SYSTEM INTEGRATION SOLUTIONS

**Application Cases** 















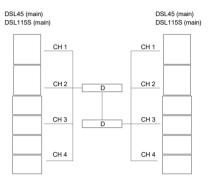


Istanbul 2,000-seat Gymnasium

#### Sound System Configuration

Main PA System
DSL45
DSL115S

Power Amplifier
D Series DSP Digital Power Amplifiers







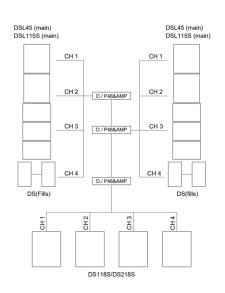
Isparta ITKM Cultural Center

#### Sound System Configuration

Main PA System
DSL45
DSL115S
DS218S

Side Fill System
DS10

Power Amplifier
D Series DSP Digital Power Amplifiers



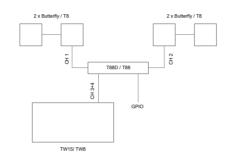




Santo Niño Parish Church in Tacloban, Philippines

#### Sound System Configuration

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

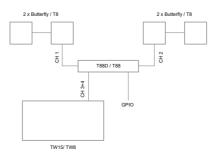


#### Sound System Configuration

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



**Bowling Center in Mexico** 





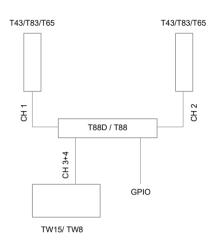
**Conference Room** 

Beach Bar & Restaurant on

Sunny Beach, Bulgaria

#### Sound System Configuration

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







Speaker System

Sound System Configuration

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

