

Commercial Series



Reinventing The Rules

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Commercial Series

INTRODUCTION

Tecnare Commercial Series are a new range of Ceiling and Built-In Loudspeakers, specially developed for PA Ceiling Applications, background music and foreground applications that require premium performance and cost competitiveness.

The smart design of CS Series, ensures a really easy and quick installation, avoiding any waste of time.

COMMERCIAL SERIES

CS SERIES

- *CS61
- *CS81
- *CS82

LTS SERIES

- *LTS9
- *LTS12

TS SERIES

- *TS24
- *T243
- *TS83

CS AMPS

- *DAV4X500
- *DMA8X8

P SERIES

- *P204
- *P601

PREMIUM PERFORMANCE

Instead Tecnare was focused since its foundation mainly in live events and big Pro Audio installations, we developed this new range of loudspeakers in order to satisfy the demands of our more reputed customers.

CS Series are the result of a long background in Audio and a long trajectory as Sound Consultants, for ensure the best Audio Solutions.



A WIDE RANGE OF SERIES

FOR ANY KIND OF INSTALLING APPLICATION

HIGH END SURROUND SOUND

Tecnare Commercial Series, integrates high quality performances with a discreet aesthetic, in order to satisfy the requests of any sound contractor.

Commercial Series will satisfy the needs of owners, architects, contractors and consultants by delivering through , Hi-Fidelity Sound Reproduction in an attractive and easy-to-install system.



CS61

HIGH PERFORMANCE PASSIVE 2-WAY- IN- CEILING LOUDSPEAKER

Tecnare CS61, is the entry level member of the Commercial Series Loudspeaker family. It is a high performance, full range, flush-mount loudspeaker, designed for background music and speech reproduction in a wide range of installed applications. This Coaxial Loudspeaker system features extended low frequency response up to 60Hz.

*Two Way Coaxial Passive Loudspeaker

*Broadband frequency response and low distortion

*Plastic fire dome, ensuring high-end surround sound

*ABS Speaker

*Internal Crossover Network to produce clear yet powerful sound

*Quick and Easy Ceiling Installation

*Good for Hi-demand audio enviroment



CS81

COMPACT COAXIAL 2 WAY IN CEILING SPEAKER

Tecnare CS81, as part as Tecnare Cs Series, is a compact, two-way ceiling loudspeaker, specially designed for background and foreground applications that require premium performance and cost competitiveness.

It brings full frequency response, consistent coverage and intelligibility to a wide range of architectural enviroments- From Hotels and concourses to Retail Outlets, Bars and Restaurants.



Specifications

CS61

System Type	2 Way Coaxial in Ceiling Loudspeaker
Components	1x6,5"LF glass fiber cone, rubber edge+2x20mm voice coil HF silk dome
Power Capacity (AES/Cont/Peak)	50W/100W/200W
Frequency Response	60Hz-20kHz
Sensitivity (dB)	89 dB
Enclosure	ABS Baffle with steel grille
Nominal Impedance	16 ohm
Dimensions	235x160mm/9.25"x6.3"
Ceiling Cutout Size	205mm/8.07"
Net weight	1,9Kg/4.19lbs
Finish	White

Specifications

CS81

System Type	2 Way Coaxial in Ceiling Loudspeaker
Components	1x8"Woofer
Power Capacity (AES/Cont/Peak)	80W (8 Ohms) 80W (8 Ohms)
Frequency Response	60Hz-20kHz
Sensitivity (dB)	89 dB
Enclosure	ABS Baffle with steel grille
Nominal Impedance	16 ohm
Dimensions	235x160mm/9.25"x6.3"
Ceiling Cutout Size	205mm/8.07"
Net weight	1,9Kg/ 4.19lbs
Finish	White

LTS9

WATERPROOF HORN LOUDSPEAKERS

LTS is a High-power Weatherproof outdoor Full range loudspeaker, it can adapt itself to a great variety of extreme climate and environmental conditions. LTS is ideal for speech and music in a wide variety of applications, including sports facilities, stadiums, fairgrounds, cruise ships, water parks, outdoor background music/paging systems, swimming pools, House of worship and a wide variety of other outdoor or indoor venue types.

*Highly weather-resistant IP56 rating

*Consistent 100° x 100° broadband pattern control.

*All -weather designed: Its shell made by latest aerospace industry technology.

*Aviation composite material performing high strength, endurance and light weight.

*Maximum output sound pressure level can reach 128dB at 1 meter, music effect transmissions up to 350 meters, and voice transmission up to 500 meters



Specifications

Power Taps

Power @8Ω¹

Frequency Response²

Frequency Response³

Sensitivity (dB)

Calculate SPL

Dispersions (HxV)

Components

IP Rate

Dimensions

Construction

Net weight

Protective Grille

LTS9

100W@100V

150 W (AES) / 300 W (Continuous)

250 Hz - 18 kHz

290 Hz - 17 kHz ±3 dB

90 dB SPL

110 dB SPL / 116 dB

100° x 80°

1 x 8" (LF) + 1" (HF), 3" Voice Coil

IP56

300 x 300 x 380 mm (11,81" x 11,81" x 14,96")

White ABS enclosure

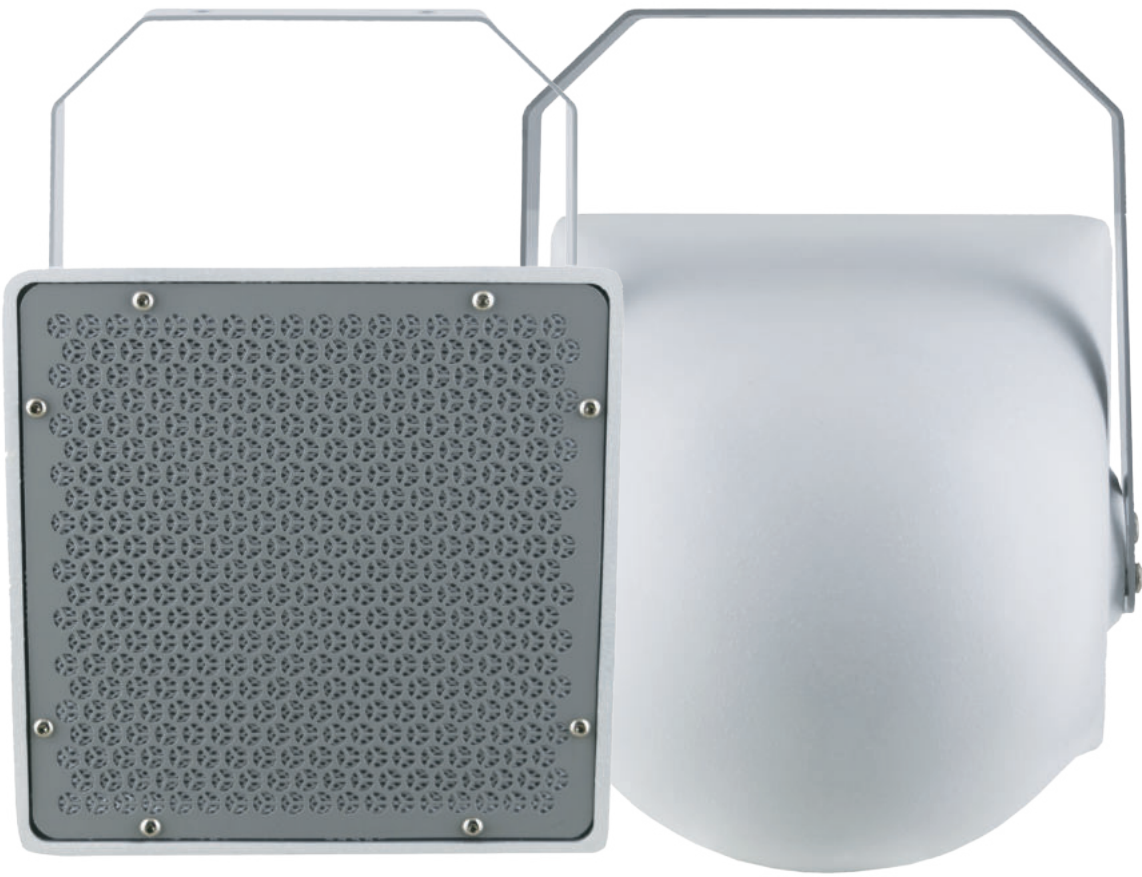
16 kg/35,27lbs

Powder coated custom perforated steel

¹ Based on AES Standard, 2 hours test applying 6dB crest factor pink noise signal within the range Fs-10Fs (AES-1984)

² Recommended maximum operating range. Response depends on loading conditions and room acoustics

³ Free field measured with 1/3 octave frequency resolution at 4m



LTS12

WATERPROOF HORN LOUDSPEAKERS

LTS is a High-power Weatherproof outdoor Full range loudspeaker, it can adapt itself to a great variety of extreme climate and environmental conditions. LTS is ideal for speech and music in a wide variety of applications, including sports facilities, stadiums, fairgrounds, cruise ships, water parks, outdoor background music/paging systems, swimming pools, House of worship and a wide variety of other outdoor or indoor venue types.

Specifications

Power Taps

Power¹

Frequency Response²

Frequency Response³

Sensitivity (dB)

Calculate SPL

Dispersions (HxV)

Components

IP Rate

Dimensions

Construction

Net weight

Protective Grille

LTS12

250W@100V

300 W (AES) / 600 W (Continuous)

230 Hz - 15 kHz

270 Hz - 13 kHz ±3 dB

96 dB SPL

121 dB SPL / 127 dB

100° x 90°

1 x 12" (LF) + 1" (HF), 3" Voice Coil

IP56

420 x 420 x 460 mm (16,53" x 16,53" x 18,11")

White ABS enclosure

28 kg (61,73 lbs)

Powder coated custom perforated steel

¹ Based on AES Standard, 2 hours test applying 6dB crest factor pink noise signal within the range Fs-10Fs (AES-1984)

² Recommended maximum operating range. Response depends on loading conditions and room acoustics

³ Free field measured with 1/3 octave frequency resolution at 4m



P 204

INTRODUCTION

The IBZA P204 is a 16 Ohm Ultra-Compact full range weatherproof plastic loudspeaker, designed to be used as a sound reinforcement speaker in a wide variety of audio applications.



The double high sensitivity 4" and the 25mm silk soft dome tweeter produce full range sound quality for foreground or background music, being voiced for maximum speech clarity and intelligibility.

The enclosure includes a special mounting bracket with an adjustable splay angle of 10° vertically.

The 3 support base provided by the flat bottom surface of the cabinet, allows also the speaker to be set on a surface such as a shelf.



P204

MAIN APPLICATIONS

- Bars and restaurants
- Stand alone system
- Near-field applications
- Background music in restaurant, disco, club.

MAIN FEATURES

- Ultra-Compact two-way system
- 2 x 4-inch-LF/ 25mm dome tweeter
- High-output, high-definition sound from an ultra-compact enclosure

Specifications

- Frequency Response¹
- Components:
- Nominal Dispersions:
- Impedance:
- Axial Sensitivity:
- Calculated SPL:
- Power Handling:
- Dimensions (HxWxD):
- Net Weight (kg/Pounds):
- Construction:
- Grille:

P204

- 80 Hz – 20 kHz ± 4dB, measured on axys
- 2 x 4-inch LF driver and 1 x 25 mm
- 120°H x 120°V @ 6dB point
- 16 Ohm
- 92dB (1W/1m)
- 111 dB continuous / 117 peak
- 80 W AES / 160 W continuos
- 182 x 182 x 320 (mm) / 7.17" x 7.17" x 12.60"
- 4,5 kg. / 9.92 lbs
- Weatherproof plastic. Finished in Black
- Powder coated perforated steel with acoustically transparent reticulated foam





P 601

INTRODUCTION

The P 601 is a Two Way passive 60W cabinet loudspeaker intended for use in general indoor & outdoor applications.

It is excellent in recreating original audio effects and background music.

3 types of speaker inputs: 8 ohm, 70V and 100V are suitable for either high or low voltage audio signal inputs.



Equipped with a 6.5 inch loudspeaker, the bass audio performance is free from distortion due to prolonged low-frequency operation. High frequency is handled by a 1 inch silk tweeter, extending the treble range of frequency response and increasing the high quality acoustic performance.

Thanks to its IP66 certification this loudspeaker brings a hi-performance to outdoor music like park, zoo, garden and playground sound system.

The adjustable standard bracket included, meeting the needs in different configurations and straightforward installation.



P 601

MAIN APPLICATIONS

- Background music & Paging
- Museums & Outdoor spaces
- Hotel & Convention centres
- Educational facilities
- Corporate Offices

System

MAIN FEATURES

- Commercial PA loudspeaker w/ transformer
- IP66 for water resistant applications
- ABS enclosure, stainless metal grille.
- Stainless wall bracket included

Specifications

- Frequency Response¹:
- Frequency Response free field²:
- Components:
- Axial Sensitivity:
- Calculate SPL:
- Power AES@8ohms:
- Power Taps:
- Line Voltage:
- IP Rate:
- Processing:
- Dimensions (HxWxD):
- Net Weight (kg/Pounds):
- Dispersions (HxV):
- Construction:
- Grille:

P601

- 70 Hz- 20 kHz
- 100 Hz- 20 kHz
- 1,65"LF cone driver and 1x1" silk dome tweeter
- 83 dB SPL
- 100 dBspl / 106dBspl Peak
- 60 W AES / 120 W continuous
- 40W/20W/10W/OFF & 8 ohms
- 100V/70V
- IP66
- DP4896, DAV4X500, XIT4
- 182 x 182 x 320 (mm) / 7.17" x 7.17" x 12.60"
- 3,5 kg. / 7.71 lbs
- 120° x 80°
- Black or White ABS enclosure
- Powder coated stainless grille to avoid oxidation under unfavorable enviromental conditions

¹Recommended maximum operating range. Response depends on loading conditions and room acoustics
² Free field measured with 1/3 octave frequency resolution at 4m
³ Based on AES Standard, 2 hours test applying 6dB crest factor pink noise signal withing the range Fs-10Fs (AES-1984)





TS Series

INTRODUCTION

Tecnares TS Series are a new Range of Tower Loudspeaker Series, specially designed for installations, where high definition and fashion design were required



TS24



The TS24 is a public address lightweight AL profile loudspeaker, specially designed to be a cost-effective solution column array line, consisting of a kit of four enclosures, each one formed by two weather treated 4" transducers.

This is the ideal solution for short or medium range environments with demanding acoustics where speech intelligibility is a primary concern.

With rugged powder coated lightweight aluminium construction, steel hardware, has been designed to be a cost-effective solution for multiple applications. Installers will appreciate the quick-hang ceiling, flying system, especially designed for mounting four elements of TS24.



TS 24

MAIN APPLICATIONS

- Public address installation
- Place of worship
- Convention centres
- Hotels
- Outdoor music and speech use

MAIN FEATURES

- Compact full range passive system
- 2 x 4" + 1 x 1" Loudspeakers
- Cost-effective Solution for installations
- Mounting accessories

Specifications

Specifications	TS24
Frequency Response ¹	88 Hz - 20 kHz
Frequency Response: Free Field SPL (1m)	90 Hz - 18 kHz ±3 dB 112 dB SPL
Maximum Peak SPL	118 dB SPL
Transducers: Low/High Frequency	2 x 4" + 1 x 1"
Sensitivity (1W/1m)	97 dB
Dispersions (HxV)	Symmetrical 120° x 30°
Recommended amplifier	DAV4x500, Xit4, T-Series
Power @8Ω ²	60 W (AES) / 120 W (Continuous)
Impedance	8 ohm
Input Connectors	2 x HRJ4HH-1 connectors or sealing gland nut
NET Weight	2,5 kg (5.51 lbs)
Dimensions (HxWxD)	308 x 126 x 94 mm (12" x 5" x 4")
Construction	Extruded aluminium profile, textured powder coating.
Protective Grille	Powder coated custom perforated steel with acoustically transparent reticulated fabric

¹ Recommended maximum operating range. Response depends on loading conditions and room acoustics
² Based on AES Standard, 2 hours test applying 6dB crest factor pink noise signal withing the range Fs-10Fs (AES-1984)



TUB-TS24

Bracket for one TS-24
Case Column



TS 43

INTRODUCTION

The Tecnare TS-43 is a compact pasive full-range column loudspeaker designed for small to mid-size venues with dificult acoustic enviroment where compact size, light weight and high speech intelligibility over distance are required.

The column speaker are constructed in a narrow aluminum profile and contains four 3-inch low distortion cone loudspeakers.



4x3"" Speaker



The small and unobtrusive aluminum enclosure is a fit for most architecturally environments. This range of speakers is the perfect solution for all kind of public address installations, designed to offer a cost efective but professional solution, suited for installations such as conference rooms, congress centers, place of worship, shopping malls, etc.

TS-Series passive column loudspeakers are available in 2 colors : black and white

Wall mount supports/brackets included.



TS 43

MAIN APPLICATIONS

- Public address installation
- Place of worship
- Convention centres
- Hotels
- Outdoor music and speech use

MAIN FEATURES

- Compact full range passive system
- 4x3" Full range loudspeaker
- 8 Ω nominal impedance
- Mounting accessories

Specifications

Specifications	TS43
Frequency Response ¹	190 Hz - 20 kHz*
Frequency Response: Free Field	200 Hz - 18 kHz ± 3 dB
SPL (1m)	117 dB SPL
Maximum Peak SPL	123 dB SPL
Transducers: Low/High Frequency	4 x 3" ferrite cone drivers
Sensitivity (1W/1m)	92 dB
Dispersions (HxV)	Symmetrical 120° x 30°
Recommended amplifier	PA900/PA4.450/T6-44/T03-48
Power @8 Ω ²	120 W AES / 240 W (Continuous)
Impedance	8 ohm
Input Connectors	IN: 1xBarrier screw terminal block
NET Weight	3,78 kg (8.33 lbs)
Dimensions (HxWxD)	484 x 116 x 86,7 mm (HxWxD) (19.05" x 4.57" x 3.41")
Construction	Extruded aluminium profile, textured powder coating.
Protective Grille	Powder coated custom perforated steel with acoustically transparent reticulated fabric

*Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.



TS 83

INTRODUCTION

The Tecna TS-83 is a compact pasive full-range column loudspeaker designed for small to mid-size venues with difficult acoustic enviroment where compact size, light weight and high speech intelligibility over distance are required.

The column speaker are constructed in a narrow aluminum profile and contains eight 3-inch low distortion cone loudspeakers.



8x3" Speaker



The small and unobtrusive aluminum enclosure is a fit for most architecturally environments. This range of speakers is the perfect solution for all kind of public address installations, designed to offer a cost efective but professional solution, suited for installations such as conference rooms, congress centers, place of worship, shopping malls, etc.

TS-Series passive column loudspeakers are available in 2 colors : black and white

Wall mount supports/brackets included.



TS 83

MAIN APPLICATIONS

- Public address installation
- Place of worship
- Convention centres
- Hotels
- Outdoor music and speech use

MAIN FEATURES

- Compact full range passive system
- 8x3" Full range loudspeaker
- 16 Ω nominal impedance
- Mounting accessories

Specifications

Specifications	TS83
Frequency Response ¹	125 Hz - 20 kHz*
Frequency Response: Free Field SPL (1m)	175 Hz - 18 kHz ± 3 dB 123 dB SPL
Maximum Peak SPL	129 dB SPL
Transducers: Low/High Frequency	8 x 3" ferrite cone drivers
Sensitivity (1W/1m)	92 dB
Dispersions (HxV)	Symmetrical 120° x 30°
Recommended amplifier	PA900/PA4.450/T6-44/T03-48
Power @8 Ω ²	240 W AES/ 480 W (Continuous)
Impedance	16 ohm
Input Connectors	IN: 1xBarrier screw terminal block
NET Weight	6.6 kg (14,55 lbs)
Dimensions (HxWxD)	888 x 116 x 86,7 mm (HxWxD) (34.96" x 4.57" x 3.41")
Construction	Extruded aluminium profile, textured powder coating.
Protective Grille	Powder coated custom perforated steel with acoustically transparent reticulated fabric

*Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.





DAV 4X500

DESCRIPTION

DAV4X500 is a multifunctional network DSP digital constant resistance and constant voltage power amplifier 4 x 500W @ 4Ω,4 x 300W @ 8Ω, bridge 2 x 1000W @ 8Ω, and constant voltage 100V-1000W @ 10Ω.

Real-time remote monitoring of power amplifier status, real-time setting of compressor, limiter, noise gate, parametric equalization, matrix routing, delayer and other DSP functions. The easy-to-use software interface provides customers with simple settings and operation experience, and multiple connection methods make it configurable and expandable, suitable for various use environments.

KEY FEATURES

- DANTE® network audio optional
 - Network TCP / IP control, can realize management of multiple devices
 - Remote power on / off
 - High resolution full color IPS LCD display
 - Built-in DSP digital processor
 - Support multiple connection methods: USB, TCP / IP, RS232, RS485
 - Constant voltage and resistance support: 100V, 70V, 8 ohm, 4 ohm
 - Real-time remote monitoring of the working status of the power amplifier
- Amplifier can be identified on site by software
 - Support balanced XLR input and unbalanced RCA input
 - Support stereo, bridge, mono, free matrix mode, one-button switching
 - Two levels of adjustable input sensitivity: odBu / 6dBu, software or color LCD screen setting
 - Power-on status can be set, Power On / Standby
 - Software control, can control media matrix and professional processor at the same time
 - Wide voltage operation 90-260VAC

AMPLIFIERS

Type: High efficiency class D

Number of channels: Two (Bridge mode) / Four

Output power (RMS program, 20Hz-20kHz all channels driven): per channel 500W in to 4 Ohms 300W in to 8 Ohms per bridged pair 1000W in to 8 Ohms; 100V line

Gain 6dBu: 30dB (29.5 times); odBu: 36dB (31.1 times)

DSP

Input EQ 31PEQS

Output EQ 10PEQS

Crossover Butt, Bess, LR, (6~24)

Delay Input Delay: 2x80ms / Out Delay: 4x20ms

Output Compressor Knee, Th, Attack, Ratio, Release

Output Limiter TH (90dBu~21dBu), Release (1~2895ms)

DSP Preset 30 (one for factory preset)

Sample Rate 48khz/24bits

Work Mode Stereo, Bridge, Mono, Free Matrix

CONNECTIONS

Mains (per DAV-4x500) IEC-C14

Audio input (per channel) 3 pin female XLR, 12 pin Phoenix Terminal

Audio link (per channel) 12 pin Phoenix Terminal

Output (per channel) Colour code, Binding posts

USB Type B (peripheral type)

Network (input & link) and Com. 2x RJ45 socket; TCP/IP,

1000base-T/100base-TX USB

RS485/RS232 GPIO

Audio Network (DANTE®)1 2x RJ45 socket



DMA8X8

8 IN 8 OUT DSP AUDIO PROCESSOR

DMA8X8 uses the industry-leading chip ADI DSP SHARC 21489, and the highest operating frequency can reach 450M Hz.

The input and output modules of DSP can be customized according to the site conditions. At the same time, it has independent AFC/ AEC/ ANS/ AGC/ gain sharing automatic mixing, threshold automatic mixing and other processing modules. Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.

FEATURES:

- *With industry-leading chip ADI SHARC 21489 , the working frequency can reach 450M Hz;
- *Customizing operation software makes the configuration more flexible, and it can control Different DSP.
- *Provides operation interface for customers to realize centralized control of multiple devices. And it can control third-party’s equipment through DUP RS232, RS485;
- *AFC (feedback suppression), AEC (echo cancellation), ANS (noise suppression), ANC (noise gain compensation), AGC (automatic gain), gain sharing, threshold automatic mixing, dodger and other processing modules;
- *Each channel has independent adaptive feedback suppression, automatically find the feedback point, and automatically suppress;
- *Full-featured matrix mixing, the input mixing level can be adjusted;
- *There are 16 presets, each preset works independently;
- *8 GPIOs can independently configure with input or output, and they can be used as independent ADC when configuring with input;
- *Support channel copy, LINK and group functions;
- *Support RS232&UDP central control, UDP port can be set freely, and you can check the control software code;

SPECIFICATIONS

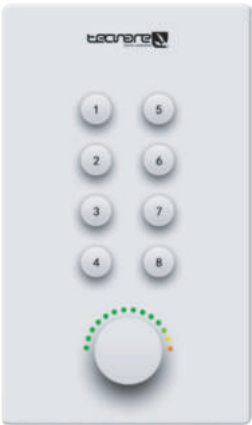
Input Channels(analog):	8	Phantom power:	+48V
Output Channels(analog):	8	Dynamic range (analog channel):	113dB
Input:	5/ 8/ 12 section PEQ (optional), AFC/AEC /ANS/AGC/Auto Mixer	Self-Noise (A-Weighting-analog):	-89dBu
Output:	Frequency divider: 5, 8, 12 segment PEQ (optional); Delayer; Limiter	Common mode rejection ratio @60Hz:	80dB
Input gain:	0/10/20/30/40/43 dB	Channel isolation @1kHz:	108dB
THD+N:	0.003% @4dBu	Input impedance (balanced connection):	9.4KΩ
		Output impedance (balanced connection):	102Ω
		System delay:	<3ms

MIC DMA8X8

Model	MIC DMA8X8
Rated Output level/ Impedance	odB/600Ω Balanced
Input Sensitivity/ Impedance	-36dB/20kΩ Balanced
Frequency Response (-1dB)	8oHz-15KHz
T.H.D	<0.1%
Hum & Noise	>90dB
Number of Zones	8 Zones
Net Weight	1.2kg
Dimensions (WxHxD)	140x60x205mm (only body)



PANEL A DMX8X8



Model	Panel A	Panel B
Programmable buttons	8	-
Control knob	1	1
Control protocol	UDP communication protocol	
Address setting method	T C P / I P	
Signal cable length	1 0 0 m e t e r s	
Power supply	POE power supply	
Connection port	R J - 4 5	
Power consumption	< 1 0 0 m w	
Color	W h i t e	
Material	Aluminum alloy sandblasting	

PANEL B DMX8X8

