

**DMX-8***Matrice digitale 8x8 canali***DMX-16***Matrice digitale 16x16 canali***Caratteristiche Tecniche**

INGRESSI	
Impedenza	10kohm
CMRR	>50dB (30Hz~20kHz)
USCITE	
Impedenza	<50 ohm
Max output electrical level	Vpp=4V Vpp=7.6V
Frequency response	20Hz~20kHz
DINAMICA	
Distortion	0,01%(THD)
Maximal delay time	1365 ms
Output Gain	-40dB~+6dB ±0.5dB
Input Gain	-40dB~+6dB ±0.5dB
FILTRI Equalizzazione	
Gain	± 12dB in 0,1 dB step
Central Frequency	20Hz~20kHz 360 ISO
Q value	0,4~128 100 selezionabili
SHELVING	
Lo-shelf	20Hz~1kHz
Hi-shelf	1kHz~20kHz
Shelf gain	± 12dB in 0,1 dB steps
FILTRI HPF&LPF	
Frequency high pass	10Hz~16kHz
Frequency low pass	35Hz~20kHz
Response curve	Butterworth 6/12/18/24/48dB Bessel 12/18/24/48dB Linkwitz-Riley 24/48dB
COMPRESSORE	
Threshold	- 24~+12dB
Attack time	0,1~100ms
Release time	10ms~5s
Ratio:	1:128~128:128
Boost:	x1 -x2 - x4 - x8
LIMITER	
Threshold	-inf, -53dB~+10dB
Attack time	20µs~3ms
Hold time	0~10ms
Release time	10ms~5s
LCD	
	2x20 caratteri
Input LED	-24dB -12dB -6dB - 0dB - Clip
Output LED	-24dB -12dB -6dB - 0dB - Clip
CONNETTORI	
Input	XLR-3F
Output	XLR-3M
RS232	
Power	90-240VAC 50~60Hz
Fuse	T1A/250V
Dimensioni	480x88x230 mm

CARATTERISTICHE GENERALI

- 8 Ingressi 8 Uscite - Matrix (DMX-8)
- 16 Ingressi 16 Uscite - Matrix (DMX-16)
- 4 processori DSP a 28 bit parallelo (DMX-8)
- 8 processori DSP a 28 bit parallelo (DMX-16)
- 128dB di dinamica - Campionamento a 48kHz
- Equalizzatore parametrico o Shelving
- Crossover selezionabile 6/12/18/24/48 dB/oct
- Filtri Linkwitz-Riley - Bessel - Butterworth
- Delay fino a 900 ms per canale - Step da 21µs
- Compressor/Limiter indipendenti ogni canale con parametri regolabili
- Inversione di polarità ogni canale
- Digital Noise Gate
- Controllo software in tempo reale tramite le porte RS232 - USB - RS485
- Parametri memorizzabili tramite software con 16 memorie disponibili
- Display LCD 2x20
- Software per PC
- 5xLED indicatori In/Out ogni canale
- Menu controllo e funzioni

RSL 8/16*Remote Controller*

Pannello di controllo locale 16/8 in grado di selezionare la sorgente e regolare il volume della zona.

Dimensioni: 85x85x25 mm

USB/RS485*Adattatore USB/RS485*

Adattatore per porta USB con RS485. Ideale per portare il controllo della matrice a distanze anche elevate dal PC.



DS-214E
Digital Processor 2 in 4 out



DS-216E
Digital Processor 2 in 6 out



DS-418E
Digital Processor 4 in 8 out

- High-performance AD/DA DAC chip and high-speed processing DSP chip.
- Delay: 1S for each input and 1S for each output.
- Input 7-band PEQ and Output 7-band PEQ.
- Accessibility design (Digital lock, Copy, Routing, etc.)
- Support USB/RS485 communication, could be applied to different environments.
- Friendly and intuitive control interface, control debugging more convenient.

Caratteristiche tecniche

Model	DS418E	DS216E	DS214E
Input/Output	4 in 8 out	2 in 6 out	2 in 4 out
Input Impedance	10 kΩ		
Output Impedance	50 Ω		
Max. Input/Output level	19dBu		
Input/Output Gain	-40~+12dB, step 0.1dB		
Input/Output Delay	0ms~1s, step 21us		
Input/Output PEQ	Each channel has a 7-band parametric equalizer		
EQ Gain	-30~+15dB, step 0.1dB		
EQ Type	PEQ, Low shelf, High Shelf		
EQ Frequency	19.7~21.9 KHz		
EQ Bandwidth	PEQ 0.017~4.750 Oct		
Input GEQ	Each channel has 31-band graphic equalizer (1/3 oct)		
Crossover	Frequency: 19.7~21.9KHz		
	Slop: FLAT THRU, 12dB, 24dB, 36dB, 48dB		
	Butterworth 6dB -12dB - 18dB - 24dB - 48dB		
	Bessel 12dB - 18dB - 24dB - 48dB		
Compressor Threshold	Gate: -20~+20dBu, step 0.5dBu		
	Ratio: 1.2, 1.5, 2, 3, 4, 6, 10, 20, 40, 128:1		
Attack time	1~100ms, step 1ms		
Release time	50~1000ms, step 50ms		
Dynamic range	116 dB		
CMRR	>50dB		
Crosstalk	<-100dB		
Distortion	0.003% (1KHz, 0dBu)		
Voltage	90-250V/AC 50Hz-60Hz		
Weight	3.6 kg		
Size	482mm×158mm×45mm		



- Super-fast automatic feedback control
- Dual-channel input, each channel has 12 auto-search feedback points.
- The potentiometer LED indicates the input signal power strength.
- Every filter with separate dynamic and static filter, auto processing and lock the Trap Wave frequency.
- Places filters with 0.5Hz resolution.
- Provides more gain before feedback (6~9dB typical).
- Accurately distinguish music from feedback.
- Plug & play, simple to operate.

Caratteristiche tecniche

Frequency range	20Hz~20kHz ($\leq \pm 0.5\text{dB}$)	
Dynamic range	$\geq 110\text{dB(A)}$	
Time to find and eliminate feedback eliminate feedback	$\leq 0.4\text{s @ 1KHz}$	
Notch gain	Max -48dB	
Max output Level	$\leq 14\text{dBu}$	
THD+N	$\leq 0.0025\% @ +4\text{dBu}/1\text{KHz}$	
SNR	$\geq 100\text{dB(A)}$	
AD/DA	24bit, 14/128 times sampling	
Sampling frequency	48KHz	
Main AC	AC90~250V 50/60Hz	
Power consumption	$\leq 10\text{W}$	
Net Weight	2.1kg	
Size	482mm x 158mm x 45mm	
Input	TRS	2 TRS sockets
	XLR	2 XLR sockets
	Impedance	40k Ω balance - 20k Ω unbalance
	Gain	0dB / 12dB
Output	TRS	2 TRS sockets
	XLR	2 XLR sockets
	Impedance	150 Ω



CARATTERISTICHE GENERALI

- 24 bit dual DSP High performance
AD/DA campionamento 48kHz
- 2x31 bande 1/3 ottava ISO
- Filtri a Q costante
- Guadagno ingresso: $\pm 16\text{dB} \pm 0,5\text{dB step}$
- Guadagno di banda: $\pm 16\text{dB} \pm 0,5\text{dB step}$
- Risposta in frequenza: 20Hz a 20kHz $\pm 1\text{dB}$
- Gamma dinamica: <40Hz a 20kHz > 105 dB
- 100 Memorie disponibili
- Funzione Left/Right Copy & Flat function
- Funzione: Key Lock
- Controllo tramite USB
- Alimentazione switching: 90-250 V

DSD800/1800/3200/4000
Professional Digital Power Amplifier

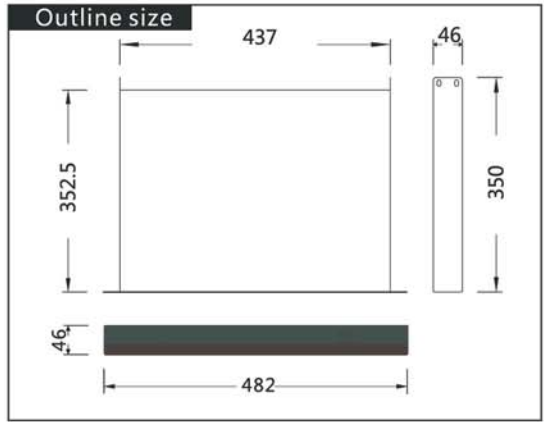


Characteristic :

- Applies the classical PWM circuit design and new technology protection circuit.
- Applies excellent power-supply design, reliable circuit, high efficiency and low distortion.
- New modulation mode helps to taking sample of extremely small signal, to improve and perfect the method of sampling.
- High switch mode frequency, precise controlling of dead-time, makes the distortion of the amplifier much lower, the sound quality reaches and even passes the traditional transformer amplifier.
- It has high reliability and applicability, big dynamic range, small size, light weight, high efficiency, low distortion, big output power, etc.

Technical Specifications

Model	DSD800	DSD1800	DSD3200	DSD4000
Channel	2	2	2	2
Output power(AC 230V /50Hz. All channels driven output power, THD=1%)				
8Ω Stereo	200W*2	450W*2	700W*2	1000W*2
4Ω Stereo	300W*2	700W*2	1300W*2	1700W*2
2Ω Stereo	400W*2	900W*2	1600W*2	2000W*2
Frequency response (@8)	20Hz~20KHz,+ -0.3dB~+ -0.3dB			
Slew rate	50V/us			
THD+N	<0.3%			
IMD-SMPTE	<0.3%			
S/N rate	>105dB			
Crosstalk	>75dB			
Damping factor	>800 (8Ω,20HZ~200HZ)			
Input power or voltage	1V			
Input impedance(bal/unbal)	20K/10K			
Voltage gain	32dB	36dB	40dB	41dB
Efficiency	>85%			
Cooling	air flow from front to rear			
Power Requirements	AC 220V~240V(50~60Hz)			
Height	1U			
Product dimensions(mm)	483*375*44mm			
Packing dimensions(mm)	530*530*90mm			
Net weight	5.6Kg	7Kg	8Kg	8Kg
Gross weight	7.2Kg	8.6Kg	9.6Kg	9.6Kg



DSQ2400/DSQ7200/DSQ10000

Professional Digital Power Amplifier



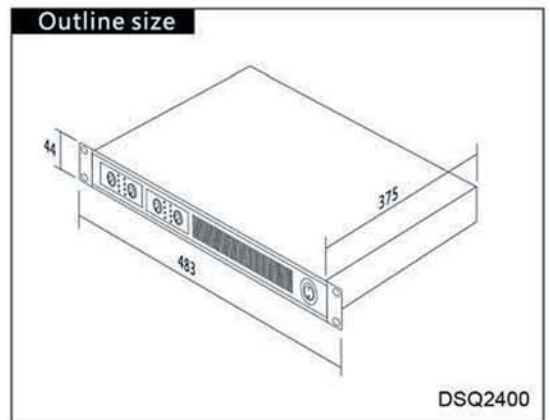
Characteristic :

- Modular design, each channel is fully separately and without any interference to other channels.
- 1U Rack design with small dimension, light weight and high output power.
- Universal switch mode power supply, intelligent Limiter and full protection circuitry.
- Selected material used with high-frequency Capacitively, imported variable-speed fan etc.

Technical Specifications

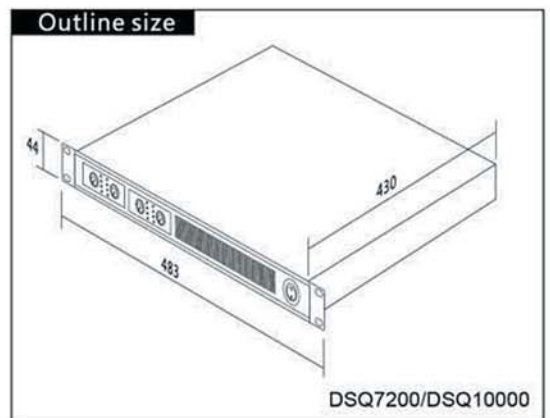
Model	DSQ2400	DSQ7200	DSQ10000
Channel	4	4	4
Output power (AC 230V* / 50Hz. All channels driven output power, THD=1%)			
8Ω Stereo	350W*4	800W*4	1300W*4
4Ω Stereo	500W*4	1500W*4	2400W*4
2Ω Stereo	600W*4	1800W*4	2600W*4
Frequency response (@8)	20Hz~20KHz, + -0.3dB~ -0.3dB		
Slew rate	50V/us		
THD+N	<0.3%		
IMD-SMPTE	<0.3%		
S/N rate	>105dB		
Crosstalk	>75dB		
Damping factor	>800 (8Ω, 20Hz~200Hz)		
Input power or voltage	1V		
Input impedance (bal / unbal)	20K/10K		
Voltage gain	35dB	38dB	40dB
Efficiency	>85%		
Cooling	air flow from front to rear		
Power Requirements	AC 220V~240V(50~60Hz)		
Height	1U		
Product dimensions(mm)	483*375*44mm	483*430*44mm	483*430*44mm
Packing dimensions(mm)	530*530*90mm		
Net weight	7.5Kg	9.5Kg	10.5Kg
Gross weight	9.2Kg	11.2Kg	12.2Kg

Outline size



DSQ2400

Outline size



DSQ7200/DSQ10000