

DSPA-1000

00274

DESCRIPTION

Professional DSP-controlled switch mode power amplifier.

FEATURES

- Professional DSP-controlled switch mode power amplifier.
- The high efficient class-D design guarantees high power, even at 2Ω!
- Stereo: 2x 300Wrms @ 8Ω ~ 2x 500Wrms @ 4Ω ~ 2x 750Wrms @ 2Ω
- Bridge: 1000Wrms @ 8Ω ~ 1500Wrms @ 4Ω
- Perfect for both DJ and install applications (pubs, shops, hotels, restaurants, ...)
- Complete DSP-section with:
 - HPF: (40~125Hz) eliminates unwanted, energy absorbing frequencies.
 - LPF: (6.3k~20kHz) cuts the upper frequencies if needed to avoid oscillations.
 - 8 Band parametric EQ: (100Hz~12.5kHz, Q:0.5~5, ±6db) for perfect tuning.
 - 2 Limiters: for increased protection (threshold 0~-12dB).
 - 2 Delays: can be set separately from 0 to 20ms (0 to 6,86m) for each channel.
 - Crossover: build an active system (Linkwitz-Riley 24dB/oct, 50Hz~3,15kHz)
 - 3 working modes: Stereo, Bridge, Input Y (mono in, used for active system)
- Temperature controlled fan cooling
- DC fault + high temperature + overload + short circuit protections
- Balanced XLR + jack inputs with possibility for daisy chaining of several inputs.
- SpeakON® + bind-post wire terminal outputs



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SPECIFICATIONS

General : Application	Commercial lighting, DJ & Club, Stage & Rental
General : Dimensions (cm)	48,2 x 8x8 x 28 cm
General : Weight (kg)	5.24
General : Color	black
General : Powerinput	AC 100 - 240V, 50/60Hz
General : Energy Label	No
General : Power consumption W	No
General : Display	LCD
General : Fixation	19" rack mountable
General : RU	2U
General : IP rating	indoor
Control : Type included remote	No
Control : optional remote	No
Audio : amplifier class	D
Audio : min. frequency (Hz)	20
Audio : max. frequency (Hz)	20000
Audio : crossover frequency range	No
Audio : S/N ratio (> dB)	100
Audio : damping factor (>...)	200
Audio : max. output channels	2
Audio : Power 2 Ohm (Wrms)	750
Audio : Power 4 Ohm (Wrms)	500
Audio : Power 8 Ohm (Wrms)	300
Connections : input	3-pin XLR
Connections : output	terminal + speakon + JACK
Connections : XLR 3 pin	Yes
Connections : XLR 5 pin	No
Connections : rca	No
Connections : jack	Yes
Connections : speakon	Yes
Connections : Power Conn.	No
Connections : usb	No
Connections : wifi	no
Connections : bluetooth	No
Function : equalizer	No
Function : sound effects	No
Function : crossover	fixed
Function : bridge mode	Yes
Function : DSP	Yes
Function : limiter	Yes
EANCode	5420025602747
Discontinued	No

DSPA Series

	DSPA-1000	DSPA-1500
Power stereo 8Ω (1kHz, THD+N 1%):	2x300Wrms	2x440Wrms
Power stereo 4Ω (1kHz, THD+N 1%):	2x 500Wrms	2x750Wrms
Power stereo 2Ω (1kHz, THD+N 1%):	2x 750Wrms	2x1200Wrms
Power bridge 8Ω (1kHz, THD+N 1%):	1000Wrms	1500Wrms
Power bridge 4Ω (1kHz, THD+N 1%):	1500Wrms	2400Wrms
Freq. Resp. (+/-0.5dB):	20-20.000Hz	
Input sensitivity:	+4dBu (1,2Vrms)	
Input CMMR (1kHz):	>50dB	
Input impedance:	30kΩ Balanced, 15kΩ un-Balanced	
THD: S/R ratio:	>100dB	
Channel separation 8Ω/1kHz:	>70dB	
Damping factor 8Ω/400Hz:	>200	
Cooling:	fan cooling	
Amplifier type:	Class D (switch mode)	
Power supply type:	Switch mode	
Input Connections:	Balanced XLR + balanced ¼" (6,3mm) stereo jacks	
Output Connections:	bind-post wire terminals and 2 SpeakON® for Stereo & Bridge Output	
Protection:	Soft Start, Short Circuit, Limiter, DC Fault, AC Line Fuse Thermal Cut	
Amplifier working modes:	Stereo ~ Bridge ~ Y-mode	
DSP processing:		
- HPF:	40Hz ~ 150Hz	
- LPF:	6,3kHz ~ 20kHz	
- PEQ:	8band 100Hz ~ 12,5kHz	
	* Q: 0,5 ~ 5 * Gain: ±6dB	
- 2 Clip limiters:	0dB ~ -12dB	
- 2 Delays (time alignment):	0 ~ 20ms (6,86m)	
- X-over (24dB/oct Linkwitz/Riley) :	50Hz ~ 3,15kHz	
Power Supply:	100~240Vac 50/60Hz	
Dimensions (mm):	482 x 88 x 280	
Weigth (kg):	4,9 kg	5,2 kg

