

# DSPA-1500

00275

## DESCRIPTION

Amplifier 2x 440W@80hm, 2x750W@40hm, 2x 1200W@20hm.

## FEATURES

- Professional DSP-controlled switch mode power amplifier.
- The high efficient class-D design guarantees high power, even at 2Ω!
- Stereo: 2x 440Wrms @ 8Ω ~ 2x 750Wrms @ 4Ω ~ 2x 1200Wrms @ 2Ω
- Bridge: 1500Wrms @ 8Ω ~ 2400Wrms @ 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

<b>General : Application</b>	Commercial lighting, DJ & Club, Stage & Rental
<b>General : Dimensions (cm)</b>	48.2 x 8.8 x 28 cm
<b>General : Weight (kg)</b>	5.7
<b>General : Color</b>	black
<b>General : Powerinput</b>	AC 100 - 240V, 50/60Hz
<b>General : Energy Label</b>	No
<b>General : Power consumption W</b>	No
<b>General : Display</b>	LCD
<b>General : Fixation</b>	19" rack mountable
<b>General : RU</b>	2U
<b>General : IP rating</b>	indoor
<b>Control : Type included remote</b>	No
<b>Control : optional remote</b>	No
<b>Audio : amplifier class</b>	D
<b>Audio : min. frequency (Hz)</b>	20
<b>Audio : max. frequency (Hz)</b>	20000
<b>Audio : crossover frequency range</b>	50 Hz - 3150 Hz
<b>Audio : S/N ratio (&gt; dB)</b>	100
<b>Audio : damping factor (&gt;...)</b>	200
<b>Audio : max. output channels</b>	2
<b>Audio : Power 2 Ohm (Wrms)</b>	1200
<b>Audio : Power 4 Ohm (Wrms)</b>	750
<b>Audio : Power 8 Ohm (Wrms)</b>	440
<b>Connections : input</b>	3-pin XLR
<b>Connections : output</b>	terminal + speakon + JACK
<b>Connections : XLR 3 pin</b>	Yes
<b>Connections : XLR 5 pin</b>	No
<b>Connections : rca</b>	Yes
<b>Connections : jack</b>	Yes
<b>Connections : speakon</b>	Yes
<b>Connections : Power Conn.</b>	No
<b>Connections : usb</b>	No
<b>Connections : wifi</b>	no
<b>Connections : bluetooth</b>	No
<b>Function : equalizer</b>	Yes
<b>Function : sound effects</b>	No
<b>Function : crossover</b>	fixed
<b>Function : bridge mode</b>	Yes
<b>Function : DSP</b>	Yes
<b>Function : limiter</b>	Yes
<b>EANCode</b>	5420025602754
<b>Discontinued</b>	No

## DSPA Series

	DSPA-1000	DSPA-1500
Power stereo 8Ω (1kHz, THD+N 1%):	2x300Wrms	2x400Wrms
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 bind-post wire terminals and 2 SpeakON® for Stereo & Bridge Output	
Output Connections:	Soft Start, Short Circuit, Limiter, DC Fault, AC Line Fuse Thermal Cut Stereo ~ Bridge ~ Y-mode	
Protection:		
Amplifier working modes:		
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

