

# Digital series DS50

Excellent sonic performance  
class-D design

- Flat, fully load-independent frequency response
- Switched mode power supply SMPS
- Dynamic Damping Control™ DDC
- Active Clip Eliminator™ ACE
- 64-bit 96kHz digital processing
- Aluminum Reinforced Molest Resistant Chassis™ ARMoR
- Road(y) proof
- Configuration and real time monitoring via PC over ethernet (10/100Base-TX) and USB
- Stage Control software, to remote control the DS50, is available for MS Windows (32-bit and 64-bit) and Mac OS X



Efficiency	92% @ full power
Max input level	+23dBu
Input impedance	25k
Frequency range @ 100W into 8 ohms	10Hz - 40kHz
Gain	32dB
Channel separation	> 90dB @ 1kHz
Total harmonic distortion	0.05% 20Hz - 20kHz, Pout < Pmax/2 0.03% 20Hz - 20kHz, Pout = 1W amplifier section
Output noise	30uV unweighted, 20Hz - 20kHz
Damping factor	10.000 @ 1kHz, 8 ohms
Output power @ 1kHz, <1% THD	2 x 1600 W @ 8 ohms 2 x 2500 W @ 4 ohms 2 x 2000 W @ 2 ohms
Amplifier section	flat, load-independent frequency response
Audio and data connections	1 x Neutrik USB connector (located at the front) 2 x XLR-3 female connector for input signal 2 x XLR-3 male connector for signal link

#### DSP section

Mains supply voltage  
Power consumption  
Weight  
Housing  
Physical dimensions (h x w x d)

#### Warranty

4 x SpeakON NL4 for output signal  
1 x 32A PowerCON connector for mains power  
2 x EtherCON connector (pass-through)  
2 x XLR-3 AES/EBU connector for input and buffered out  
up to 10 parametric filters on each input and each output  
Butterworth, Bessel, Linkwitz-Riley filters up to 24dB/oct.  
limiter on each input and each output stated at the rear of amplifier  
3500 VA  
12.5 kg (27.3 lb)  
19 in. rack mount, 2 HU high, 415mm deep  
88x482x412 mm. (without connectors and handles)  
3 years



*That's How Music Should Sound !*