

DIGAM S SERIES

- 6 channels in 2U size
- Suitable for 5+1 applications
- Worldwide power supply with PFC

The new and unique 6 channels series



The model S3400 is specifically designed for permanent installation sound systems where 2U rack space is a premium. The unit provides unsurpassed levels of channel density for multi-channel amplifier and represents an affordable solution for portable sound systems as well as cinema applications. The DIGAM S series represents a further flexible approach from stand alone use allowing to setting up complete cost effective applications of small/medium size with only one equipment.
DIGAM technology

Output Specifications*

		4 Ω dual/quad	8 Ω dual/quad	8 Ω bridge
S3400	CH1,2	850 W	450 W	1700 W
	CH3,4,5,6	430 W	215 W	890 W

*EIAJ Test 1kHz 1%THD

Features:

- Advanced switch-mode worldwide operating power supply technology for high performance and compact size
- Variable speed fan for low noise and compact size
- Power Factor Correction (PFC) for extremely low mains consumption and wide main operating range
- Variable speed fan for low noise
- Inrush Limiter for low AC inrush current, removing the need for expensive power sequencers
- XLR female / 6.3mm Janteurik® style input connectors with link capability
- Built-in Clip limiters
- Detented gain controls for fast and accurate gain settings (32, 30, 28, 26, 24, 22, 20, 14, 4 dB)
- Comprehensive front panel indicators including signal clip, protect and thermal forecast
- Fully protected circuit design including Duffasonic, high frequency, thermal overload and short circuit
- Fixed frequency switchmode output stage for high grade sound accuracy
- Compact size: all models only 2U for reduced rack cost and space
- Light weight: all models only 13.7kg (30 pounds) for easier racking and shipping
- Remote Control Option (RS 485 interface)

Audio Section:

Channels: 6
Bandwidth (1W, 8Ω): 5Hz - 30kHz
SNR (20Hz-20kHz Aweighted): > 105dB
Distortion THD: Max < 0.5% @ 0.1W to fullpower (typically < 0.1%)
Intermodulation distortion DIM100: Max < 0.02% @ 0.1W to fullpower (typically < 0.01%)
Intermodulation distortion SMPTE: Max < 0.5% @ 0.1W to fullpower (typically < 0.1%)
Damping Factor (8Ω): > 600 @ 100Hz
Voltage Gain: 32dB
Slew Rate (8Ω): 40V/μs (input filter bypassed)

Power Section:

AC Line Voltages: 95 - 265V (50/60Hz)
Power Factor cos(φ): More than 0.95 @ 200W to fullpower
Operating Environment Temperature: 0°C / + 45° C
Consumption Average: 900W

Input/Output:

Input Connectors: Balanced to ground, XLR female combo jack 6.3mm
Input Impedance: 10kΩ each electronically balanced to ground
Output Connectors: Neutrik® 4-pole Speakon® connectors: pins 1+/1- single ended, 2+/2- bridged.

Protections:

DC protection: protects against inductive signals
VHF protection: protects the loudspeakers against strong very high frequency non-musical signals above the audible range.
Thermal protection: prevents the amplifier from being overheated. The protection indicators on the front panel are switched on as a warning, before the protection process is initiated.
AC protection: shuts down the power supply if the line voltage is outside the operating voltage.
Clip limiter: prevents severely clipped waveforms from reaching the loudspeakers, whilst maintaining full peak power.

Controls/Indicators:

Front Panel: Led bar indicator, signal protect, temp, ready. Channel gain control knobs.

Construction:

External Dimensions: Standard rack 19" - 2 units (HxWxD) 88x482x400 mm
Weight: 13.7kg

Main Applications:

Cinema, Installations

