

DIGAM SERIES

- DIGAMechnology
- Road tested
- Power supply with PFC

The classic evergreen two channels



DIGAM Series are the first success of the recent story of Powersoft products. DIGAM 7000 and DIGAM 5000 represents the pioneer approach in the pro-audio market introducing the switching technology either in the power supply section or in the output stages. Retented circuit design provides incredible power in an unsurpassed 1 unit package. DIGAM Series is extremely versatile for powering live sound productions and medium and large installations. The DIGAM Series has been and is continuing to be a best selling solution.

Output Specifications*

	2 Ω dual	4 Ω dual	8 Ω dual
DIGAM 7000	3500 W	1910 W	1050 W
DIGAM 5000	2500 W	1360 W	750 W

*EIAJ Test 1kHz 1%THD

Features:

- Advanced switch-mode power supply technology for high performance and compact size
- Power Factor Correction (PFC) for extremely low mains consumption and wide operating range
- Variable speed fan for low noise
- Active Inrush Limiter eliminates AC inrush current, removing the need for expensive power sequencers
- XLR female / male Neutrik® style input connectors with linkability
- Built-in clip limiters
- Detented gain controls for fast and accurate gain settings
- Comprehensive front panel indicators including signal clip, high frequency, protect and thermal forecast
- Fully protected circuit design including D Class, high frequency, thermal overload and short circuit
- Fixed frequency switch mode output stage for high grade sound accuracy
- Compact size: all models only 1RU for reduced rack cost and space
- Light weight: all models only 9.5kg (21 pounds) for easier racking and shipping

Audio Section:

Channels: 2
Bandwidth (1W, 8Ω): 10Hz – 40kHz
SNR (20Hz-20kHz Aweighted): > 100dB
Distortion THD: Max < 0.5% @ 0.1W to full power (typically < 0.1%)
Intermodulation distortion DIM100: Max < 0.02% @ 0.1W to full power (typically < 0.01%)
Intermodulation distortion SMPTE: Max < 0.5% @ 0.1W to full power (typically < 0.1%)
Damping Factor (8Ω): >300 @ 100Hz
Voltage Gain/Sensitivity: 36.9dB/1.10 Vms Digam5000, 38.2dB/1.12 Vms (Digam7000) or 26dB internal selection for both models
Slew Rate (8Ω): 50V/μs (input filter bypassed)

Power Section:

AC Line Voltages: 95-130V (only Digam 5000) or 200-265V (50/60Hz) (Digam 5000/7000)
Power Factor cos(φ): More than 0.95 @ 200W to full power
Operating Environment Temperature: 0°C / + 45° C
Consumption Average: 1350 W (Digam 7000), 1050 W (Digam 5000)

Input/Output:

Input Connectors: Balanced to ground, XLR male/female parallel
Input Impedance: 10 Ω each electronically balanced to ground
Output Connectors: Neutrik® 4-pole Speakon® connectors (pins 1+, 2+ paralleled; 1-, 2- paralleled)

Protections:

DC protection: protects against infasonic 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, hi-freq, temp, ready. Channel gain control knobs.

Construction:

External Dimensions: Standard rack 19" - 1 unit (HxWxD) 44x482x455 mm
Weight: 9.5kg

Main Applications:

Touring, Installations

