

FRONT PANEL

- Air intake
- AC main switch with soft start
- Level control for each channel
(Gain settings 0db / -30db)
- LED - 10 led bar shows the output level and headroom for each channel
- On / ready indicator (Green led)
- Over temperature indicator (Yellow led)
- Short circuit protection indicator for each channel (Red led)
- Input signal presence for each channel (Green led)
- VHF protection indicator for each Channel (Yellow led)

BACK PANEL

- Right output: 4 poles Neutrik Speakon Connector(1+, 2+ paralleled, 1-, 2-paralleled)
- Left output: 4 poles Neutrik Speakon Connector(1+, 2+ paralleled, 1-, 2-paralleled)
- Right input: Canon XLR male and female connector paralleled
- Left input: Canon XLR male and female connector paralleled
- Mains: Neutrik Powercon connector
- Air outlet window

TYPICAL APPLICATION

DIGAM amplifiers are currently used in all top professional applications both in large and well powered fixed and live installations. The minimum size (one U) and weight with the extreme high efficiency in power consumption provides great advantages in the large system installations in terms of manual handling, reduced costs of power cabling and energy consumption. Moreover the DIGAM Series is attractive for its intrinsic flexibility also in high / medium power installation also for reduced size and weight (under 10 Kg).

PRODUCT MAINTENANCE AND SUPPORT

Thanks to the excellence of design and quality of components the Int'l. Distribution organization of Powersoft can provide a demonstrated easy maintenance and efficient support service. The well optimized modular structure of the product and the high reliability under the strongest professional use conditions are the key factor of a excellent return of customers investments.

DIGAM[®] SERIES



Specifications

POWER REQUIREMENTS

Power supply DIGAM 7000	AC 200V ± 265V, 50/60Hz
Power supply DIGAM 5000	AC 95V ± 265V, 50/60Hz
Power factor cos(φ).....	more than 0.95 from 200W to full Power
Operating temperature	0°C ± 45°C
Weight.....	9,5Kg
External dimensions	Standard Rack 19" (W), 1 units (H), 450mm (D)

AUDIO SECTION

Bandwidth (1W, 8Ω)	10Hz ± 40KHz
Damping factor (8Ω)	100Hz = 300 10KHz = 300
Slew Rate (8Ω)	50 V / μs (Input Filter bypassed)
S/N ratio	>100 dB / A (20Hz to 20KHz)
Distortion	THD: Max < 0.5% from 0.1W at full power (typically < 0.1%)
Intermodulation SMPTE	Max < 0.5% from 0.1W at full power (typically < 0.1%)
Intermodulation DIM 100	Max < 0.02% from 0.1W at full power (typically < 0.01%)
Inputs	Balanced to ground, XLR male/female paralleled
Impedance.....	10 KΩ each leg ,balanced to ground
Sensibility / Gain (full rated output power 8 Ω).....	DIGAM 7000 : 1.12 V / 38.2dB
Sensibility / Gain (full rated output power 8 Ω).....	DIGAM 5000 : 1.10 V / 36.9dB
Gain (when removing the internal jumpers for all models).....	26dB
Outputs.....	Neutric 4-pole speakon connectors (pins 1+ 2+ paralleled, 1-2- paralleled)

OUTPUT SPECIFICATIONS

Power RMS x Channel (W)		DIGAM 5000	DIGAM 7000
1 Channels working (1KHz, 0.5% THD)	2 Ω	2050	2900
	4 Ω	1360	1910
	8 Ω	750	1050
2 Channels working (1KHz, 1% THD)	2 Ω	2500	3500
	4 Ω	1360	1910
	8 Ω	750	1050
EIAJ Test	8 Ω	750	1050

FUNCTIONS

Power Factor Correction System (PFC)
LED bar indicator / Over-temperature forecasting / Thermal protection / Gain control / Short-circuit / Over-load output protection / Temperature controlled air-cooling system / Clip limiter and permanent signal compressor / High frequency indicator

Options: Autoreset system / Detachable air filter

All specifications or functions subject to change without notice



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