

# DIGAM D SERIES

- DIGAMechnology
- Two powerful channels in compact 1U size
- Worldwide power supply with PFC
- Remote control option

The evolution of DIGAMtechnology for a widerange of 2 channel uses



DIGAM D Series offer various power ratings in 6 models ranging from 2 x 400 watts/ch. @ 4 Ohm to 2 x 2000 watts/ch. @ 2 Ohm, still maintaining the 1U unit size. This series, in similar way to the corresponding DIGAM Q series, is particularly suitable to be used either for stand alone medium/small installations or in large and distributed systems thanks to the capability of advanced remote control and monitoring features suitable to manage up to 100 amps. The DIGAM D series represents a further flexible and cost effective approach from stand alone use to large systems, allowing in various system configurations to reduce the total number of equipments.

## Output Specifications\*

	2 Ω dual	4 Ω dual	8 Ω dual	4 Ω bridge	8 Ω bridge
<b>D4002</b>	2000 W	1100 W	650 W	4000 W	2200 W
<b>D2004</b>		1000 W	600 W	3000 W	2000 W
<b>D3002</b>	1500 W	830 W	500 W		1660 W
<b>D1604</b>		800 W	500 W		1600 W
<b>D2002</b>	1000 W	600 W	350 W	2000 W	1200 W
<b>D1502</b>	750 W	400 W	250 W	1500 W	800 W

\*EIAJ Est 1kHz 1%THD

**Features:**

- Advanced switch-mode worldwide operating power supply technology for high performances 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 Jack/Neutrik® style input connectors with link capability
- Built-in clip limiters
- Detented gain controls for fast and accurate gain setting (32,30,28,26,24,22,20,18,14,4 dB)
- Comprehensive front panel indicators including signal clip, protect and thermal forecast
- Fully protected circuit design including DGFsonic, high frequency, thermal overload and short circuit
- Fixed frequency switchmode output stage for high grade sound accuracy
- Compact size: all models only 1RU for reduced rack cost and space
- Light weight: all models only 8.5kg (18pounds) for easier racking and shipping
- Remote Control Option (RS 485 interface)
- Selectable noise gate
- Selectable active filter HP, LP, BP 12dB/oct 65/100/130 Hz for each channel

**Audio Section:**

**Channels:** 2  
**Bandwidth (BW, 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 @ 0.1W to fullpower  
**Operating Environment Temperature:** 0°C / + 45° C  
**Consumption Average:** 900 VA (D4002) 650 VA (D3002) 450 VA (D2004 D2002) 350 VA (D1502 D1604)

**Input/Output:**

**Input Connectors:** Balanced to ground, XLR female combo jack 6.3 mm  
**Input Impedance:** 10 kΩ each electronically balanced to ground  
**Output Connectors:** Neutrik® 4pole Speakon® connectors, pins 1;+1- single ended; pins 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" - 1 unit (HxWxD) 44x482x475 mm  
**Weight:** 8.5 Kg

**Accessories:**

**Networking:** Optional  
**Constant Voltage Output:** Galvanic Insulation Unit TU4

**Main Applications:**

Portable Sound, Cinema, Installations, Public Addressing

