

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 |
|--------------|----------|----------|----------|------------|------------|
| D4002 | 2000 W | 1100 W | 650 W | 4000 W | 2200 W |
| D2004 | | 1000 W | 600 W | 3000 W | 2000 W |
| D3002 | 1500 W | 830 W | 500 W | | 1660 W |
| D1604 | | 800 W | 500 W | | 1600 W |
| D2002 | 1000 W | 600 W | 350 W | 2000 W | 1200 W |
| D1502 | 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 DGF (dynamic), 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 8.5kg (18 pounds) 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® 4-pole 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

