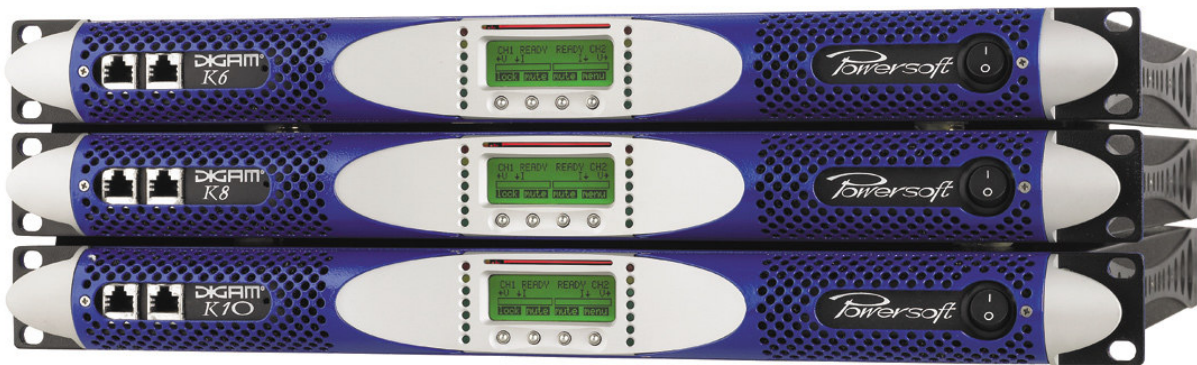


DIGAM K SERIES

- Enhanced DIGAM technology for a superior audio fidelity
- Up to 12kW output on 1U size
- Interactive LCD display
- Worldwide power supply with PFC

The new two channels Powersoft flagship



DIGAM K Series is a new milestone of switch mode amplification providing incredible power in 1 rack unit with the lowest weight and highest efficiency. DIGAM K Series sonic performances set a new target for professional audio market. DIGAM K Series offer various power ratings in 3 models ranging from 2 x 2500 watts to 2 x 4000 watts/ch. @ 4 Ω, still maintaining the 1 unit size. DIGAM K Series has become the flagship of Powersoft's technologies, ranking in the "Top Class" amplification of the global audio market.

Output Specifications*

	2 Ω dual	4 Ω dual	8 Ω dual	4 Ω bridge	8 Ω bridge	16 Ω bridge
K10	6000 W	4000 W	2000 W	12000 W	8000 W	4000 W
K 8	4800 W	3000 W	1500 W	9600 W	6000 W	3000 W
K 6	3600 W	2500 W	1300 W	7200 W	5000 W	2600 W

*EIAJ Test 1kHz 1%THD

Features:

- Advanced switch-mode worldwide operating power supply technology for high performance and compact size
- Power Factor Correction (PFC) for extremely low mains consumption and extremely wide mains 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 defeatable clip limiters for each channel
- LCD matrix interactive display
- Digital gain/attenuator control
- User selectable maximum output power for each channel
- User selectable maximum mains current draw
- Comprehensive user friendly front panel display menu
- Fully protected circuit design including Duffonsonic, high frequency, thermal overload and short circuit
- Temperature forecast with LCD traced historical behaviour
- Downloadable log file of functional fault events with time related trace
- Load impedance measurement / display for each channel
- Output power measurements / display for each channel
- Mains voltage and current measurements / display
- Defeatable gate selection for each channel
- Gain/sensitivity user selection capability
- Hardware monitor available for fast dc diagnosis
- 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 1kg (2.2 pounds) for easier racking and shipping
- Built in Remote Control (RS 485 interface) for full diagnostic operational setting and system monitoring
- Smart Card settings, parameters and upgrades functionality
- Lockable set-up by user selectable access key code
- DSP option capability
- Ethernet option capability

Audio Section:

Channels: 2

Bandwidth (1W, 8Ω): 5Hz – 20 KHz ±0.2dB

SNR (20Hz-20kHz Aweighted): >110dB (K10) >109dB (K8) >108dB (K6)

Distortion THD: Max < 0.5% rdm 0.1W to fullpower (typically < 0.05%)

Intermodulation distortion DIM30: Max < 0.5% rdm 0.1W to fullpower (typically < 0.05%)

Intermodulation distortion SMPTE: Max < 0.5% rdm 0.1W to fullpower (typically < 0.05%)

Damping Factor (8Ω): >5000 (20Hz-200Hz)

Crosstalk:

Voltage Gain: 26dB; 29dB; 32dB; 35dB user selectable

Maximum Input Level: +25dB absolute maximum

Slew Rate (8Ω): 50V/μS (input filter bypassed)

Power Section:

AC Line Voltages: 95 - 265V (50/60Hz)

Power Factor cos(φ): More than 0.95 rdm 500W to fullpower

Operating Environment Temperature: 0°C / + 45° C

Consumption Average: 2300 VA (K10) 1900 VA (K8) 1500 VA (K6)

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: High current Neutrik® 4-pole Speakon® connectors (pins 1+ 2+ paralleled, 1- 2- paralleled)

Protections:

DC protection: protects against infrasonic 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: interactive LCD display, smart card, led bar indicator.

Construction:

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

Weight: 12 kg

Accessories:

Networking: Built-in 485 serial connection remote control

Main Applications:

Touring, Installations

