



D12 amplifier

The d&b D12 amplifier is a dual channel amplifier incorporating digital signal processors (DSP) to provide loudspeaker specific configurations and functions. It is designed for use with all d&b loudspeakers, has both digital and analog signal inputs as well as link outputs, remote control and monitoring capabilities and sophisticated protection circuits. It utilizes an autosensing switch mode power supply for mains voltages 115 / 230 V, 50 – 60 Hz (optional 100 / 200 V) and has a temperature and signal controlled fan to cool the internal assemblies. It is specifically designed to produce high power into low impedance loads, typically those between 4 and 16 ohms. A user definable 4-band parametric equalizer, and signal delay capability of up to 340 ms are incorporated and can be applied independently to each channel. A signal generator offering pink noise or sine wave program is also included. The D12 uses its Load monitoring and System check functions to ascertain the status of the loudspeaker impedance. d&b System check verifies that the system performs within a predefined condition, whilst d&b Load monitoring enables an automatic and continuous impedance monitoring. Both can determine the status of an LF or HF driver in systems with multiple elements, even if these are crossed over passively. Apart from selectable output configurations for dual channel, mixed TOP/SUB and 2-Way Active mode, the D12 also provides d&b SenseDrive for use with the LF drivers in d&b active loudspeakers and subwoofers and has output connector options. All these functions and parameters can be easily accessed and controlled via the LCD in conjunction with the digital rotary encoder or through the d&b Remote network.

D12 Data (linear setting with subsonic filter)

Rated output power (THD+N < 0.1%)	2 x 750 W into 8 Ω, both channels are driven 2 x 1200 W into 4 Ω, both channels are driven
S/N ratio (unweighted, RMS)	> 110 dBr

D12 Connectors

INPUT/LINK ANALOG A/B	3 pin XLR female/male
INPUT/LINK DIGITAL AES/EBU	3 pin XLR female/male
Sampling rate	48 kHz / 96 kHz
OUT CHANNEL A/B	Optional EP5/NL4/NL8
REMOTE	2 x RJ 45 parallel
SERVICE	SUB-D9 female

D12 Digital Signal Processing

Sampling rate	96 kHz / 27 Bit ADC / 24 Bit DAC
Basic delay / latency analog input	0.3 ms
D12 Power supply	
Autosensing switch mode power supply for	115/230V, 50 - 60 Hz optional 100/200V, 50 - 60 Hz
Mains connector	PowerCon® ¹

D12 Remote network

Remote network

CAN-Bus

D12 Dimensions, weight

Height x width x depth

3 RU x 19" x 353 mm / 13.9"

Weight

13 kg / 29 lb