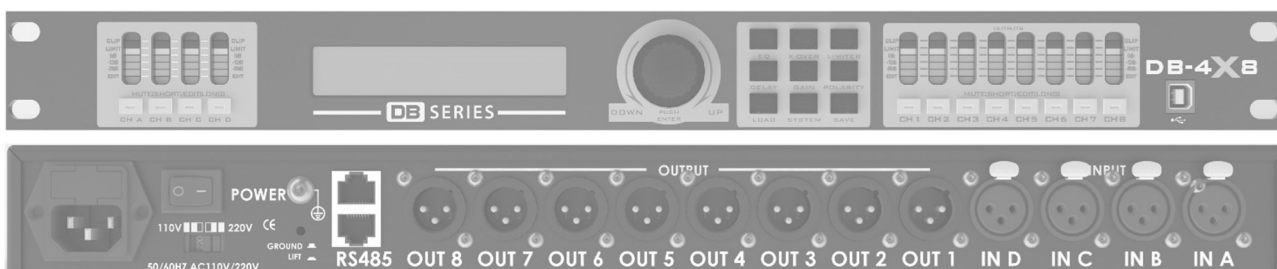


## DB 4X8 Technical Specifications



DB Series audio processors were integrated into the other products because they stand out in superior audio quality, in addition to the ease and integration that the product offers to the user.

- General characteristics Superior audio quality, highlighting the equipment as one of the best processors on the market; High performance converters;
- The audio processors offer an excellent combination of processing power, user-friendly control interfaces, and multiple connectivity;
- Sample Frequency 192Khz, A/D and D/a converter of 24 bits and DSP processor of 32 bits.
- It comes with management software; Connections with the computer by front USB port and by RS485 (RJ45);
- 30 user program memory locations;
- 6 parametric equalizers for each input / output, ranging from -20 to 20dB per band;
- The characteristics of each channel are fully configurable according to the user's needs;
- Gain outputs and adjustable limiters.



### Characteristics

Number of Channels	4 Inputs	8 Outputs
Processor	Sampling Frequency 192Khz, 32-Bit Floating-point DSP	
Converter AD/DA	24-Bit	

### AC Input

Power Supply	Linear Source
AC Input Operating Voltage	110V / 220V – 50/60Hz
Maximum Consumption	25w (0.025Kva)

### Audio

Input Band	± 25dBu
Input Impedance	20 KΩ
Output Impedance	100 Ohms
Frequency Responce	20Hz à 20Khz ± 0.5dB
S/NR	> 110dB
THD	<0,01% @ Saída = 0dBu / 1 KHz

### Front Panel

Indicators	1 x Display LCD 2x24; Input: 4 x Orange Leds channel editing 12 x Greem Leds signal indicator 4 x Yellow Leds limiter indicators 4 x Red Leds clip indicators Output: 8 x Orange Leds channel editing; 24 x Greem Leds signal indicator; 8 x Yellow Leds limiter indicators; 8 x Red Leds clip indicators
Computer Conection Port	1 x Front USB Port
Mute	Input: 4 x mute key and editing for input channel; Output: 8 x Mute key and editing for output channel
Input Gain	-12dB to + 12dB, varying from 0.1dB
Input EQ	4 x 6-band Parametric EQ; Frequency: 20Hz to 20KHz; Gain: -20dB until +20dB; Bandwidth: 0.05Oct until 3Oct
Input/Output Polarity	In Phase (+) / Inverse Phase (-)
Output Gain	Variation: -12dB until +12dB, ranging from 0.1dB

Delay adjustment	Each Input / Output channel has delay adjustment; Variation: 0 to 1000mS; 21uS, step from 0 to 10mS; 84uS; step 10mS to 20mS; 0.5mS, step 20mS up to 1000mS
Crossover (X-Over)	Each output channel has an LPF and HPF filter. Filter types: Linkwitz-Riley, Bessel, Butterworth; Cutoff frequency: 20Hz to 20KHz; Inclination: 12dB / Oct; 18dB / Oct; 24dB / Oct; 48dB / Oct
Limiter	Each output channel has a Limiter setting; Adjustable parameters: Threshold Value; -20dBu to + 20dBu, step 0.5dBu; Attack Time: 0.3ms to 100ms, 0.1ms step from 0.3ms to 100ms and 1ms step from 1ms to 100ms; Release Time: The Release time can be set to 2, 4, 6, 8, 16, 32 times
Output EQ	Each output channel has a 6-band Parametric EQ; EQ has 3 modes; Lo-Self / Hi-Self / Parameters.Lo-Self: Slop-6dB / 12dB; Frequency -20Hz to 20KHz; Gain -20dB until + 20dB; Hi-Self: Slop-6dB / 12dB; Frequency -20Hz to 20KHz; Gain -20dB until + 20dB; Parameters: Frequency -20Hz to 20KHz; Gain -20dB until + 20dB, step 0.1 dB; Bandwidth: 0.05Oct until 3Oct, step 0,05Oct

#### Rear Panel

Input Connectors	4 x XLR Female electronically balanced
Output Connector	8 x XLR Male electronically balanced
Computer Connection Port	2 x RS-485 port with RJ-45 connector
Ac Connector	1 x IEC-320 C13
Control	1 x on / off switch; 1 x Voltage selection switch (127v / 220v); 1 x External or own grounding selection key

#### Construction

Dimensions (H x W x D)	44mm X 482mm X 232mm (1.73" X 19" X 9.13")
Weight (lbs)	4.5 kg (9.93lbs)