

# DX 2006

## 2 INPUT, 6 OUTPUT DIGITAL PROCESSOR

### DESCRIPTION

The DX 2006 is a 2 input - 6 output loudspeaker management device with 40 bit floating point DSP and 96 kHz sampling rate, suitable for the optimization of passive loudspeaker systems. The DX 2006 offers flexible routing, signal processing and equalization and can be used also for multiple ways and multi-amplified systems managing. LCD, controls and LED indicators are available on the frontal panel and it is also possible to set up and control the processor through a PC. Various crossover modes are available and 30 programs/Settings can be stored. The DX 2006 is shipped with a special PC Graphic User Interface (GUI) application - Xlink that gives the user an option to control the digital processor. The GUI application makes it much easier to control and monitor the device, allowing the user to get the whole picture on screen. Programs can be recalled and stored from/to PC hard drive, thus expanding the storage to become virtually limitless.



### FEATURES

- 2 inputs that can be mixed to 6 outputs
- 40-bit floating point DSP
- 96 kHz sampling rate
- 24-bit A/D D/A converters
- 1 Hz frequency resolution (EQ / filters)
- 8 equalizers for each input and output
- Multiple crossover types; limiters
- Level, polarity and delay settings
- Firmware upgrade via PC
- Individual channel buttons (for editing) with linking capability

## TECHNICAL SPECIFICATIONS

<b>Audio performance</b>	Frequency Response (-3dB):	20 Hz ÷ 30 kHz
	Crosstalk (on the whole bandwidth):	<-100 dB
	Distortion (THD+N) @ 1 kHz nominal power:	<0.002 %
	Dynamic range:	>115 dB
	Common Mode Rejection Ratio (50 Hz to 10 kHz):	>60 dB
<b>Digital audio performance</b>	Resolution:	40
	Sampling rate:	96
	A/D - D/A converters:	24
	Propagation delay:	2
<b>Input section</b>	Total number of inputs:	2
	Balanced:	6
	Mono:	6
	Line inputs:	2
	Line connectors:	XLR
<b>Output section</b>	Signal output number:	6
	Signal output connectors:	XLR
<b>Processing</b>	DSP:	Yes
	EQ Filters:	Yes
	Delay:	Yes
	Tone controls:	Yes
	High-pass filter:	20 ÷ 30000 Hz
	Crossover:	20 ÷ 30000 Hz
<b>Controls</b>	Configuration:	Front panel, PC Software
	Number of programs/presets:	30
<b>Protections</b>	Cooling:	Convection
	Fuses:	Yes
<b>Power requirement</b>	Operating voltage:	220-240/115 V~ 50/60Hz
	Power consumption:	20 W
<b>Standard compliance</b>	CE marking:	Yes
<b>Physical specifications</b>	Cabinet/Case Material:	Metal
	Color:	Black
	Rack mounting:	19", 1U



<b>Size</b>	Height:	44 mm / 1.73 inches
	Width:	483 mm / 19.02 inches
	Depth:	229 mm / 9.02 inches
	Weight:	2.62 kg / 5.78 lbs

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<b>Shipping informations</b>	Package Height:	90 mm / 3.54 inches
	Package Width:	610 mm / 24.02 inches
	Package Depth:	370 mm / 14.57 inches
	Package Weight:	4.12 kg / 9.08 lbs

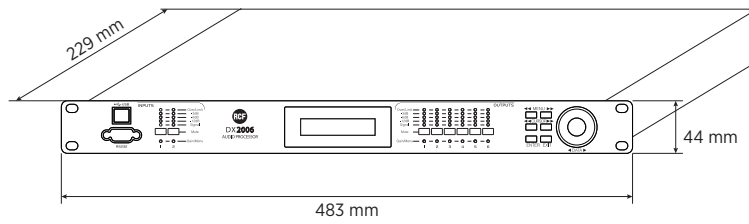
## **PART NUMBER**

- **12135068**

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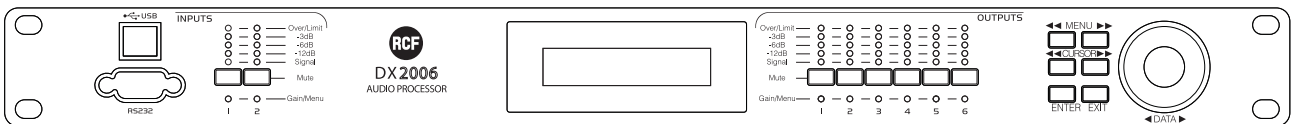
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**DRAWINGS**



**PANELS**

Front panel



Rear panel

