



# DX 1616

## MATRIX AUDIO PROCESSOR



**Description** DX 1616 AES-Dante remote software. This network-based software designed for Microsoft Windows and Mac OSX allows the management of the DX 1616 Matrix Sound Processor. -Pre-Amp configuration, selecting source types like analog, AES/EBU, Dante -Designing Input groups for festival applications -Input source processing with EQ, delay and compressor -Powerful 16x16 router to assign processing tasks to flexible output patches.

- Features**
- › Hybrid architecture DSP
  - › 48 KHz sampling, 40 bit floating point engine
  - › 16 x 16 I/O matrix
  - › Dante enabled network audio transport
  - › 8 AES/EBU inputs - 8 AES/EBU outputs
  - › Ethernet connectivity and control
  - › Maximum latency 3 ms
  - › Easy to use software GUI

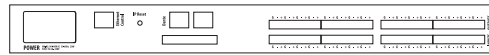
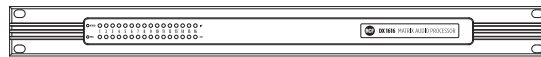
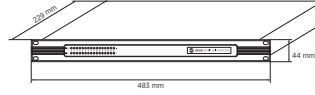
**Part Number** 12399033 DX 1616 90-240 V Black EAN 8024530013752



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Line Art 2D



### TECHNICAL SPECIFICATIONS

<b>Audio performance</b>	Frequency Response (-3dB)	20 Hz ÷ 22 kHz
	Crosstalk (on the whole bandwidth)	<-100 dB
	Distortion (THD+N) @ 1 kHz nominal power	<0.001 %
	Dynamic range	>110 dB
	Common Mode Rejection Ratio (50 Hz to 10 kHz)	>100 dB
<b>Digital audio performance</b>	Resolution	40
	Sampling rate	48
	A/D - D/A converters	24
	Propagation delay	3
<b>Input section</b>	Total number of inputs	17
	Balanced	17
	Mono	16
	Mic+Line inputs	16
	Mic+Line connectors	Euroblock
	Mic+Line Phantom	21 V DC - 44 V DC
	Digital inputs	1
	Digital connectors	RJ45
	Digital type	DANTE
<b>Output section</b>	Signal output number	16
	Signal output connectors	Euroblock
<b>Processing</b>	DSP	Yes
	EQ Filters	Yes
	Delay	Yes
	Tone controls	Yes
	High-pass filter	20 Hz ÷ 20000 Hz
	Crossover	20 ÷ 20000 Hz
<b>Controls</b>	Configuration	PC Software
	Number of programs/presets	70
<b>Protections</b>	Cooling	Convection/Forced
	Fuses	Yes



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<b>Power requirement</b>	Operating voltage	90-240 V - 50/60Hz
	Power consumption	20 W
<b>Standard compliance</b>	Safety agency	CE compliant
<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	3.31 kg / 7.3 lbs