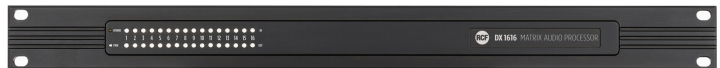


# DX 1616

## 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

## TECHNICAL SPECIFICATIONS

<b>Audio performance</b>	Frequency Response (-3dB):	20 Hz ÷ 22 kHz
	Crosstalk (on the whole bandwitch):	<-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:	AESBU, 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 ÷ 20000 Hz
	Crossover:	20 ÷ 20000 Hz
<b>Controls</b>	Configuration:	Ethernet, PC Software
	Number of programs/presets:	70
	Protocols for system integration:	Open TPC-IP
<b>Protections</b>	Cooling:	Convection/Forced
	Fuses:	Yes
<b>Power requirement</b>	Operating voltage:	90-240 V- 50/60Hz
	Power consumption:	20 W
<b>Standard compliance</b>	CE marking:	Yes

**Physical specifications**

Cabinet/Case Material:	Metal
Color:	Black
Rack mounting:	19", 1U

**Size**

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

**Shipping informations**

Package Height:	378 mm / 14.88 inches
Package Width:	88 mm / 3.46 inches
Package Depth:	597 mm / 23.5 inches
Package Weight:	4.73 kg / 10.43 lbs

**PART NUMBER**

- **12399033**

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