

## OMNITRONIC DXM-1616 Matrix

Digital matrix controller with software

Art. No.: 10356380

GTIN: 4026397253399



### Description:

Now, you're at the controls!

As far as possible you always try to be on the safe side and to be prepared for all contingencies or you put emphasis on a professional device, that does not abandon you and offers much room for maneuver? Then, it is our pleasure to welcome you to the world of our DXM audio matrix controller. With this beauty, you are not only able to mix 16 input signals on 16 outputs. Moreover, you get the possibility to perfectly adapt each signal via crossovers or equalizer, compressor and limiter settings, to the environment and the requirements of the respective output. Ideal for congress or education centers, stadiums, concerts or multipurpose halls, but also for a haunted house on a fair. Let's get to the point: this matrix controller enables a complete audio processing and can do rather everything, except cooking perhaps!

### Logistic

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Weight: 5,30 kg

Length: 0.54 m

Width: 0.34 m

Height: 0.14 m

### Features:

- 16 inputs and 16 outputs with flexible signal routing
- 48 kHz sampling rate
- 24 bit A-D/D-A-converter
- Integrated fully parametric equalizers or bell per input and output
- Slopes up to 48 dB/octave
- Backlit 2 lines x 20 character display
- 16 user programs can be memorized
- Up to 1365 ms signal delay for the inputs and outputs adjustable
- Independent compressor/limiter, equalizer and noise gate per channel with adjustable parameters
- Lock function to protect the program settings
- Phase Invert per output
- Realtime Software Control über RS232, USB oder RS485 (Com)

- Minimum system-requirements: CPU 500 MHz or higher, VGA-card, 128 MB memory, 10 MB of free hard disc space, CD-Rom drive, free COM-port, Windows XP, mouse

## Technical specifications:

Power supply:	100-240 V AC, 50/60 Hz
Power consumption:	30.00 W
Frequency range:	20 - 20000 Hz
Dimensions:	Width: 48.3 cm Depth: 23 cm Height: 8.9 cm
Weight:	4.15 kg
Inputs:	16, active, balanced
Gain range:	-40 dB to +6 dB
Input impedance:	10 kohms
Outputs:	16, active, balanced
Output impedance:	<50 mohms (electronically balanced)
Output gain range:	-40 dB to +6 dB
Maximum output level:	+20 dBu
THD:	0.01 %
Delay:	0~1365 ms
Filters:	
HPF:	10 Hz - 16 kHz
LPF:	35 Hz - 20.2 kHz
Slopes:	6, 12, 18, 24 or 48 dB/octave
Type:	Bessel, Butterworth or Linkwitz-Riley
Equalizers:	
PEQ:	20-20000 Hz
LOSHF:	20 Hz - 1 kHz
HISHF:	1 kHz - 20 kHz
Q-value:	0.4-128
Gain:	±12 dB; 0.1 dB
Compressor:	
Threshold:	-24 to +12 dB; 1 dB
Ratio:	1:128 to 128:128
Boost:	x1, x2, x 4, x8
Limiter:	
Threshold:	-53 to +10 dB; 0.5 dB
Attack:	20 µs to 3 ms/dB
Release:	10 ms/dB to 5 sec/dB
Noise Gate:	
Threshold:	-66 to -24 dB; 1 dB
Attack:	0.1 ms to 100 ms/dB
Release:	10 ms/dB to 5 sec/dB

**Scope of delivery:**

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