

EON™ musicmix 10

EON™ JBL

10-Channel Stereo Mixer

Key Features:

- ▷ XLR Female Microphone Connector
- ▷ 1/4 inch TRS Phone Line Input Connector
- ▷ Channel Level - 60 mm Fader
- ▷ Signal Present LED
- ▷ Peak Overload LED
- ▷ Trim Control
- ▷ Monitor Send Level
- ▷ Effects Send Level
- ▷ Shelving Low Frequency Eq. @ 63 Hz
- ▷ Peaking Mid Frequency Eq. @ 2.5 kHz
- ▷ Shelving High Frequency Eq. @ 12.5 kHz
- ▷ Pan Control

Input Section - 2 Auxiliary Stereo Inputs

- ▷ Left & Right RCA Phono Inputs
- ▷ Left & Right 1/4 inch TS Phone Jacks
- ▷ Monitor Send Level
- ▷ Effects Send Level
- ▷ Shelving Low Frequency Eq. @ 63 Hz
- ▷ Shelving High Frequency Eq. @ 12.5 kHz
- ▷ Left & Right Level - 60 mm Fader
- ▷ Signal Present LED

Output Section Controls/Features

- ▷ Left & Right Main Level - 60 mm Fader
- ▷ L to R Balance Control
- ▷ Monitor Level - 60 mm Fader
- ▷ Effects Return to Main

- ▷ Effects Return to Monitor
- ▷ Headphone Level
- ▷ Power LED
- ▷ 12 Segment Left Output LED Display
- ▷ 12 Segment Right Output LED Display
- ▷ Stereo/Mono Switch
- ▷ Stereo Status LED

Output Section Connectors

- ▷ Left Male XLR Output
- ▷ Right Male XLR Output
- ▷ Subwoofer Male XLR Output
- ▷ Monitor XLR Male Output
- ▷ 1/4 inch TS Phone Effects Output
- ▷ 1/4 inch TS Phone Left Effects Input
- ▷ 1/4 inch TS Phone Right Effects Input
- ▷ Left & Right RCA Phono Tape Outputs
- ▷ 1/4 inch TRS Headphone Jack

Back Panel Power Input Connectors and Controls

- ▷ IEC AC Input Power Input Connector
- ▷ Power Switch
- ▷ Phantom Power Switch (all microphone channels)
- ▷ Phantom Power Status LED

Specifications:

Maximum System Voltage Gain:

Mic Input to Main Output:	74 dB
Line Input to Main Output:	52 dB
CD or Tape Input to Main Output:	42 dB
Effects Returns to Main/Monitor:	42 dB
Mic Input to Tape Output:	46 dB
Line Input to Tape Output:	26 dB

Noise (20 Hz - 20 kHz):

EIN:	-128.5 dB
Operational EIN:	-125 dB
Mix Noise:	-90 dB (Input faders down, Master at nominal)
THD (20 Hz - 20 kHz):	<0.005% (30 dB of System Gain, +8 dBu out)

(continued specifications from page 1)

SMPTE IMD:	<0.005%(30 dB of System Gain, +8 dBu out)
Frequency Response:	+/- 0.5 dB 20 Hz to 20 kHz
Eq. Boost and Cut:	+/- 12 dB
Rated Output Level:	+4 dBu
Output Level:	(Balanced)+22 dBu Maximum (Unbalanced) +22 dBu Maximum
Signal Present Threshold:	-30 dBu
Output Impedance:	(Balanced) 150 ohms (Unbalanced) 150 ohms (Headphones) 51 ohms
Headphone Output:	9 V rms into 600 ohms (140 mW)

Maximum Input Levels:

Mic Input:	+22 dBu
Line Input:	+22 dBu
Auxiliary Inputs:	+22 dBu

Input Impedance:

Mic Input:	3 kohms
Auxiliary Inputs:	20 kohms
Input Protection:	All Inputs
Phantom Power:	+14 Volts

Line Input Power:

U.S.:	120 V, 60 Hz
Europe:	230 V, 50 Hz
Japan:	100 V, 50 Hz

Physical Packaging:

Package Size:

Overall Package Height:	6.6 inches
Overall Package Width:	17.3 inches
Overall Package Depth:	15.5 inches
Weight:	14 lbs

Package Features and Physical Properties:

1. Integral Handle
2. Cable Management System

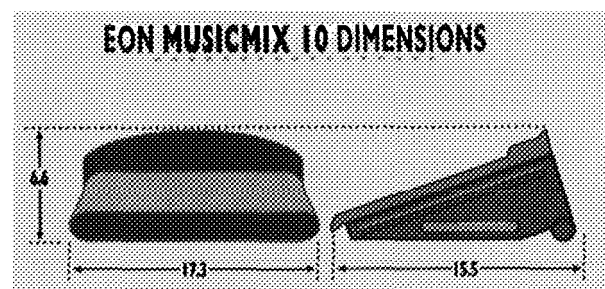
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Product Description:

The EON MusicMix Stereo Mixer is a 10 channel mixer consisting of 6 microphone inputs and 2 stereo line inputs for a total of 10 channels. Each microphone input channel has signal present and peak LED indicators, a trim control which will allow the microphone input to handle line levels, low, mid and high frequency equalization that is non interactive for superior sonic characteristics, an effects send, and a pre-fader monitor channel. The two stereo line input channels have both RCA and 1/4 inch phone jacks to interface with all types of signal processing and playback equipment. The line inputs also have low and high frequency equalization, effects and monitor sends. A stereo effects return can be independently sent to either the left and right outputs or monitor output via separate controls.

Left, Right, Subwoofer, and Monitor outputs have balanced XLR connectors to provide easy hassle free hook up to the powered speakers, subwoofers and monitor speakers. The effects output is unbalanced and uses a 1/4 inch phone jack to best interface with the typical low cost effects units on the market. Two RCA Phono jacks provide for stereo recording of program material fed to the stereo outputs. A stereo headphone jack and level control is included for convenient monitoring by the operator, or can be used for an additional stereo output send. Two 12 segment peak-hold LED displays are used for output level monitoring.

The enclosure for the mixer will be made of the same type of material used for the speaker enclosures. Front panel nomenclature will be a 4 color back screened polycarbonate overlay on top of a metal panel. Complete screening for RFI is provided for in the chassis / enclosure design in spite of the fact that the enclosure is plastic.



** Dimensions in inches

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