

Behringer MDX-4600V2 Specs

Function	Expander, gate, compressor, peak limiter and de-esser
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Number of Channels	Four
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Audio Input

Type	4 x XLR 4 x 1/4" TRS phone, servo-balanced
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Impedance	+4 dBu: 50 kOhms balanced, 50 kOhms unbalanced @ 1 kHz -10 dBV: 50 kOhms balanced, 100 kOhms unbalanced @ 1 kHz
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Operating Level	+4 dBu/ -10 dBV, switchable
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Maximum Input Level	+22 dBu, balanced and unbalanced
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CMMR	Typically 60 dB @ 1 kHz
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Audio Output

Type	4 x XLR 4 x 1/4" TRS phone, servo-balanced
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Impedance	100 Ohms balanced, 50 Ohms unbalanced @ 1 kHz
Maximum Output Level	+21 dBu, balanced and unbalanced

System Specifications

Frequency Range	10 Hz to 70 kHz, +0/-3 dB
Signal to Noise Ratio	115 dB, unweighted
Total Harmonic Distortion (THD)	0.02% typ. @ +4 dBu, 1 kHz, unity gain
Crosstalk	-90 dB @ 1 kHz

Expander/Gate

Type	IRC (Interactive Ratio Control) expander
Threshold	Off to +10 dB, variable
Ratio	1:1 to 1:8, variable
Attack Time	< 1 ms / 50 dB, program-dependent
Release Time	Slow: 100 ms / 1 dB Fast: 100 ms / 100 dB, variable

Compressor

Type	IKA (Interactive Knee Adaptation) compressor
Threshold	-40 to +20 dB, variable
Ratio	1:1 to ∞ :1, variable
Auto	Characteristic: Wave adaptive compressor
Auto Attack Time	Typically 15 ms for 10 dB, 5 ms for 20 dB, and 3 ms for 30 dB
Release Time	Typically 125 dB/sec, program-dependent
Output	-20 to +20 dB, variable

Peak Limiter Section

Type	IGC (Interactive Gain Control) peak limiter
Level	0 dB to Off (+21 dBu), variable
Level 1 Limiter Type	Clipper
Attack	Zero
Release	Zero
Level 2 Limiter Type	Program limiter
Attack	Typically < 5 ms, program-dependent

Release	Typically 20 dB/sec, program-dependent
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Dynamic Enhancer Section

Type	IDE (Interactive Dynamic Enhancer)
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Filter	Frequency: 2.5 kHz (lower cut-off frequency)
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Characteristics	High-pass filter (6 dB / octave)
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Booster	Max 28 dB @ 7.5 kHz
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Power Supply

Switch Mode	Auto range, 100 to 240 VAC, 50/60 Hz
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Power Consumption	18 W
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Mains Power	Standard IEC receptacle
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Dimensions (H x W x D)	1.7 x 19.0 x 5.9" / 4.3 x 48.3 x 15.0 cm
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Weight	4.0 lb / 1.8 kg
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Packaging Info

Package Weight

5.05 lb

Box Dimensions (LxWxH)

27.6 x 21.5 x 21.4"
