

Compressors/Limiters

MULTICOM PRO-XL

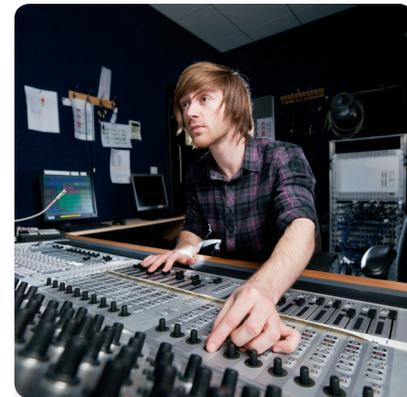
MDX4600

Reference-Class 4-Channel Expander/Gate/Compressor/Peak Limiter with Dynamic Enhancer and Low Contour Filter



- Switchable IKA (Interactive Knee Adaptation) program-adaptive compression circuitry combines the advantages of hard-knee and soft-knee characteristics
- IRC (Interactive Ratio Control) expander/gate circuitry for virtually inaudible noise suppression
- Switchable dynamic Enhancer for brilliant, lively audio even with heavy compression
- IGC (Interactive Gain Control) peak limiting circuitry combines clipper and program limiter for reliable and inaudible protection against signal peaks
- Switchable Low contour filter prevents "pumping" due to low-frequency dominated compression
- Stereo couple function selectable for channels $\frac{1}{2}$ and $\frac{3}{4}$
- Separate 8-segment LED meters for input/output levels and gain reduction
- Selectable operating level (+4 dBu/-10 dBV)
- Servo-balanced inputs and outputs with $\frac{1}{4}$ " TRS and gold-plated XLR connectors
- High-quality components and exceptionally rugged construction ensure long life
- 3-Year Warranty Program*
- Conceived and designed by BEHRINGER Germany

The reference-class MDX4600 is a marvelous 4-channel Expander/Gate/Compressor/Peak Limiter that is ideal for: compressing mono/stereo signals and providing virtually inaudible noise suppression, without loss of high frequencies; increasing vocal presence and energy; and limiting, or smoothing out extremely-high signal peaks. Additionally, the MDX4600 features an integrated Dynamic Enhancer, De-Esser, and Low-Contour filter to provide the ultimate in signal enrichment. Put simply, the MDX4600 can do amazing things for your vocals or instruments – providing virtually everything you need for studio-quality dynamics processing!



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Audio Dynamics Toolkit

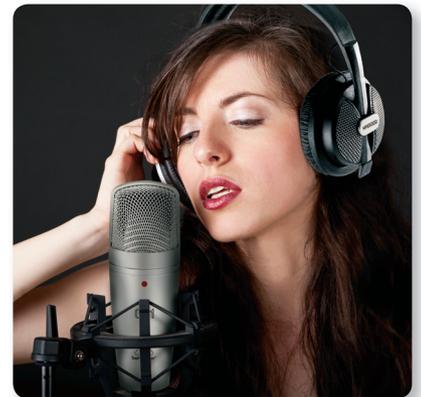
Here are just a few of the MDX4600's outstanding capabilities:



- **Switchable IKA** (Interactive Knee Adaptation) – provides program-adaptive compression, combining all the advantages of both hard and soft-knee compression
- **Enhancer** – lets you emphasize the Bass, Midrange and Hi output at selectable frequencies for maximum punch, clarity and detail – without raising overall volume
- **IGC** (Interactive Gain Control) – combines clipper and program limiter for reliable, inaudible protection against signal peaks
- **De-Esser** – “must-have” tool with switchable male/female voice recognition for reducing sibilance, while preserving natural voice timbre – often used to enhance upper-mid, to high-frequency smoothness in vocals, drum overheads, strings, etc.
- **Side Chain** – allows insertion of graphic/parametric EQ to reduce specific frequencies – also often used to “tighten up” tracks using an internal or external signal to trigger compression, or gating of signal being processed (ex. using bass guitar signal to un-gate kick drum)
- **Stereo Couple** – links $\frac{1}{2}$ and $\frac{3}{4}$ channels, allowing dials and switches of Channels 1 and 3 to provide dynamics control over Channels 2 and 4, respectively (true stereo processing)

Options Abound

The MDX4600 features amazingly-accurate, 8-segment LED meters for In/Out Level and Gain Reduction, switchable +4 dBu or -10 dBV operating level, Side Chain I/O, and servo-balanced XLR and $\frac{1}{4}$ " Inputs and Outputs. Best of all, the MULTICOM PRO-XL MDX4600 takes up just a single rackspace.



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Sound Value

The incredible MDX4600 is the ideal solution for becoming the master of your dynamics. With its flexible routing options, all the I/O you could ask for, plus a host of other professional features – the MDX4600 is an exceptional tool for your live shows – and an absolute “must-have” for your studio! Check out the MULTICOM PRO-XL MDX4600 at your [BEHRINGER](#) dealer, or place your order online today.

You Are Covered

We always strive to provide the best possible Customer Experience. Our products are made in our own [MUSIC Group](#) factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous [3-Year Warranty program](#).



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