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M76 STUDIO COMPRESSOR



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# M76 STUDIO COMPRESSOR

## DESCRIPTION

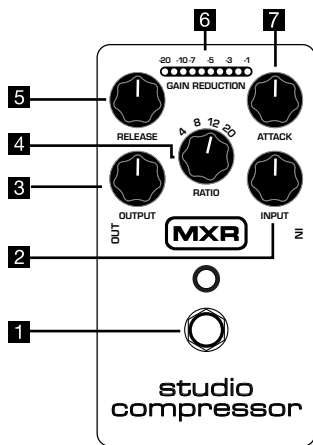
- Classic studio compressor in a Phase 90-sized pedal
- CHT™ Constant Headroom Technology for clear, clean performance
- Ten Gain Reduction status LEDs
- True bypass

## CONTROLS

- 1** FOOTSWITCH toggles effect on/bypass (blue LED indicates on)
- 2** INPUT knob controls gain level of input signal
- 3** OUTPUT knob controls overall effect volume
- 4** RATIO sets the degree of compression, from mild to extreme
- 5** RELEASE knob controls how quickly your signal returns to its uncompressed level
- 6** GAIN REDUCTION meter shows gain reduction level and compressor response time
- 7** ATTACK knob controls reaction time of compression

## POWER

The MXR Studio Compressor is powered by one 9-volt battery (remove bottom plate to install), a 9-volt AC adapter such as the Dunlop ECB003/ECB003EU, or the DC Brick™ and Iso-Brick™ power supplies.



## DIRECTIONS

- Run a cable from your instrument to the M76's INPUT jack and run another cable from the M76's OUTPUT jack to your amplifier.
- Set RELEASE, ATTACK, OUTPUT, and INPUT controls to 12 o'clock and the RATIO control to 4.
- Turn the effect on by depressing the footswitch.
- Rotate INPUT knob clockwise to increase input gain reduction—indicated by number of illuminated GAIN REDUCTION meter LEDs—or counterclockwise to decrease it.
- Rotate OUTPUT knob clockwise to increase overall volume or counterclockwise to decrease it.
- Rotate ATTACK knob clockwise to quicken reaction time of compressor—indicated by right-to-left speed of GAIN REDUCTION meter—or counterclockwise to slow it down.
- Rotate RELEASE knob clockwise to quicken compression release—indicated by left-to-right speed of GAIN REDUCTION meter—or counterclockwise to slow it down.

## SAMPLE SETTINGS

Adjust OUTPUT control as needed. Set INPUT control to achieve gain reduction level noted below each setting.



Gain reduction: -6 to -7db



Gain reduction: -1 to -3db



Gain reduction: -10db



Gain reduction: -14 to -20db

- Use the RATIO knob to select compression ratio. The 4 setting selects a 4:1 ratio, meaning that if the input level rises 4 decibels above threshold, the output level will only rise by 1 decibel. Therefore, gain has been reduced by 3 decibels. The 8 setting selects an 8:1 compression ratio, 12 selects 12:1, and 20 selects 20:1.

## GAIN REDUCTION METER

Short string taps are an easy way to see the meter display compressor reaction time and can be helpful in setting ATTACK and RELEASE controls.

## SPECIFICATIONS

Input Impedance	1 MΩ
Output Impedance	600 Ω
Max Input Level	+14 dBV
Max Output Level	+8.5 dBV
Frequency Response	±1 dB, 20 Hz to 20 kHz
Noise Floor*	-90 dBV
THD**	< 0.5%
Gain	31 dB
Compression Ratio	4:1, 8:1, 12:1, 20:1
Attack Time	20 μs to 800 μs
Release Time	50 ms to 1.1 s
Bypass	True Hardware
Current Draw	
LEDs OFF	14 mA
LEDs ON	19 mA
Power Supply	9 volts DC

\*A-Weighted, all controls at mid position  
 \*\*20 dB gain reduction, 1.1s release setting, 50 Hz to 20 kHz



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