

SPECIFICATIONS

Input Impedance	>1.5M Ω
Output Impedance	<600 Ω
Balanced Out	<600 Ω with ground lift switch
Bypass Frequency Response	20Hz to 20KHz +0dB / - .5dB
Bypass Signal to Noise	>102dBV 'A' weighted (Vref 1V RMS)
Clean Channel Signal to Noise	
All Controls @ Mid Position	>98dB 'A' weighted (Vref 1V RMS)
Distortion Channel Signal to Noise	
All Controls @ Mid Position	
Gate Out	>94dB 'A' weighted (Vref 1V RMS)
Gate Closed	>98dB 'A' weighted (Vref 1V RMS)
Gate Frequency Response:	Distortion Channel Signal Chain Only
Out	20Hz to 20KHz +/- 1dB
Open	20Hz to 20KHz +/- 1dB
Closed	500Hz Shelf, 6dB/Octave
Gate Trigger	28dB Range
Threshold Gain and Trigger Controls	
@ Mid Position	-66dBV (Vref 1V RMS) @1KHz Input
Bass Control	+/- 18dB, Shelf @ 60Hz, 6dB/Octave
Midrange Control.....	+/- 10dB @ 850Hz
Treble Control	+/- 12dB, Shelf @ 4KHz, 6dB/Octave
Volume Controls	40dB Range
Max Gain	+10dB @ 500Hz
Housing Dimensions	D 3.6" x W 4.9" x H 1.5"
Housing Material	Zinc
Current Draw	<9mA

Power requirement: 9VDC adapter with 5.5 mm x 2.1mm positive barrel & negative center or standard 9-Volt battery or Phantom Power via XLR output.

All specifications are subject to change without prior notice.



LIVE TO PLAY LIVE®

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M80 bass d.i.+

Congratulations on the purchase of your new **M80 MXR Bass D.I.+** stomp box! While other effects have come and gone, MXR's keep getting the job done ... with bulletproof construction, quiet, reliable switching and tasteful, musically inspired tone shaping.

DESCRIPTION

- An incredibly flexible Bass D.I. + Clean and Distortion effects.
- Run direct to the PA or straight to the mixing board for pure tone.
- A smart "noise gate" and optimized EQ help you find the sweet spot in the mix!

POWER

The MXR M80 Bass D.I. + requires a single 9 volt alkaline battery, Phantom Power from mixing board (through microphone cable) or Dunlop ECB03 Adapter (ECB03E for Europe), a 9-volt DC regulated AC adapter. Plug polarity is positive on the barrel and negative in the center.



CONTROLS

- A Left Footswitch** toggles Effects on/bypass (red LED=on).
- B Right Footswitch** toggles Distortion channel in/out (red LED at top of unit indicates Distortion channel active).
- C Bass-Mid-Treble EQ Knobs** are active when Effect is on.
- D Clean Volume** and **Color** controls are active only in Clean Channel mode (Effect Footswitch on and Distortion off).
- E The Color Switch** activates a preset EQ optimized for bass (switch depressed down).
- F The Distortion Channel Mode** (Effect and Distortion Footswitches on) provides controls for **Gain** to set distortion level, **Blend** to mix distorted/ clean signal, and **Volume**.
- G The Gate Switch** and **Trigger Knob** work interactively to provide an adjustable noise gate. With Gate active (switch depressed down), the Trigger Knob sets the noise floor threshold, or sensitivity, to cut hum and hiss from the distortion signal.

DIRECTIONS

To set up the Bass D.I., plug your instrument into the Input jack and your amplifier into the Output jack. To use the Bass D.I. function, plug a balanced line (microphone cable) into the Direct Output jack, and connect the other end to your mixing board or PA input. (A Parallel Output is also provided to connect a tuner.) With the **Effect Footswitch** set to Off (red LED not lit), only the Bass D.I. function is active, as the box is in Bypass mode.

The **Phantom Power Switch** allows use of a phantom power input from the microphone line, if your mixing board is so equipped. Pressing the switch down activates Phantom Power, while releasing the switch up activates the Ground Lift function, to remove noisy ground loops from the circuit. This switch is active in all modes.

The Bass D.I.+ gives you two channels of tone enhancement: the **Clean Channel** for simple EQ adjustments, and the **Distortion Channel** for crunchy and tasty grunge. To activate the Clean Channel, switch the **Effect Footswitch** on (red LED on), while making sure the Distortion LED at the top of the box is still off. In this mode, the **Bass-Mid-Treble** tone controls are active, along with the **Clean Volume** and **Color** controls in the upper left. To adjust the Clean Volume, set a reference point by matching the Effect On volume with the Effect Off volume. Toggle the Effect Footswitch on and off, while adjusting the Clean Volume knob until the levels match. You can then adjust louder and softer as needed. Set the **Bass-Mid-Treble** controls to their straight up positions to start, then adjust as needed. The **Color Switch** has two positions, on (depressed down) and off (released up). When turned on, the Color Switch activates a preset EQ curve that immediately puts your bass tone in the “sweet spot” of the mix.

To activate the **Distortion Channel**, leave the **Effect Footswitch** on and switch the **Distortion Footswitch** so that the Distortion LED is lit at the top of the box. In the Distortion Channel, the **Bass-Mid-Treble** controls remain active, but the **Color Switch** defaults to “on” regardless of switch position. You now have control of the Distortion Channel functions, including **Volume**, **Blend**, **Trigger**, **Gain** and the **Gate** switch. Set all the knobs to their straight up positions to start. Use Gain to set the amount of distortion, Blend to set the mix between the clean signal and the distortion effect, and Volume for overall output.

The other two controls, **Trigger** and **Gate**, work interactively to give you an adjustable noise gate with SmartGate™ technology. It can kill hum and hiss from the distortion signal, while sustaining desired signals without premature, audible cutoff. The Trigger knob is only active when the Gate switch is on (depressed down). The yellow LED will flicker on and off as the Gate function reacts to the notes being played. Use the Trigger knob to set the noise floor threshold (or sensitivity), balancing between maximum sustain and minimum noise.