



LIVE TO PLAY LIVE®



M135 SMART GATE



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92503001862 revC

M135 SMART GATE

DESCRIPTION

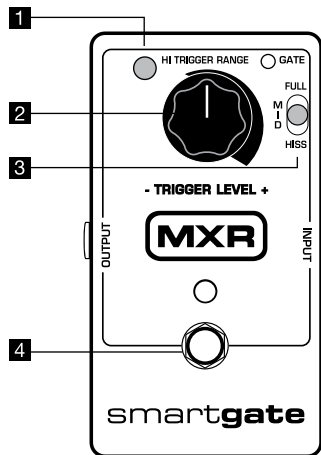
- Three selectable noise reduction ranges
- Reacts gradually to long, sustained notes and quickly to short, syncopated notes
- Fast attack time preserves picking transients and harmonic overtones

CONTROLS

- 1** HI TRIGGER RANGE switch extends trigger range for extremely noisy situations
- 2** TRIGGER LEVEL knob controls sensitivity of gate threshold (indicated by yellow GATE LED)
- 3** NOISE BAND CUT switch selects noise reduction range (Hiss, Mid, or Full)
- 4** FOOTSWITCH toggles effect on/bypass (red LED indicates on)

POWER

The MXR Smart Gate is powered by one 9-volt battery (remove bottom plate to install), a 9-volt AC adapter such as the Dunlop ECB003/ECB003E, or a DC Brick™ power supply.



DIRECTIONS

- Run a cable from your guitar to the Smart Gate's INPUT jack and run another cable from the Smart Gate's OUTPUT jack to your amplifier.
- Set the TRIGGER LEVEL knob to fully counterclockwise and use the NOISE BAND CUT switch to select the noise frequency range you want to suppress—Hiss for highs, Mid for mids, and Full for lows.
- Turn the effect on by depressing the footswitch and play a note or chord and let it ring out.
- Rotate the TRIGGER LEVEL knob clockwise until unwanted noise has completely died out. The yellow GATE LED will light up when the gate has engaged.
- If you find yourself in an extremely noisy playing situation, push the HI TRIGGER RANGE switch to extend the range of the TRIGGER LEVEL knob.

Which NOISE BAND CUT setting should I use?

Each of the Smart Gate's noise reduction settings is optimized for specific input sources. In general, the Hiss setting works well with instruments and input sources that boost the high frequency range, such as vocal mics, wind instruments, keyboards, and electric bass. The Hiss setting and the Mid setting are both effective on instruments with high gain midrange boosting, such as distorted electric guitars and amplified harmonicas. The Full setting is most effective when used to quiet input sources with low-end hum and buzz problems, such as AC line noise, display noise, or light dimmer noise. To quiet a rack of noisy effects, place the Smart Gate last in the signal chain, just before the amplifier.

SPECIFICATIONS

Input Impedance	1 MΩ
Output Impedance	1 kΩ
Maximum Input Level	+7dBV
Maximum Output Level	+7dBV
Noise Floor*	
Gate Closed	-105 dBV
Gate Open	
HISS	-100 dBV
MID	-100 dBV
FULL	-96 dBV
Frequency Response	
Gate Open	+0/-1 dB, 20 Hz to 20 kHz
Gate Closed	
HISS	-3 dB at 1 kHz
	-22 dB at 20 kHz
MID	-3 dB at 500 Hz
	-23 dB at 20 kHz
FULL	-36 dB at 60 Hz
	-22 dB at 500 Hz
	-23 dB at 20 kHz
Bypass	Hardwire
Current Draw	15 mA
Power Supply	9 volts DC

*A-weighted



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