

Quick Start Guide

Thank you for purchasing this **PYLON ATB (Advanced Transformer Boost) Noise Gate**. We hope you get many years of pleasure and use from this device and if this is your first product from our brand, welcome!

This simple connecting guide should help start you on your journey to sonic creativity. However, if you wish to know all of the pedal's hidden secrets, you can find the full manual online on the product page at:

kma-machines.com

Some quick usage examples:

PYLON is capable of many different wirings to suit different setups, including the classic 4-Cable method to help to tame unwanted extraneous noise from your amp's own drive sounds. In this example, connect PYLON's SEND to your amp's input, then connect the amp's FX Loop Send to PYLON's RETURN and lastly PYLON's OUTPUT to the amp's FX Loop Return. This way, the (clean) input signal from your guitar/bass/synth etc. will trigger the gate to kill the amp's hiss and buzz and will help to keep your initial attack intact.

While the integrated Transformer Assisted Bypass adds body and heft to your tone, when boosted further it might overload your preamps. So, to help tame superfluous low-end (especially for chugging and soloing) we added a fixed built-in roll off that works below 65 Hz when the internal BOOST section is activated. We actually think it's the perfect "always on boost" for most guitar styles and one you'll never want to turn off!

Sometimes you may want to rely on your amp's distortion, but also use the clean channel of your amp and only want the Gate on the drive. That sounds like it could be a bit of a tap dance to switch over channels, turning your gate on/off and maybe turn on a boost too. Well, PYLON will give you all of that in one go! Connect the CHANNEL input to your amp's channel footswitch input, set the polarity slide switch to suit and... boom! Engage PYLON's Gate and it will simultaneously switch the amp's channel.

PYLON Main Specifications

- ATB (Advanced Transformer Boost) Noise Gate Pedal
- Easy-to-use, yet high-performance Blackmer® VCA-based Noise Gate
- Integrated Audio Transformer, adds 'heft' to signal
- Switchable Boost/Attenuation circuit, with up to 30 dB of gain on tap
- Variable frequency CUT control, tightens up the low end/removes mud
- EXT Trigger Input, allows Gate or Bypass control from external sources
- Channel Relay Output, switch an amp gain channel in sync with the pedal
- FX-Loop, for signal-chain flexibility and 4-cable method connectivity
- Internal Ground Lift Control
- Relay-based soft-switching, with selectable Gate/Boost switching modes

Power requirements:

9 V DC, centre -, 2.1 mm, >140 mA max. current draw



Made in Berlin, Germany since 2013

Please follow us on social: [@kmamachines](https://twitter.com/kmamachines)

E-mail: hello@kma-machines.com | Website: www.kma-machines.com

© 2022 KMA Audio Machines UG & Co.KG

PYLON QSG V1.01



PYLON
ATB NOISE GATE

Quick Start Guide

MAIN OUTPUT
Connect your amplifier/ next series of pedal(s) or other audio devices here

MAIN INPUT
Connect your instrument or other audio devices here (Guitar/Bass/Synths etc.)

GATE SECTION

THRESHOLD

Sets the signal trigger point at which the GATE starts operating and starts to let signal through

Note: this should be adjusted by listening for noise while not playing – turn the knob clockwise until noise becomes inaudible. You also may need to readjust the THRESHOLD to accommodate additional noise your instrument and/or other fx etc. may produce. However, setting the knob too close to the actual trigger point may not allow your tone to decay naturally, so best to back it off a little if this occurs

RANGE TOGGLE SWITCH

Sets the detection-range for the trigger-circuit

Note: this gives the possibility for finer adjustment or for extremely noisy setups, a bigger range and/or “gate-only” wiring

CHANNEL

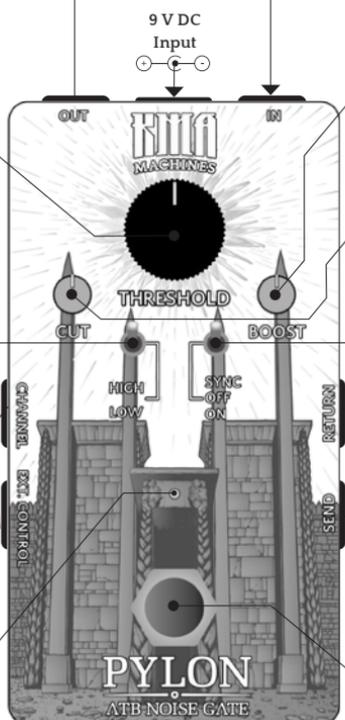
Relay-based switching output for externally controllable devices

Note: useful for channel switching on amplifiers at the same time when the pedal is activated or for triggering other connected pedal functions etc. Switch Polarity is selectable through the switch above the socket

EXT CONTROL

Input for an External trigger source (TR) or Bypass (BP)

Note: Mode is selectable by the switch above the socket. TR is useful to trigger the gate from an external audio source (such as a bass drum etc. for very precise sync/creative control). BP requires momentary switch for Bypass



BOOST SECTION

BOOST

Level control with up to 30 dB Gain- can also attenuate the signal.

Due to the ultra-high headroom design, boosts gain without ever clipping internally

CUT

Changes the centre frequency of the 6 dB/Oct LF Cut (65 Hz to 730 Hz)

This helps to tighten up the sound further and changes the boost into a presence boost

BOOST TOGGLE SWITCH

- SYNC: Boost turns on as soon as you turn on the Gate
- OFF: Boost is always off, regardless of Main Bypass
- ON: Boost is always on, regardless of the Main Bypass

Note: Both CUT & BOOST potentiometers light up when the Boost Circuit is activated

RETURN

Connect the returning signal from any/all external noisy devices (that you want the Gate to operate on) here

Note: the Gate is triggered by the raw signal connected to the main input

SEND

Transformer isolated signal (pre Main Output after the Boost section) is routed here to be connected into anything that needs to be gated (such as amplifier drive via a serial FX loop or insert etc.) i.e. 4 cable method etc.

Note: This socket automatically detects when a jack is inserted and will bypass the internal routing of the signal

MAIN LED
White when the pedal is Activated / changes colour to Blue when the Gate is closed

FOOTSWITCH
Activates and/or Bypasses the device- depending on Toggle Switch Mode