

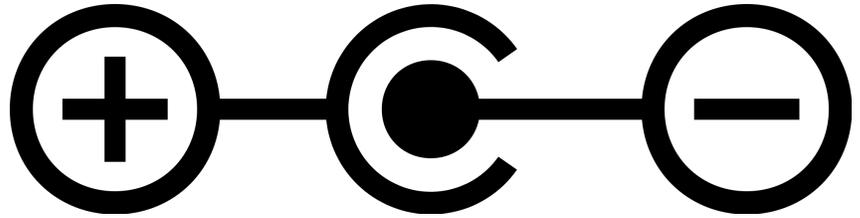
The Kàrmàn Line

[joystick delay and oscillation device]

Power Type

Never guess when powering a pedal. Although most pedals use similar power, there are exceptions. There are a lot of power supplies on the market, so **IF IN DOUBT, ASK!!** Your pedal can be damaged by even a few seconds of exposure to the wrong type of power.

9V DC
Negative Center
2.1mm Barrel



Specs

Dimensions: 5.7" x 4.7" x 1.5"

Current Draw: 37 mA

Controls

Mix: Controls volume of repeats of the delay in normal operating mode. Overridden in "Launch" mode.

Rpt: Controls the number of repeats in normal operating mode. Overridden in "Launch and "Swell" mode

O.Mix: Controls the volume of the oscillation in "Launch" mode. Not active unless right footswitch is on.

Depth: Controls how deep and present the modulation is.

Joystick (Up/Down): Controls delay time, oscillation pitch, and warping.

Joystick (Left/Right): Controls modulation rate/speed (SMALL RED LED SHOWS SPEED)

Footswitches/LEDs

Left Footswitch: Master on/off switch. Yellow LED

Middle Footswitch: "Swell" Switch - Ramping Volume Swells. No LED

Right Footswitch: "Launch" Switch - Oscillation locked in for below-the-mix drone. O.Mix active

Usage Tips

The Kármán Line shines in creating a thick textured wall-of-sound and experimental, glitchy tones. The delay trail is extremely dark and gritty. The modulation is designed to emulate the de-tuning effect of slowing down a record player and then letting go. Some of the modulation presence is lost when the pedal is oscillating.

Experiment with pedal placement. Sometimes the best placement of The Kármán Line is actually early in the chain before delay, overdrive, and fuzz boxes. As you can shape the sound of the oscillation and use it as an instrument.

Use the "Swell" switch as a way to incorporate short, loud volume swells during a song. It is designed to reach max volume in approximately 4 beats to cater towards most modern time signatures. Use the "Launch" switch for below the mix droning sounds. "O.Mix" acts to limit the volume of the oscillation so you can play over top of it.

Make sure you read the "BEFORE YOU PLUG IN" guide and make sure you are using "Guitar Mode" to protect your guitar speakers. (SEE BELOW)

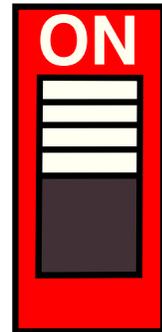
Before You Plug In

Please be aware that The Kármán Line and similar oscillation devices are capable of producing low frequencies when oscillating. Low frequencies are always a concern when using guitar speakers. When following the correct precautions, you can use The Kármán Line with minimal risk.

1. Most importantly, make sure the internal dipswitch is in the "guitar" position. Most of the damaging low frequencies happen with delay times over 500ms. The "guitar" mode limits the delay time to 450ms. Only use the "bass" mode when you have a speaker that can handle the low frequencies.
2. Avoid dramatic shifts with the joystick. The lowest frequencies will be produced when you abruptly go from "joystick down" to "joystick up."
3. Avoid using amps with speakers that are weak, old, in need of repair, or have a very low wattage handling.

After all the warnings and disclaimers, know that The Kármán Line is a very safe pedal when used correctly. I confidently use it on all of my amps without hesitation. If you follow the above precautions you will not have any trouble.

Guitar



Bass
Only