

CORIOLIS EFFECT MANUAL



EFFECT OVERVIEW

The Coriolis™ Effect is a phenomenon in classical mechanics where a trajectory becomes altered due to a rotating frame of reference. The Catalinbread® Coriolis™ Effect has three main parameters to change the equations of motion for your guitar signal. Turning down the Velocity and Acceleration controls will drag your playing into the heart of a black hole, redshifting your tone into a lower pitch and filtering out the high frequencies. The Hold button will instantly pull you into the black hole stopping time completely. Plug in and explore where humanity has never shredded before! In short: Think of the Coriolis™ Effect as a sustainer, wah, filter, pitch shifter, and harmonizer rolled into one—the sonic possibilities are endless!

FEATURES

EXP JACK
Connect an expression pedal with a 1/4" TRS cable

OUTPUT JACK
1/4" mono cable to amp

INPUT JACK
1/4" mono cable from instrument

9V JACK
9-volt DC, center-negative, at least 100mA.

POSITION
This parameter controls the dry/wet mix with a full wet on clockwise and full dry on counterclockwise.

HOLD
Pressing this button stops any new sampling and loops the current sample. Initialize during a chord to sustain the chord for upwards of two minutes. Initialize while playing melody lines for a fast-delay/stutter sound.

VELOCITY
This parameter adjusts the pitch of the wet signal.
Clockwise: no pitch shifting
12 o'clock: near an octave down.
Counter-clockwise: Lowers the frequencies all the way to zero Hertz.

ACCELERATION
This parameter is a 2-pole low pass filter.
Clockwise: No filtering (all pass)
Counter-clockwise: Filtered down to nothing (no pass)

EXP TOGGLE
Control the Velocity or Acceleration parameters with your expression pedal.

BYPASS
Turns the effect off and on.

*Once the Hold setting is activated you can play over the effect by mixing in your guitar's dry signal with the Position knob. The held tone can then be manipulated by the acceleration and velocity controls, however your guitar's dry signal will not be affected by these parameters.



ROUTING



UNDER THE HOOD

There are three controls for the Coriolis™ Effect that can only be accessed by removing the backplate of the pedal. Inside the enclosure you will find two switches for **Bypass Switching** and **Expression Pedal Polarity**, as well as a trimmer pot for setting the Gain Level.

Expression Pedal Polarity: At the top right corner of the pedal you will find the Expression Pedal Polarity Switch. By default this pedal will be set to the **"Normal"** setting, which means it will be compatible with the majority of expression pedals that use standard wiring. We also included the **"Reverse"** setting for those who like to keep their expression pedals set to reverse polarity. For instance, the Catalinbread® Belle Epoch® Deluxe requires an expression pedal with a reverse polarity setting. We added this switch to make life easier for those who may choose to swap their expression pedals back and forth between the Coriolis™ Effect and the Belle Epoch® Deluxe, without having to make adjustments to their expression pedal.

Bypass Switching: In the bottom left-hand corner of the board you will find a slider switch for setting the type of bypass switching. You can select either True Bypass (labeled **"TB"**), or Buffered Bypass (labeled **"BUFF"**).

By default, the Coriolis™ Effect will be set to the True Bypass setting. In this setting, the pedal will be completely bypassed when the effect is turned off. We included the buffer setting for those who prefer that style of bypass switching, however, as with all of our other buffered bypass pedals, when using the buffer setting the Position knob will set the volume of the buffer. In this setting, you must be mindful of the Position knob, as well as the Hold footswitch. In Buffered Bypass mode, as you turn the Position knob counterclockwise you will increase the volume of the buffer. If the Hold footswitch is activated, the sounds coming from the Coriolis™ Effect will continue to be audible until the Hold parameter is deactivated (similar to the "trails" feature on other Catalinbread® effects).

POWER SUPPLY REQUIREMENTS

The Coriolis™ Effect requires a basic guitar pedal power supply that has 9V DC output, a 2.1mm barrel jack, center-negative polarity and can supply at least 100mA of current.

MEASUREMENTS

Current Draw: 70mA (100mA Power Supply Recommended)

Input Impedance: 250KΩ

Output Impedance: 8KΩ

Dimensions: 4 3/4" x 3 7/8" x 2 1/4"

Weight: 0.84 lbs

Any questions? Email help@catalinbread.com