

CALLISTO

CHORUS/VIBRATO

USER GUIDE

catalinbread
MECHANISMS OF MUSIC

Hello and welcome to your new Callisto!

The Catalinbread Callisto is a Chorus/Vibrato pedal which employs an old school style analog MN3007 Bucket Brigade delay chip at it's core. Taking it's sonic cues from classic chorusing units such as the Boss CE-1 and CE-2, the Arion SCH-1, and the EHX Small Clone, the Callisto's interface is simple and intuitive . It provides a multitude of sounds ranging from subtle shimmer, to thick chewy chorusing and off-kilter warping/warble sounds.

The Callisto's small size and versatile feature set make it a great addition to any pedalboard. The Callisto integrates various high quality components to achieve the best tonal response possible. In addition to using the MN3007 bucket brigade chip, just like early chorus pedals, we also employ an audiophile grade Burr Brown OPA2134 chip in the audio path to give the Callisto an organic and dynamic playing feel.

QUICK START

First, let's start by plugging the Callisto into your amp without any other pedals in the chain. Set your amp to a clean setting, this way you can accurately hear and feel how the pedal responds to your playing.

A good place to start is with all knobs at noon. This setting gives us a fairly deep, lush, medium-speed chorus effect. Go ahead and play on this for a while, then begin to adjust the **RATE** control. Turn the **RATE** knob down to 9 o'clock. You can hear the speed of the modulation slow down and create a very spacious, ambient texture. If you turn the **RATE** all the way down, the modulation speed is so slow the effect is almost transparent. On the other hand lets bring the **RATE** up to 3 o'clock. This gives us a faster, almost rotary-like vibrato effect on your guitar signal. Turn the **RATE** control all the way up and you can really begin to channel your inner space gremlins.

Lets move on to the **MIX** knob. The **MIX** control smoothly dials everything from lush chorusing, to true pitch vibrato, to sea sickening warble, and has the ability to run from completely dry to 100% wet. If you want a more chorus-like sound, anywhere from 9 to 2 o'clock is a good place to be. If you're after a vibrato effect, setting the **MIX** control to maximum will give you 100% wet pitch-shifting modulation.

A twist of the **DENSITY** knob adjusts the delay line time. This is where you'll find the ability to mimic several different flavors of classic chorusing tones. At minimal settings, you'll notice the effect is subtle and airy, and as you turn up the knob things become thicker and more dense.

The sweep depth of the pitch modulation is controlled by the **WIDTH** control. Notice that when this control is set to minimum, you will not hear any modulation. As you gradually increase the **WIDTH** knob, you will hear the pitch begin to shift slowly. The more you turn it up, the wider the range of pitch modulation you get from the Callisto.

CONTROLS IN DETAIL

The **MIX** control allows you to dial in the amount of effected signal from 0%-100%.

The **RATE** knob controls the speed at which modulation occurs.

The **DENSITY** knob adjusts the delay line time from 5ms to 50ms.

The **WIDTH** control adjusts the sweep depth/intensity of the pitch modulation.

POWER SUPPLY

The Callisto can be powered by a 9V battery, or any 9V DC power supply with a center-negative tip designed for use with effect pedals. To use a battery, just remove the four screws from the bottom plate, and plug your 9V battery into the attached battery strap.



WHERE TO PLACE YOUR CALLISTO IN YOUR EFFECT CHAIN

Modulation pedals conventionally live at the end of effect chains. They are often used in conjunction with reverb or delays to create vast, mesmerizing soundscapes. Try putting it before a dirt pedal and you can really hear all of the chorusing overtones get chewed up. Put it after a fuzz pedal and experience a ripping synth-like 80's guitar tone. The further towards the end of your chain the Callisto is placed, the more distinguished the chorus/vibrato effect will be. That being said, we encourage you to experiment with placement and use your ears to decide what sounds best! The possibilities of different sounds and combinations with effect pedals are endless.

SPECIFICATIONS

True Bypass switching

4.375" (11.11 cm) x 2.375" (6 cm) x 1.875" (4.76 cm)

19mA power draw at 9V DC

9V DC center-negative power supply or battery operation