

❧ *Lüm* ❧

TEXTURE ENGINE



INSTRUCTION MANUAL v.1

Modes

Use the Mode switch to select between three programs:

MODE I: GRAIN CLOUD – A granular texture built from dual taps reading from a feedback delay line. The X knob controls the grain size, or how frequently you’ll hear the “glitches” happen. Experiment stacking with other modulated or wet effects on your board to create all-new sounds.

MODE II: GRAIN VERB – A granular reverb built from dual taps reading from the delay memory of a reverb algorithm tank. The result is a dense, washed-out texture where grains are fully embedded in reverb. Almost as if the grains just took a bath in reverb. The X knob controls the grain size, or how frequently you’ll hear the “glitches” happen. Tip - Lüm is a treat to put before high-gain pedals in Mode II.

MODE III: FORWARD/REVERSE VERB – A forward reverb algorithm running into a reverse reverb algorithm. You’ll hear a playful rhythmic interaction between the forward and reverse reverbs. Use the Stretch knob to change how fast or slow this interaction is. The X knob controls the reverse reverb decay.

Controls

Decay: Controls the decay on time-related parameters for each texture effect.

In **Mode I**, Decay controls the feedback of the sampled delay line.

In **Mode II**, Decay controls the decay of the sampled reverb tank.

In **Mode III**, Decay controls the decay of the forward reverb tank.

Filter: Adjusts the cutoff of a global synth style low-pass filter, shaping the tone of the effect.





Mix: Controls the mix of wet and dry audio signals. Counterclockwise is more dry, clockwise is more wet.

X: Controls grain size in Modes I and II, and reverse reverb feedback in Mode III.

Stretch: Time stretches the effects by adjusting the global sample rate from 0.5x speed to 2x. This will interact uniquely with all time-based parameters including grain size, reverb decay, and filter tone.



BYPASS: Press this control once to bypass/activate the effect. Hold down the Bypass stomp switch when the pedal is active to edit the moment effect target (*see below*).

MOMENT: Hold to activate an automation glide effect on one of the five knobs, moving from its current setting to a defined target.

To assign which knob is controlled, hold Bypass while the pedal is active (the Bypass LED will blink), then turn a knob to set the target.

Note: Moment settings are saved per preset.

Adjusting the Mode toggle while Bypass is held down will adjust the automation glide time between 10ms, 1000ms, and 5000ms.

Presets

Lüm has 3 onboard presets (Red, Green, & Blue). If the same mode is used in the next preset, the effect sound will fade from the previous preset settings to the newly recalled preset settings.

Scroll through the presets by pressing both stomp switches at the same time. Each press loads the next preset (Red → Green → Blue).

To save a preset:

1. Scroll to the preset color you want to save a new sound to.
2. Using the knobs and switches, dial in the desired effect sound. The preset LED will turn purple, indicating the preset has been modified. The preset LED will go back to the preset color when you cross the current saved setting.
3. To save, hold down the Bypass and Moment stomp switches until the preset LED blinks. The preset is now saved, and the LED will return to the preset color.

Factory Reset: To perform a factory reset, hold down both foot switches while plugging in power to the pedal. Continue holding until the Preset LED starts to flash, then release both switches. The pedal will now be in Trails mode with the three default presets loaded in the Red, Green, and Blue presets.



RED PRESET

- Mode I
- Moment assigned to Stretch Knob



GREEN PRESET

- Mode II
- Moment assigned to Stretch Knob



BLUE PRESET

- Mode III
- Moment assigned to Stretch Knob



Trails Mode

The Lüm can run in trails or no trails mode. In trails mode, when you turn the pedal off, the effect decay dies off naturally. In no trails mode, the decay is abruptly cut off when you turn the pedal off. To toggle between either mode, hold down the bypass switch for 1 second while applying power to the pedal. Unplug power and repeat to toggle to the other mode.

Specs

Original artwork illustrated by Emily Ursä.

Buffered Bypass

Size Including Knobs: 4.77" x 2.6" x 1.39"

Input: 1 x 1/4" TS

Output: 1 x 1/4" TS

Input Impedance: 1 M Ohms

Output Impedance: 100 Ohms

Power Requirement: 9 VDC center-negative, 100 mA minimum.

The use of an isolated power supply is recommended for powering all Walrus Audio pedals. Daisy chain power supplies are not recommended.

Power supply not included.

Got questions or need a repair?

Email help@walrusaudio.com to talk with a real live human about your Walrus gear!

This product comes with a limited lifetime warranty.

[Click Here](#) for more info.

