



JUDDER

INSTRUCTIONS



Thank you for buying the wood version of the Judder pedal. This version is an enhanced copy of the mini pedal from 2009.

The effect was designed to sample and repeat constantly renewable sound loops at the press of a button. To do this, the input is constantly being recorded in the background like a tape loop. So when the footswitch is pressed, the loop repeats what was recorded immediately before. Upon release, recording resumes and things return to normal.

This larger version uses both a momentary footswitch and a latching type, allowing the user to invert the direction momentary effect so it can be held on like a normal pedal might.

Extra switches and controls have been added to push the limits of the chip and achieve lots of different sounds and utilities, sometimes noisy, but also useful.

All signal paths are analogue, with the repeats being produced by an echo chip known for its faux analogue sound and warm noise characteristics.

CONTROLS

LENGTH

Varies the length of the sample being taken, depending on the range switch.

HOLD

Controls the feedback of the repeats. At 5 it achieves constant hold. Can be turned down for doubling/chorus effects (in layer mode), or increase for feedback and swells.

MOD

Varies the extent of the pitch modulation, works in combination with the sample LENGTH.

MIX

Sets the ratio of dry signal to effect. In MUTE mode this control acts as a depth control

ENV/LFO

Adjusts the sensitivity setting for ENV, and the rate of the LFO. The LFO/ENV switch flips between the two settings accordingly.

SWITCHES

EFFECT

In central position ('JUDDER' mode), no more sound is added to the sample. In LAYER the sample can be layered over. MUTE mode acts as cut or boost (altered by MIX control).

MOD.

Changes the way the pitch Modulation sounds, from a smooth waveform, to straight up or down.

LFO / ENV

Chooses between Envelope or LFO based effects, or both at the same time

AUTO

Allows switching of the effect by ENV/LFO. Auto 1 **triggers** by ENV and switches with a 50/50 LFO. Auto 2 **ducks** with ENV and 90% LFO.

RANGE

Increases/decreases the maximum length of the sample. In long mode, the sample rate gets reduced beyond the delay chips normal limit for a lo-fi effect.

RIGHT FOOTSWITCH

Momentary switch that turns effect on and off, depending on the status of the left footswitch.

LEFT FOOTSWITCH

Latching footswitch that can be used to hold the effect on and invert the direction of the right switch.

EXPRESSION INPUT

Allows control of 1/4 BPM with a standard (25k) expression pedal. Can accept an attenuated CV signal (optimum voltage swing of 5v).

FOOTSWITCH INPUT

Connecting a simple footswitch to this input will allow for external switching of the effect. A basic connection between tip and sleeve of the jack will work here, a maximum voltage of 15v will also switch the effect on externally.

TECHNICAL INFORMATION

Repeat Length: 27ms to 300ms/27ms to 10secs

Input Impedance: 1m Ω

Output Impedance: 100 Ω

Current Consumption: 35mA

SAFETY GUIDELINES

This pedal should be used with a 9v DC power adaptor dedicated for use with guitar effects. It uses a centre negative polarity 2.1mm socket (see diagram below), standard to 9v guitar pedals.

If any problems occur, stop using the pedal and contact us for advice any time of the week for advice on how to proceed.





GUARANTEE INFORMATION

The pedal comes with a 6 month guarantee commencing from date of delivery. This covers any defects in the pedal operation resulting from faults in the materials or construction. Repairs outside of this time may incur a small fee but in most cases it's still free.

This guarantee is not extended to damaged, opened, modified or improperly used items.

CONTACT DETAILS

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All circuitry, logo, names and design

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