


Stutterphone V.2 Manual

Hello and thank you for supporting Magpie Pedals by getting one of my creations!

Feel free to use it with guitar/bass/synths/drums/voice or anything in between (results may vary).

It works on 9VDC (2.1mm)  - center negative.

Input is on the right side (black ring) and output is on the left (white ring).

1. Info:

The Stutterphone is built upon one of my oldest pedal ideas. Originally taking apart vintage rotary phones and simply passing the signal through the inside mechanics to use both the rotary dial and big red button as killswitches.

In the new Stutterphone V.2 the signal is never mechanically broken. Instead the **rotary dial** and **big red button** are connected to a microcontroller that controls a "silencer" I have designed. This is to avoid the pop sounds occurring when mechanically cutting an audio signal.

For the first Stutterphone I also designed a fuzz. This is of course included in the Stutterphone V.2. But I have now added a clean mix so you can dial it in yourself. I also tweaked the volume knob to double as a clean boost.

Worth noting is that the silencer is connected directly to the output of the signal, meaning that it's the last thing that happens in the signal chain and will silence completely regardless of clean/fuzz.

On the back of the Stutterphone V.2 there is an **additional red button**. This button inverts the function of the microcontroller. Meaning that the Stutterphone is set to silent and *only lets audio pass through on "button presses"*.

(The **clear mini pot** lights up white to indicate whenever signal is silenced).

Additionally the Stutterphone V.2 has *two different modes of operation* (Press and hold the **bypass footswitch** for about 1-2 seconds to change mode):

Red Mode (Manual/Original): Manually use the big red button or rotary dial to either silence your signal or let it pass through (depending on the backmounted red button).

The Stutterphone V.2 always starts in RED mode when powering up.

Green Mode (Loop): In loop mode you can record up to 10 moments of silence/signal on a constant loop. These moments can range in time, but can only be recorded with the **big red button** (not the rotary dial). After 10 moments you will start to overwrite from the beginning.

To erase all your recorded moments you simply press and hold the **big red button** for a couple of seconds.

The loop length is controlled either with the **clear mini pot** or with a **5V CV Clock** connected to the 3.5mm jack on the back. With a clock source connected you can use the **rotary dial** to "skip" steps. Simply dial up a number and the microcontroller will disregard that number of clock steps before it restarts the loop.

(The **Red/Green LED** blinks **orange** every time the loop restarts).

When changing back to RED MODE your last loop will stay in GREEN MODE until the pedal is powered off.

2. Controls:

X : **Mix** knob. From dry to fuzz.

F: **Fuzz** knob. Blend between two different fuzzes. Counter clockwise for a cleaner and clockwise for gnarly.

V : **Volume** knob. Used to both attenuate the signal when using fuzz and as a clean boost (or fuzz-boost).

Clear Mini Pot: This pot sets the loop length in "green/loop mode". Counter clockwise for shorter loop and clockwise for longer loop. It works by counting a set amount of time before restarting the loop. Spanning from super short to around 8-10 seconds. The pot counting is not disconnected when connecting an external clock to the 3.5mm jack. Instead the best praxis is to simply set it to fully clockwise (but feel free to experiment with polyrhythmic loops).

This pot also lights up white whenever signal is silenced.

Footswitch: This is both your bypass button and the button you hold to switch between red/green mode.