THE SURGEON

QUICK REFERENCE MANUAL

This will be a quick reference guide to help you get started with the surgeon.
More advanced info can be found in the online product manual

Thank You!
for purchasing The Surgeon

DC JACK - 9V
100ma
DC power

OUTPUT JACK   **INPUT JACK**

DOSE - Takes you from 100% dry (all the way left) to 100% wet (all the way right.

PULSE - Adjusts the time of your delay

M - The "Mutation" knob changes its function based on what algorithm you are on.

REGEN - Adjust the feedback of your delay

MODE - Choose between 8 algorithms organized into 4 categories.

DIV - Choose between 5 tap divisions. 1/2, .1/4, 1/4, .1/8, 1/8

1   2   3   4

Led's - In "Preset" or "Tap" mode these LEDs will indicate what preset you are on if you are in the first 4 presets. In "Tap" mode Led 1 will blink to the tempo you have tapped in. The leds will flash in various ways to indicate changing of modes or settings.

Preset/Tap - When in "preset" mode, pressing will increment you through the first 4 presets and wrap back to preset 1. In "Tap" mode pressing will be read as a tap input and will sync the delay time to your tap input. Double press and hold will switch you between these two modes. Holding this switch will enter you into "Save" mode. Another press will save the current parameter positions to the currently selected preseet. While in "Save" mode send a midi message to save those settings to the desired midi preset

Bypass Switch-
Press to activate/deactivate the pedal. Hold to start the ramp feature, release to ramp back to the parameters starting state.

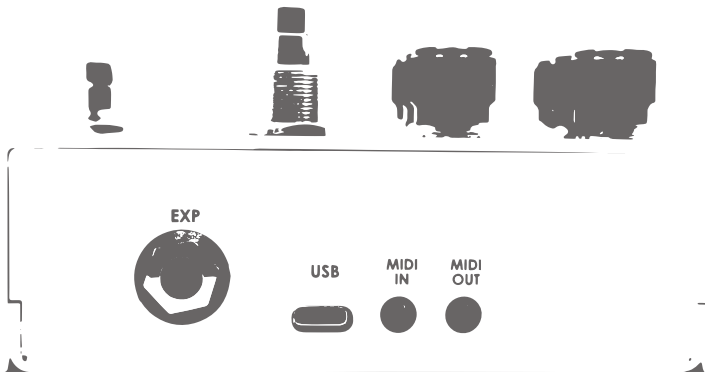**For additional information go to**
MATTHEWSEFFECTS.COM f 📷 y @matthewseffects

EQ - In the "EQ" mode we give you two algorithm options. You can choose between a low pass or high pass filter in the feedback loop. The "Mutation" knob lets you adjust the freq.

MOD - In the "Mod" mode you can choose between two algorithms where one lets you control the depth and one the rate of the modulation.

AF - The "Auto FIlter" mode lets you choose between two algorithms where one lets you control the depth and one the rate of the filter.

DUAL - The "Dual" delay mode gives you a 2nd delay time. In the "UnSynced" algorithm the time is adjsutable to whatever you want it to be. In the "Synced" algorithm you can set a tap division for the 2nd delay time to be synced to your main delay time.

EXP

USB   MIDI   MIDI
        IN   OUT

Midi In/Out - These take a trs 3.5mm cable to send/receive midi messages. The Surgeons default is set to MIDI channel 1.

USB - Takes a USB C connection to send/receive midi and connect to the computer editor. Use the computer editor to create/edit presets, edit global settings and update the firmware.

Exp - Connect any standard TRS expression pedal for expression control. Not only can you can assign any parameter to be controlled via expression but you can also set their heel and toe position.

Global Settings:

To adjust the global settings on your surgeon without the editor simply power on your pedal while holding the "bypass" switch.
While holding the bypass switch adjust the following knobs for the desired change.

Dose - This will adjust the boot state of your pedal.
1: Off
2: On
3: Preserve State on power cycle

Regen - This will adjust the Tails mode for the surgeon. If "off" then your delays will be cut off when the pedal is bypassed. If "On" then your delays will continue when the pedal is turned off although no delays will be created.
1: Off
2: On

Pulse - Adjust whether the Surgeon ignores or listens to external MIDI clock.
1: Ignore
2: Listen

Mode- Adjust the MIDI out.
1: Thru
2: Out
3: Merge

M - Sets the MIDI channel for your pedal. The surgeon comes defaulted to channel 1. The leds will use binary to show what channel you are set to.

MIDI	LEDS
Channel 1 -	0 0 0 0
Channel 2 -	0 0 0 1
Channel 3-	0 0 1 0
Channel 4-	0 0 1 1
Channel 5-	0 1 0 0
Channel 6-	0 1 0 1
Channel 7-	0 1 1 0
Channel 8-	0 1 1 1
Channel 9-	1 0 0 0
Channel 10-	1 0 0 1
Channel 11-	1 0 1 0
Channel 12-	1 0 1 1
Channel 13-	1 1 0 0
Channel 14-	1 1 0 1
Channel 15-	1 1 1 0
Channel 16-	1 1 1 1