

# Reflex

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Michael Sterling Smith

*for electric guitar and  
computer processing*

2013



# Notes for Reflex

Requirements: electric guitar, interface with two outputs, volume pedal (although using the volume knob may suffice), FCB 1010 midi foot controller, and a copy of Max Msp

Pedal A controls the delay time in milliseconds while pedal B controls the amount of frequency shift (0 position has no frequency transposition). Pedal A should not be used while playing to prevent clipping. Desired foot pedal position will be stated as 0% to 100% depressed (0-127 midi output) for the sake of clarity.

## Description of Effects:

Bank 1 - 8 repetitions of performed gesture, decreasing volume, frequency shift with pedal B.

Bank 2 - 24 repetitions, decreasing volume with return to initial volume, frequency shift with pedal B.

Bank 3 - 48 repetitions, varying volume, frequency shift with pedal B.

Bank 4 - 24 repetitions with frequency transposition, creates distortion/feedback when pedal is in 0 position and low frequencies are played (this is desired).

Banks 6-9 - control the gates for banks 1-4 to allow changing parameters for one voice or voices, without effecting the others. Bank 6 controls bank 1, 7 controls 2, 8 controls 3, and 9 controls 4. Banks 5 and 10 are not used.

**Numbers enclosed in a square indicates the bank activation, a triangle indicates deactivation, and a circle indicates which guitar string to play.**

# Reflex

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Initial settings:

Bank 1 - Pedal A at 100%

Bank 2 - Pedal A at 50%

Bank 3 - Pedal A at 0%

Bank 4 - Pedal A at 0%

All Banks - Pedal B at 0%

use gates (banks 6-9) to adjust settings individually

8 ♩ = 40

1 6 harm. 2 3 3 \* 5 3 1

6 *p* *mf* *f*

11 *p* *n < n < p* *n < n < p* *n < n < p* *n < n < p* *mf*

16 3 B --- 100 --- 0 3 B to 100 pizz. 3x 8 pizz.

20 B to 0 pizz. 3 6 7 pizz. B 0 --- 100 *p*

24 *n < n < p* *n < n < p* *n < n < p* *n < n < p* *n < n < p*

\* wait until sound's extinction

29 8 \*

*n* *n* *n* *n* *n* *n* *n* *n*

33 3 4 3 3x

B 100-----0 \* *a little faster*

*f* *p* *mf* *f*

37 3 3

42 3 B -----100-----0 3 \* L.V.

*ff* *p* *ff*