



# Bronzelidded

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Oliver Hickman

for 7 String Electric Violin and Electroincs  
2018

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COMMISSIONED BY KYLE STALSBERG

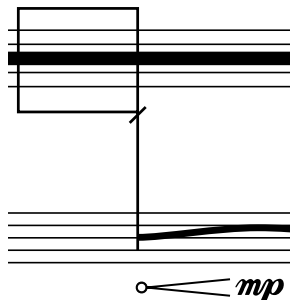
# Bronzelidded

## for Electric 7 String Violin and Electronics

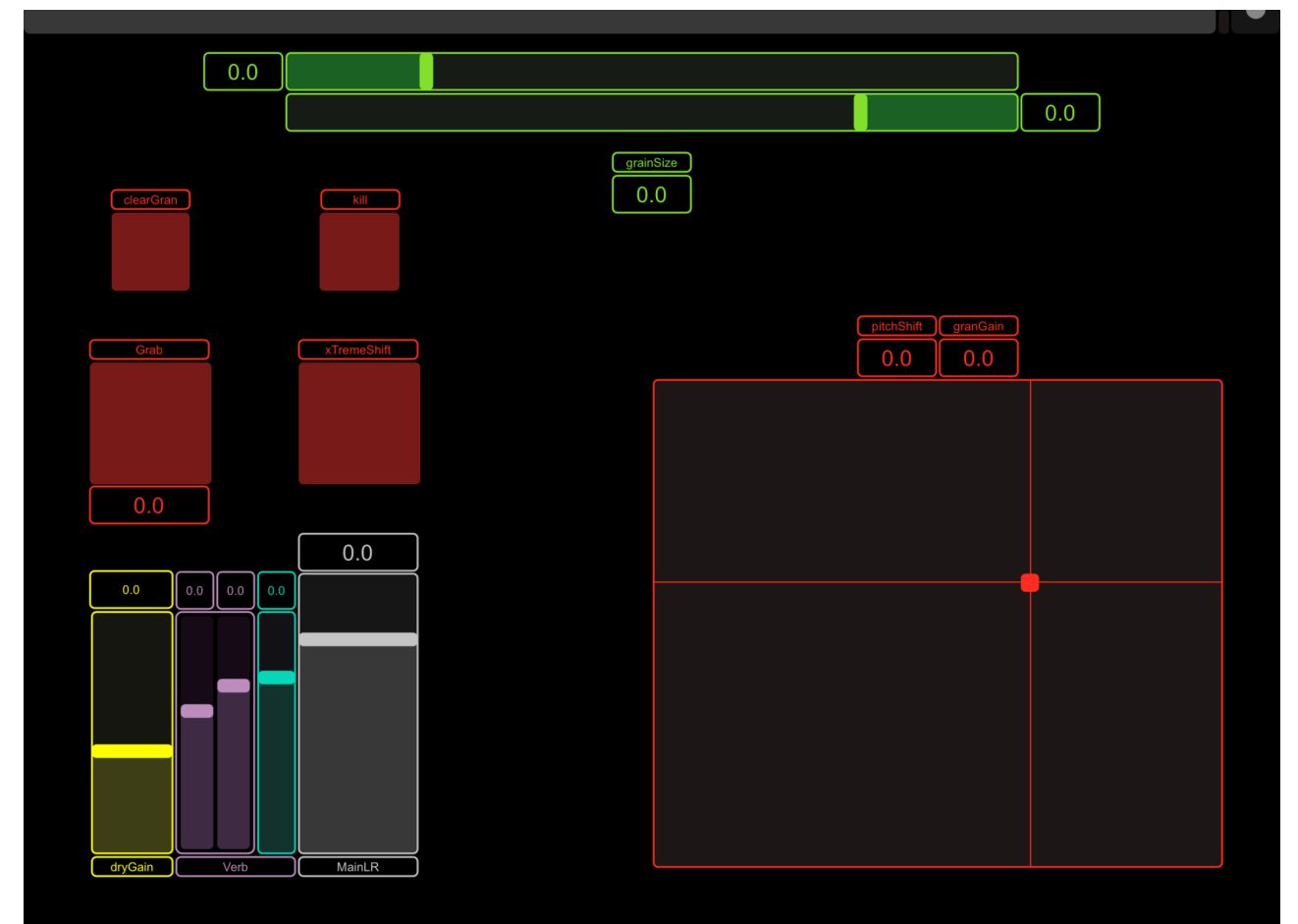
*Bronzelidded* is composed for Electric 7 String Violin and Electronics, otherwise known as a Viper. Different tunings exist for the Viper, this piece requires it to be tuned in 5ths as follows: B $\flat$ 1-F2-C3-G3-D4-A4-E5.

The signal flow should be mono signal from the violin into an interface where signal processing is done in MaxMSP and then routed from the interface to a guitar or keyboard amp. An amp should be used in leu of a PA as the pickup system in the Viper was designed to be colored by amplifiers. It is the design of the piece to seamlessly extend the natural capabilities of the violin; sending the dry violin signal through the same amplifier as the electronics perceptually melds the two paradigms, strengthening the extension.

The electronics are controlled through TouchOSC and should be done live.



The electronics system is essentially a granular synth. Instead of the traditional granular synth model where the duration of a grain is samples, the grains in *Bronzelidded* are at least 100 milliseconds long. In the above figure, it is indicated that the electronics take a sample of the violin, fade it in, and adjust the pitch.



The TouchOSC layout. The bars at the top adjust the start/stop position of the grain. The XY pad adjusts the volume and the pitch of the granular synth output.

# Bronzelidded

Oliver Hickman

Freely; Don't drag

Electric Violin

Electronics

II

10"

10"

sul pont ord II

pp

mp

mp

ff

mp

4

E. Vln.

lateral bow scrape

10"

sul pont ord III

II

mf

ff

mp

p

mf

Elec.

mf

mf

7

E. Vln.

III

20"

10"

tap strings

10"

col legno, sul tasto

ord

pp

mp

mf

ff

10a

E. Vln.

sul pont ord

IV

IV

ad lib harmonic pressure

mf

Elec.

10b

E. Vln.

f

20"

f

f

mp

mp

f

## Bronzelidded

2

13

E. Vln.

Elec.

*mf*

*p*

*mf*

*mp*

10"

20"

sul pont ord

16

E. Vln.

Elec.

*mp*

*mf*

*p*

*mp*

ad lib sul pont

ord

sul pont ord

20"

19

E. Vln.

Elec.

*mp*

*pp*

*ff*

*mp*

10"

10"

10"

LH pizz

col legno, sul tasto

ord

22

E. Vln.

Elec.

*p* cresc...

*ff* decresc...

*p*

*mf*

sul pont ord

ad lib sul pont

ord

10"

25

E. Vln.

Elec.

*ff*

*p*

*mp*

*ff*

*p*

10"

15"

5"

col legno, sul tasto

increase pressure