

Liam Carey

An intense and unpleasant
excitement

for solo flute and electronics

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Duration: 5'30

Electronic requirements:

Computer running MaxMSP 7
Microphone and audio interface
Midi foot trigger device
8 speaker surround sound set up

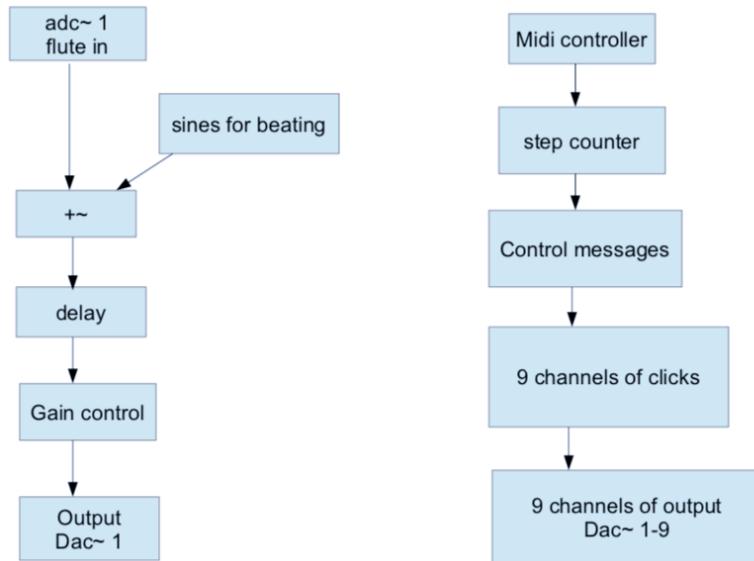
The flute sound be mic'ed and run through the MaxMSP patch. Also some 'dry' flute signal should be added to the overall mix to ensure the flute is always audible.

Note to the performer:

This part is written with three lines. The top line 'Elec's' gives cues for the electronics and is for guidance only. The second line 'Flute' is the flute part, and the third line 'Trig' is the triggers for the electronics which will ideally be controlled using a midi foot switch.

Liam Carey – *An intense and unpleasant excitement*

Max patch information



The electronics part for this piece consists of two main components: sine waves which are used to create beating against the live flute parts, and 9 click sounds which are evenly panned across the stereo field (left to right).

The flute signal is brought in live using input 1 and is combined with a steady sine wave at 440Hz to produce beating. The volume of the sine wave should be controlled by a second person operating the max patch.

The 9 click sounds are controlled by a [metro] object in Max. The speed and direction of the [metro] object are set by a sequence of messages. These messages are number and are notated in the score on a separate line. The changes between these messages are controlled by a step counter, and can be triggered either by midi input or by a key command in Max. The output of the 9 click sounds are on 9 separate channels (dac~ 1-9) which should be diffused across the speaker array left to right.

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1 = 60 Molto rubato

approx speed of beats

Elecs

Fl.

Elecs

Fl.

Elecs

Fl.

Fl.

Trig

10

1

14

Fl.

Flz. $\text{b} \text{ z}$

16

Fl.

Trig //

2

accelerando trill, the upper note should start very flat and then bend up to pitch

19

Fl.

$\text{tr} \sim \sim \sim$ f

22

Fl.

Trig 3

24

Fl.

3

Fl.

26

mp agile, light

3

Fl.

29

Trig

2

4

6

6

Fl.

30

f

6

6

6

6

Fl.

31

mp

Fl.

32

f

Fl.

33

Fl.

34

Fl.

35

Trig

6

6

36

Fl. 6 4

Trig 6 4

7

repeat as fast as possible

37

Fl. 4 4 trill key trill

trill key trill

ff

38

Fl.

Trig

8

39

Fl. p 3

Trig

5

$\text{♩} = 120$ Strict time senza rubato

42

Elecs 2 4

Trig 2 4

6

Don't synchronise with the electronics, just keep your own timing tight

44

Fl.

f precise, mechanical, and with a slightly more intensity

Musical score for Flute (F1.) and Trigger (Trig). The score consists of six staves, each starting with a treble clef and a key signature of one sharp (F#). The time signature varies between 2/4 and 3/4.

Staff 1 (Flute): Measures 46-47. 2/4 time. The flute plays a continuous eighth-note pattern of F#-G-A-G-F#-G-A-G-F#.

Staff 2 (Flute): Measure 48. 2/4 time. The flute continues the eighth-note pattern from measure 47.

Staff 3 (Trigger): Measure 48. 2/4 time. The trigger plays a single note at the beginning of the measure, followed by a rest.

Staff 4 (Flute): Measures 52-53. 2/4 time. The flute continues the eighth-note pattern from measure 47.

Staff 5 (Flute): Measures 54-55. 2/4 time. The flute continues the eighth-note pattern from measure 47.

Staff 6 (Trigger): Measures 54-55. 2/4 time. The trigger plays a single note at the beginning of each measure, followed by a rest.

Staff 7 (Flute): Measures 58-59. 3/4 time. The flute plays a continuous eighth-note pattern of G-A-B-A-G-A-B-A-G.

Staff 8 (Trigger): Measures 58-59. 3/4 time. The trigger plays a single note at the beginning of each measure, followed by a rest.

Staff 9 (Flute): Measures 61-62. 2/4 time. The flute continues the eighth-note pattern from measure 59.

Staff 10 (Trigger): Measures 61-62. 2/4 time. The trigger plays a single note at the beginning of each measure, followed by a rest.

Fl.

Trig

13

14

This section shows two staves. The top staff is for the Flute (F1), which plays eighth-note patterns of various intervals. The bottom staff is for the Trigger, which plays sustained notes with vertical stems. Measure 13 starts with a sustained note followed by a eighth-note pattern. Measure 14 continues with eighth-note patterns.

Fl.

Trig

15

This section shows two staves. The top staff is for the Flute (F1), which plays eighth-note patterns. The bottom staff is for the Trigger, which plays sustained notes with vertical stems. Measure 15 starts with a sustained note followed by a eighth-note pattern.

Fl.

Trig

16

17

This section shows two staves. The top staff is for the Flute (F1), which plays eighth-note patterns. The bottom staff is for the Trigger, which plays sustained notes with vertical stems. Measure 16 starts with a sustained note followed by a eighth-note pattern. Measure 17 continues with eighth-note patterns.

Fl.

Trig

18

This section shows two staves. The top staff is for the Flute (F1), which plays eighth-note patterns. The bottom staff is for the Trigger, which plays sustained notes with vertical stems. Measure 18 starts with a sustained note followed by a eighth-note pattern.

Fl.

Trig

19

This section shows two staves. The top staff is for the Flute (F1), which plays eighth-note patterns. The bottom staff is for the Trigger, which plays sustained notes with vertical stems. Measure 19 starts with a sustained note followed by a eighth-note pattern.

Elecs

Trig

20

This section shows two staves. The top staff is for the Electronics (Elecs), which plays sixteenth-note patterns. The bottom staff is for the Trigger, which plays sustained notes with vertical stems. Measure 20 starts with a sustained note followed by a sixteenth-note pattern.

7 88
F1. *ff growing more aggressive*

90
F1.

92
F1.
Trig 21

94
F1.
Trig 22

96
F1.

98
F1.

100
F1.
Trig 23

102
F1.

104

Fl.

This musical score page shows two staves. The top staff is for the Flute (Fl.), which has a treble clef and is playing a continuous line of eighth-note pairs with various accidentals. The bottom staff is for the Trigger, which has a bass clef and is indicated by a vertical bar with a double bar line. Measure numbers 24 and 25 are present on the right side of the page.

Trig

24

106

Fl.

This musical score page shows two staves. The top staff is for the Flute (Fl.), which continues its eighth-note pattern. The bottom staff is for the Trigger. Measure number 25 is present on the right side of the page.

108

Fl.

growing more frantic

This musical score page shows two staves. The top staff is for the Flute (Fl.), which continues its eighth-note pattern. The bottom staff is for the Trigger. A performance instruction "growing more frantic" is written above the flute staff. Measure number 25 is present on the right side of the page.

Trig

25

110

Fl.

This musical score page shows two staves. The top staff is for the Flute (Fl.), which continues its eighth-note pattern. The bottom staff is for the Trigger. Measure number 26 is present on the right side of the page.

112

Fl.

This musical score page shows two staves. The top staff is for the Flute (Fl.), which continues its eighth-note pattern. The bottom staff is for the Trigger. Measure number 26 is present on the right side of the page.

Trig

26

114

Fl.

This musical score page shows two staves. The top staff is for the Flute (Fl.), which continues its eighth-note pattern. The bottom staff is for the Trigger. Measure number 27 is present on the right side of the page.

Trig

27

116

Fl.

This musical score page shows two staves. The top staff is for the Flute (Fl.), which continues its eighth-note pattern. The bottom staff is for the Trigger. Measure number 28 is present on the right side of the page.

9

Flz.

Fl.
fff harsh, grating

Trig

118

28

Fl.

123

gliss. gliss. gliss.

Fl.

128

ffff

Trig

wait for the electronics
to completely stop

29

 $\text{♩} = 60$ Molto rubato again

Elecs

131

approx speed of beats

F1.

Trig

p *f* *p*

calm, non espress

30

Elecs

135

F1.

pp *mf* *pp*

10

Elecs

138

Fl.

pp

gliss.

mp

Speakers

140

Elecs

Fl.

p agile, light, molto legato

Trig

31

142

Fl.

143

Fl.

144

Fl.

145

Elecs

Trig

32

