

Alias States

for piano and electronic drumkit

Olly Sellwood
2019

for Siwan Rhys and George Barton

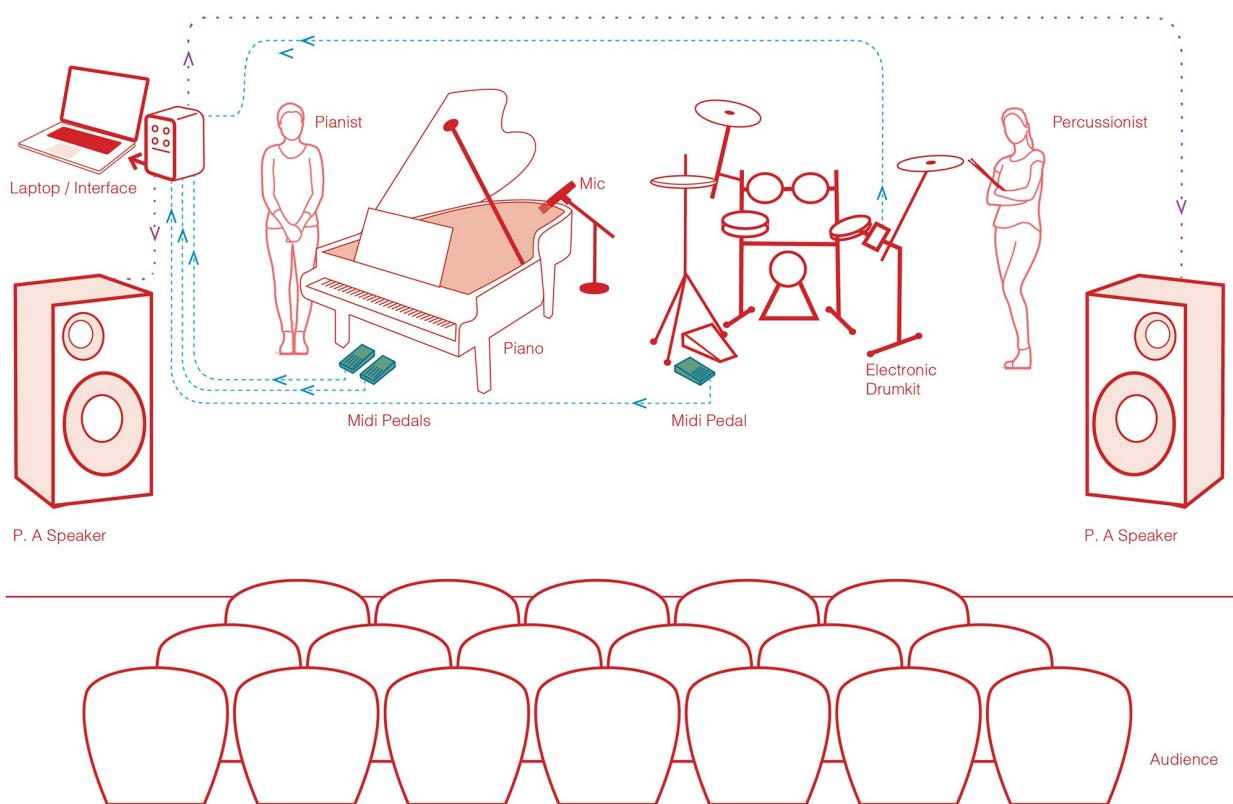
Technical Information

Equipment:

- > Grand piano
- > Electronic drum kit [kick, snare, hi-hat, hi-hat pedal, two rack toms, floor tom, two crashes]. The rim of the snare must be able to send a separate MIDI note.
- > PA system with two speakers
- > Laptop running Ableton Live 9 Suite. Patch available here:
https://www.dropbox.com/sh/9uzg3pru19yjkzt/AAC_cOSFpr7sihqC5dJywGM9a?dl=0
- > Audio/MIDI interface
- > MIDI lead
- > 3 Keyboard sustain pedals capable of outputting continuous MIDI data
- > Drum sticks
- > Microphone for the piano and optional volume pedal

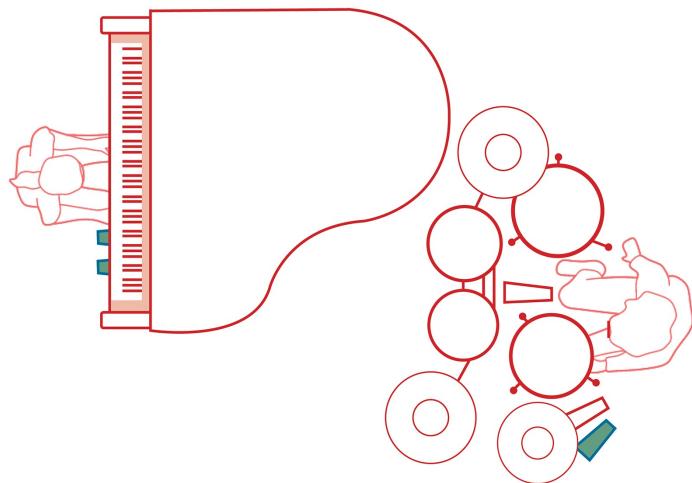
Set-up Information

- 1) Assemble the electronic drumkit and plug the MIDI cable from the MIDI out of the drum module to the MIDI in of the audio/MIDI interface.
- 2) Test that Ableton can read the incoming MIDI messages.
- 3) In Ableton's audio preferences set the buffer size to a suitable setting to avoid any latency.
- 4) In Ableton, arm all the tracks.
- 5) Make sure that the outputted MIDI notes from each pad (via the drum module) match with the notes in each drum channel in Ableton. If not change the MIDI notes via the drum module, not Ableton.
- 6) You may need to adjust the sensitivity and threshold parameters of the pads. Do this via the drum module.
- 7) Plug the keyboard sustain pedals into the audio interface. This may require a separate interface to convert the data into MIDI data.
- 8) Plug the output of the audio/MIDI interface into the PA system and adjust the volume between the individual pads, which should be all equal, and then balance the electronic drumkit with the acoustic piano, which should also be equal.

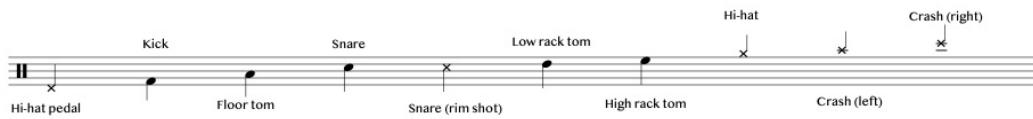


Stage Set-up

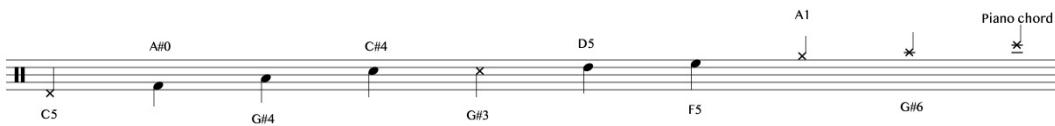
- > Place the PA speakers on stands, one either side of the instruments.
- > Place a microphone in the piano, this can be set up so a sound engineer adjusts the sound or the pianist can do so through a volume pedal.
- > The electronic drum module has a volume dial on it and should be set at 75% at the beginning of the piece, this is then turned up to 100% at Rehearsal Mark 7.
- > Open the piano lid fully or remove the lid. Place the laptop behind the piano and out of sight of the audience.



Drum Notation Key



These are the piano notes that are assigned to each electronic drum pad:



Performance Information

The piano player plays the grand piano and activates two arpeggiated notes via the two extra keyboard sustain pedals, which are placed next to the other piano pedals. The first arpeggiator (top line) is on C#4. The second arpeggiator (bottom line) is on E5. Both arpeggiators are velocity sensitive.

The percussionist plays the electronic drumkit and, additionally, a piano sustain pedal. Each drum pad has a piano note assigned to it.

The sustain pedal triggers a longer piano sample.

All of the notes and the sample are velocity sensitive; the harder they are hit (or depressed), the louder the note/sample sounds.

1

 $\text{♩} = 75$ quiet and mechanical

(B)

Piano

mp

Pedals (Pno.)

mp

Electronic Drumkit

mp

Pno.

Ped.

E. Dr.

Pno.

Ped.

E. Dr.

13

Pno.

Ped.

E. Dr.

Ped. _____
mp [ped. vol.]

This musical score page shows measures 13 for a piano and electric drum. The piano part (Pno.) has a treble clef and a key signature of one flat. It consists of two staves: the top staff for the right hand and the bottom staff for the left hand. The electric drum part (E. Dr.) has a bass clef and a key signature of one flat. It features a series of eighth-note patterns with specific dynamics like 'x' and 'y'. Measure 13 concludes with a dynamic instruction for the pedal: 'Ped.' followed by a blank line and 'mp [ped. vol.]'.

2

17

Pno.

Ped.

E. Dr.

Ped. _____
mf

mp

p

mp

p

This musical score page shows measure 17, marked with a large '2' in a box. The piano part (Pno.) has a treble clef and a key signature of one sharp. It includes dynamics 'mf' and 'mp'. The electric drum part (E. Dr.) has a bass clef and a key signature of one sharp. It features eighth-note patterns with dynamics 'x' and 'y'. The page also includes dynamics 'p' and 'mp'.

238

Pno.

locos

Ped.

E. Dr.

p

mp

28

Pno.

mp

Ped.

mp

mf

E. Dr.

mp

mf

^(D) V

32

Pno.

mp

Ped.

mp

E. Dr.

mp

mp

Ped. mp

^(B)

37

Pno.

E. Dr.

f

mf

f

mf

3 With energy

(B)

40

Pno.

E. Dr.

mf

ff

mf

43

Pno.

E. Dr.

ff

f

46

Pno.

E. Dr.

ff

f

49

Pno.

E. Dr.

f
Ped.

loco

52

Pno.

E. Dr.

f
Ped.
mf

54

Pno.

E. Dr.

pp
Ped. [sempre]

4 loco
(B)

pp

59

Pno.

Ped.

E. Dr.

63 (G_b)

Pno.

Ped.

E. Dr. pp

67

Pno.

Ped.

E. Dr.

71

Pno.

Ped.

E. Dr.

(F)

(B) (D)

(E)

77

Pno.

Ped.

E. Dr.

84

Pno.

Ped.

E. Dr.

(E)

(C)

[lift pedal] *

p

p

*1 All tremolomarks = 32nd notes for the note duration

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Musical score for piano and pedal. The piano part starts with a rest followed by a dynamic ***p***. The pedal part consists of sustained notes on the C# note. Measure 91 begins with a dynamic ***f***, followed by a dynamic ***p*** and a dynamic ***f***.

Musical score for E. Dr. featuring a melodic line across five staves. The first staff begins with three eighth-note pairs followed by a sixteenth note, with a dynamic marking **f**. The second staff consists of two eighth notes. The third staff features a single eighth note. The fourth staff contains two eighth notes. The fifth staff concludes with a single eighth note. Various performance markings are present, including grace notes, slurs, and dynamic changes such as **pp**, **p**, and **f**.

Musical score for piano and pedal at measure 96. The piano part consists of two staves. The top staff uses a treble clef and has a dynamic marking of $p \leftarrow f$. The bottom staff uses a bass clef and also has a dynamic marking of $p \leftarrow f$. The pedal part is indicated by a vertical brace between the two staves.

Musical score for E. Dr. (E. Drum) featuring a rhythmic pattern on a single staff. The pattern includes eighth-note pairs, sixteenth-note pairs, and sixteenth-note triplets. Various dynamic markings are present: a crescendo from **p** to **f**, a decrescendo from **pp** to **p**, and multiple instances of **p < f**. Performance instructions include a fermata over the first measure, a grace note over the second measure, and a grace note over the third measure.

Musical score for piano, pedal, and electric drum. The piano part (Pno.) consists of two staves. The top staff shows a melodic line with various dynamics and articulations. The bottom staff is grouped by a brace and includes dynamic markings *mf* and *Ped.*. The pedal part (Ped.) has a single staff with dynamic markings *f* and *p*. The electric drum part (E. Dr.) has a single staff with dynamic markings *pp*, *f*, *pp*, and *p*.

103

Pno.

Ped.

E. Dr.

loco

(D)

(C) (A) (Bb) (D) (E)

(C)

107

Pno.

Ped.

E. Dr.

6 $\text{♩} = 150$ [$\text{♩} = \text{♩}$]

mp

mf

mf

mp

111

Pno.

Ped.

E. Dr.

mf

mf

116

Pno.

Piano part: Treble clef, 8th note grouping, eighth-note chords.

Basso continuo part (Ped.): Three pairs of bass notes with sustained lines below them. Dynamics: *mf*, *mf*, *p*.

Electric Drums (E. Dr.): Bass drum (marked with a double vertical bar) and snare drum (marked with a vertical bar).

121

Pno.

Piano part: Treble clef, 8th note grouping, eighth-note chords.

Basso continuo part (Ped.): Three pairs of bass notes with sustained lines below them. Dynamics: *f*, *f*, *f*.

Electric Drums (E. Dr.): Bass drum (marked with a double vertical bar) and snare drum (marked with a vertical bar). Dynamics: *f*, *sim.*

126

Pno.

Piano part: Treble clef, 8th note grouping, eighth-note chords.

Basso continuo part (Ped.): Six pairs of bass notes with sustained lines below them. Dynamics: *sim.*, *mp*.

Electric Drums (E. Dr.): Bass drum (marked with a double vertical bar) and snare drum (marked with a vertical bar).

133

Pno.

ff

Ped.

f

Increase piano volume slightly

This musical score page shows measures 133 through 138. The piano part (Pno.) consists of two staves: treble and bass. The treble staff has eighth-note patterns with dynamic markings ff and f. The bass staff has sustained notes. The basso continuo part (Ped.) features sustained notes on the bass staff. Measure 138 concludes with a dynamic ff. A box labeled "Increase piano volume slightly" is positioned above the piano's bass staff.

E. Dr.

ff

This page continues the musical score from measure 138. The piano part (Pno.) and basso continuo part (Ped.) are shown. The basso continuo part maintains sustained notes. The dynamic ff is indicated below the bass staff.

139

Pno.

Ped.

E. Dr.

This page shows measure 139. The piano part (Pno.) and basso continuo part (Ped.) are present. The basso continuo part maintains sustained notes. The dynamic ff is indicated below the bass staff.

142

Pno.

Ped.

E. Dr.

This page shows measure 142. The piano part (Pno.) and basso continuo part (Ped.) are shown. The basso continuo part maintains sustained notes.

145

Pno.

Ped.

E. Dr.

148

Pno.

Ped.

E. Dr.

x4 7 Increase volume of the piano in preparation for rehearsal mark 8 x10

x4 Increase the kit to full volume over these ten bars x10

mf

150

Pno.

Ped.

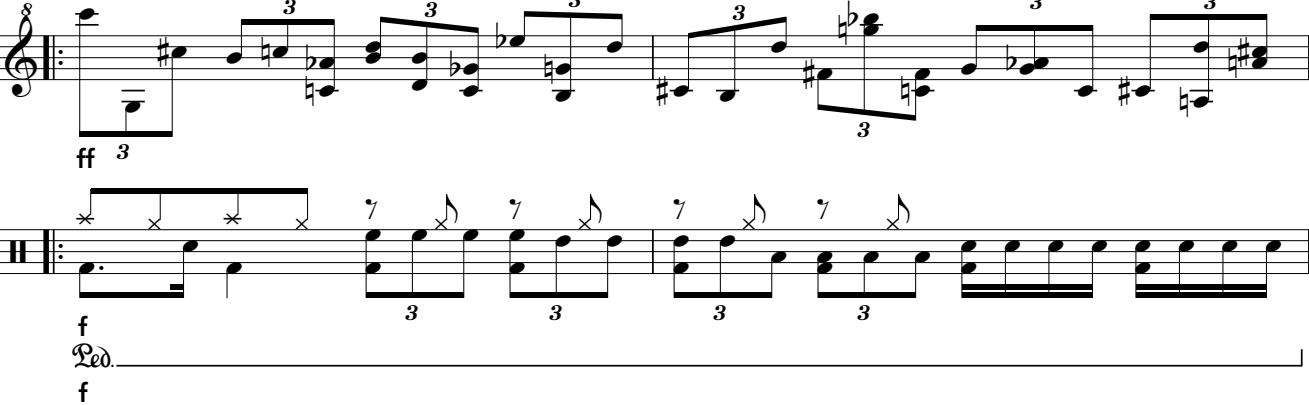
E. Dr.

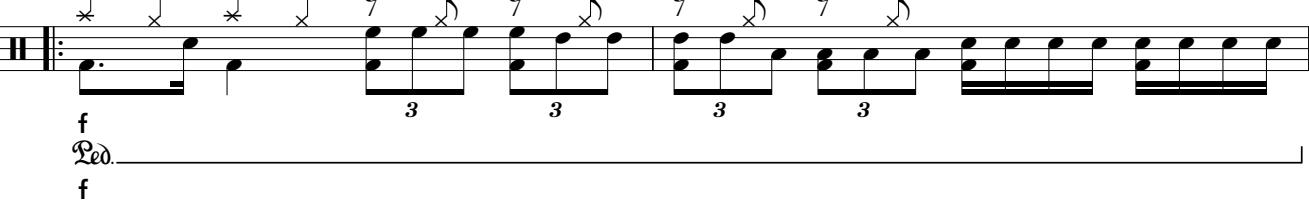
x6 ff

x6

8 Expansive

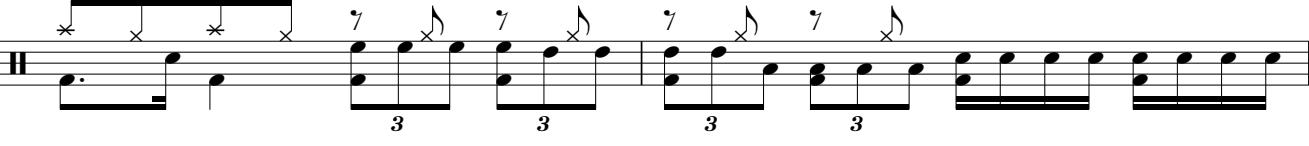
153

Pno. {  }

E. Dr. {  }

155

Pno. {  }

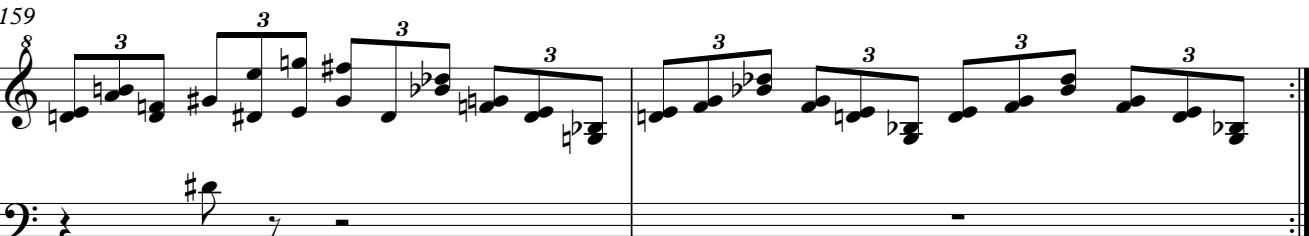
E. Dr. {  }

157

Pno. {  }

E. Dr. {  }

159

Pno. {  }

E. Dr. {  }

161

Pno.

E. Dr.

Ped.

This musical score consists of two staves. The top staff is for the Piano (Pno.), showing a treble clef, an 8th note time signature, and a key signature of one sharp. It features a continuous eighth-note pattern with various grace notes indicated by asterisks (*), crosses (x), and dots. Measure numbers 3 and 5 are marked below the staff. The bottom staff is for the Electric Drum (E. Dr.), showing a bass clef and a common time signature. It features a continuous eighth-note pattern with grace notes marked with asterisks (*), crosses (x), and dots. Measure numbers 3 and 5 are marked below the staff. A pedal marking (*Ped.*) is placed under the electric drum staff.

164

Pno.

E. Dr.

Ped.

This musical score consists of two staves. The top staff is for the Piano (Pno.), showing a treble clef, an 8th note time signature, and a key signature of one sharp. It features a eighth-note pattern with grace notes marked with asterisks (*), crosses (x), and dots. The bottom staff is for the Electric Drum (E. Dr.), showing a bass clef and a common time signature. It features a continuous eighth-note pattern with grace notes marked with asterisks (*), crosses (x), and dots. Measure numbers 3 and 5 are marked below the staff. A pedal marking (*Ped.*) is placed under the electric drum staff.

167

Pno.

Ped.

E. Dr.

This musical score consists of three staves. The top staff is for the Piano (Pno.), showing a treble clef, an 8th note time signature, and a key signature of one sharp. It features a eighth-note pattern with grace notes marked with asterisks (*), crosses (x), and dots. The middle staff is for the Pedal (Ped.), showing a bass clef and a common time signature. It features a sustained note with a long horizontal line underneath it. The bottom staff is for the Electric Drum (E. Dr.), showing a bass clef and a common time signature. It features a continuous eighth-note pattern with grace notes marked with asterisks (*), crosses (x), and dots. Measure numbers 3 and 5 are marked below the staff. A bracket is placed under the piano and electric drum staves.

170

Pno.

Pno. (Treble and Bass staves) and Pedal (Bass staff) are silent. The electric drum part consists of a continuous pattern of eighth-note pairs with 'x' marks on the second note of each pair.

E. Dr.

ff

9

173

Pno.

Pno. (Treble and Bass staves) plays a complex rhythmic pattern of sixteenth notes with slurs and grace notes. The electric drum part features eighth-note pairs with 'x' marks on the second note, with dynamics ff and ff³.

E. Dr.

ff **ff**
Ped. **ff**

176

Pno.

Pno. (Treble and Bass staves) plays a rhythmic pattern of eighth and sixteenth notes. The electric drum part continues its eighth-note pair pattern with 'x' marks on the second note, with dynamics 3 and 3.

E. Dr.

178

Pno.

E. Dr.

180

Pno.

E. Dr.

Ped.

182

Pno.

E. Dr.

185

Pno.

E. Dr.

Ped.

188

Pno.

Ped.

E. Dr.

10 Piano to full volume

192

Pno.

Ped.

E. Dr.

196

Pno.

Ped.

E. Dr.