Ableton Live Configuration

Footswitch:
Device: Rolls MP128 MIDIBUDDY
DIP switches:
    1: up, 2: up, 3: up, 4: up (set to MIDI channel 1)
    5: down (set to “song select”)
    6: up
Channel: 1 (set by DIP switches 1-4)
Out MIDI port: connected to Event Processor input
Share MIDI port: unused

Event Processor:
Device: MIDI Solutions Event Processor
Purpose: translates various MIDI messages into “note on” messages with velocity of 100:

- “program change X” translated to “note on X”
- “song select X” translated to “note on X”
- “start” translated to “note on 8”
- “stop” translated to “note on 9”

In: connected to footswitch MIDI out
Out: connected to Fast Track 8R MIDI input
Note: powered by MIDI phantom power, drawn from footswitch

```
F0 00 00 50 28 00 F7
{ Clear All Settings - allow all MIDI events not specified below to pass
through unchanged }

F0 00 00 50 28 02 00 00 02 00 7F 02 02 00 7F F7
C0 00
90 00 64
{ Setting #1: Map all Program Change events on MIDI channel 1 to Note-on events
of velocity 100 on MIDI channel 1, with the incoming Program Change value
mapped to the outgoing Note number. Continue to process settings }

F0 00 00 50 28 02 01 F7
FA
90 08 64
{ Setting #2: Map all MIDI Start events to Note-on #8 of velocity 100 on MIDI
channel 1. Continue to process settings }

F0 00 00 50 28 02 02 F7
FC
90 09 64
{ Setting #3: Map all MIDI Stop events to Note-on #9 of velocity 100 on MIDI
channel 1. Continue to process settings }

F0 00 00 50 28 02 03 00 02 00 7F 02 02 00 7F F7
F3 00
90 00 64
```

```
{ Setting #4: Map all Song Select events to Note-on events of velocity 100 on
MIDI channel 1, with the incoming Song Select value mapped to the outgoing Note
number. Continue to process settings }
```

M-Audio Fast Track 8R:

In 1: unused
In 2: unused
In 3: electric guitar (magnetic)
- mic input via TRS cable from pedalboard DI

In 4: electric guitar (saddle transducers)
- mic input via TRS cable from pedalboard DI

In 5: snare
- mic input

In 6: floor tom
- mic input

In 7: vocal
- mic input

In 8: unused

Out 1: unused
- Out 1 is actually a mono output of all looper channels

Out 2: unused
- Out 2 is actually a mono click track output

Out 3: electric guitar (magnetic)
- to Twin Normal channel, right jack

Out 4: electric guitar (saddle transducers)
- to Twin Vibrato channel, right jack

Out 5: snare
- to PA

Out 6: floor tom
- to PA

Out 7: vocal
- to PA

Out 8: kick
- to PA

Headphone out 1: cue and master out
- tied to inputs 1 and 2
- volume knob be set to 100 %

Headphone out 2: unused
- tied to inputs 3 and 4

MIDI out: to Mark, or Kevin, or somewhere else
MIDI in: from Event Processor output

Mac OS X Audio/MIDI Setup:
IAC Driver: Device is on
Bus 1 only
1 in port, 1 out port

Ableton MIDI Preferences:
Input: IAC Driver (Bus 1) - receives Multilooper MIDI messages, for Ableton remote
- track: off
- sync: off
- remote: on

Input: APC20 input (Akai APC20)
- track: on
- sync: off
- remote: off

Input: Fast Track Ultra 8R - receives MIDI from footswitch
- track: on
- sync: off
- remote: off

Output: IAC Driver (Bus 1) - output for Multilooper, sends MIDI notes to Ableton automation
- track: on
- sync: off
- remote: off

Output: APC20 output (Akai APC20)
- track: off
- sync: off
- remote: off

Output: Fast Track Ultra 8R - output for MIDI clock to Kevin
- track: off (unless something needs it)
- sync: on
- remote: off
- MIDI Clock type: Song

Ableton Audio Preferences:
Driver type: CoreAudio
Audio Input Device: M-Audio Fast Track Ultra 8R (8 in, 8 out)
Audio Output Device: M-Audio Fast Track Ultra 8R (8 in, 8 out)
Input config: all mono inputs enabled, no stereo inputs enabled
- *may want to disable mono inputs 1 and 2 if not needed*

Output config:
- 3, 4, 5, 6, 7, 8: mono outputs enabled
  - *may not need the mono inputs enabled for 5 / 6 because of the groups*
  - *may want to disable mono outputs 1 and 2 if not needed*
- 3 / 4 and 5 / 6 enabled

Sample rate: 48000

- may increase this further if CPU and RAM support it
Default SR and pitch conversion: High quality
Buffer size: 128 samples
- may decrease this further if CPU and RAM support it
Driver error: -11.04 ms (compensation)

Ableton Audio Tracks:
Track 1: L-0 GTR (group)
- Audio To: Ext Out, 3 / 4
- Sends: 0 %
- Max For Live Track: 0

Track 2: L-0 GTR MAG
- Audio From: Ext. In, 3
- Monitor: Auto
- Audio To: Group
- Sends: 0 %
- Pan: L
- Track arm: yes
- Rec enable: yes
- Device 0: Looper
    - Record: 4 bars, then play
    - Song control: none
    - Tempo control: follow song tempo
    - Quantization: global
    - Input -> output: never
- Max For Live Track: 1

Track 3: L-0 GTR SAD
- Audio From: Ext. In, 4
- Monitor: Auto
- Audio To: Group
- Sends: 0 %
- Pan: R
- Track arm: yes
- Rec enable: yes
- Device 0: Looper
    - Record: 4 bars, then play
    - Song control: none
    - Tempo control: follow song tempo
    - Quantization: global
    - Input -> output: never
- Max For Live Track: 2

Track 4: L-1 GTR (group)
- Audio To: Ext Out, 3 / 4

- Send A: 0 %
- Max For Live Track: 3

Track 5: L-1 GTR MAG
- Audio From: Ext. In, 3
- Monitor: Auto
- Audio To: Group
- Sends: 0 %
- Pan: L
- Track arm: yes
- Rec enable: yes
- Device 0: Looper
    - Record: 4 bars, then play
    - Song control: none
    - Tempo control: follow song tempo
    - Quantization: global
    - Input -> output: never
- Max For Live Track: 4

Track 6: L-1 GTR SAD
- Audio From: Ext. In, 4
- Monitor: Auto
- Audio To: Group
- Sends: 0 %
- Pan: R
- Track arm: yes
- Rec enable: yes
- Device 0: Looper
    - Record: 4 bars, then play
    - Song control: none
    - Tempo control: follow song tempo
    - Quantization: global
    - Input -> output: never
- Max For Live Track: 5

Track 7: L-2 DRUM (group)
- Audio To: Ext Out, 5 / 6
- Send A: 100 %
- Max For Live Track: 6

Track 8: L-2 SNARE
- Audio From: Ext. In, 5
- Monitor: Auto
- Audio To: Group
- Sends: 0 %
- Pan: L
- Track arm: yes

- Rec enable: yes
- Device 0: Looper
    - Record: 2 bars, then play
    - Song control: none
    - Tempo control: follow song tempo
    - Quantization: global
    - Input -> output: never
- Max For Live Track: 7

Track 9: L-2 FLOOR
- Audio From: Ext. In, 6
- Monitor: Auto
- Audio To: Group
- Sends: 0 %
- Pan: R
- Track arm: yes
- Rec enable: yes
- Device 0: Looper
    - Record: 2 bars, then play
    - Song control: none
    - Tempo control: follow song tempo
    - Quantization: global
    - Input -> output: never
- Max For Live Track: 8

Track 10: L-3 DRUM (group)
- Audio To: Ext Out, 5 / 6
- Send A: 100 %
- Max For Live Track: 9

Track 11: L-3 SNARE
- Audio From: Ext. In, 5
- Monitor: Auto
- Audio To: Group
- Sends: 0 %
- Pan: L
- Track arm: yes
- Rec enable: yes
- Device 0: Looper
    - Record: 2 bars, then play
    - Song control: none
    - Tempo control: follow song tempo
    - Quantization: global
    - Input -> output: never
- Max For Live Track: 10

Track 12: L-3 FLOOR

- Audio From: Ext. In, 6
- Monitor: Auto
- Audio To: Group
- Sends: 0 %
- Pan: R
- Track arm: yes
- Rec enable: yes
- Device 0: Looper
    - Record: 2 bars, then play
    - Song control: none
    - Tempo control: follow song tempo
    - Quantization: global
    - Input -> output: never
- Max For Live Track: 11

Track 13: L-4 VOCAL
- Audio From: Ext. In, 7
- Monitor: Auto
- Audio To: Group
- Sends: 100 %
- Pan: C
- Track arm: yes
- Rec enable: yes
- Device 0: Looper
    - Record: 4 bars, then play
    - Song control: none
    - Tempo control: follow song tempo
    - Quantization: global
    - Input -> output: never
- Max For Live Track: 12

Ableton MIDI Tracks:

Track 14: MULTILOOP
- MIDI From: Fast Track Ultra 8R, channel 1
- Monitor: Auto
- MIDI To: IAC Driver (Bus 1), channel 1
- Track arm: yes
- Rec enable: yes

Track 15: KICK
- MIDI From: No input
- Audio To: Ext. Out, 8
- Send A: 100 %

Ableton Return Tracks:
A Return:
Audio To: Master

Ableton Master Tracks:
Cue out: Ext. Out, 1
Master Out: Ext. Out 2
Cue volume: cranked (for the headphones)