

# DDJ-1000 Traktor mapping installation

*This work requires the “BOME Midi translator Pro” third-party software  
Steps are first explained, then shown via screenshots. Do not skip any step!*

*See also the installation FAQ (on a separate pdf file).*

*See also the common gotchas on page 34.*

# Step #0

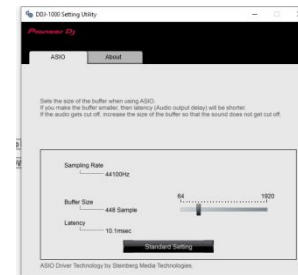
## CONFIRM THAT REKORDBOX PERFORMANCE MODE WORKS PROPERLY IN YOUR SYSTEM!!

Driver Download: <https://www.pioneerdj.com/en/support/software/controller/ddj-1000/#drivers>

Firmware download: <https://www.pioneerdj.com/en/support/software/controller/ddj-1000/#firmware-update>

Rekordbox DJ download: <https://rekordbox.com/en/>

VirtualDJ Instructions (for reference): <https://www.virtualdj.com/manuals/hardware/pioneer/ddj1000/installation.html>



# Step #1

**BOME TRIAL: INSTALLATION**

*do not skip any step!*

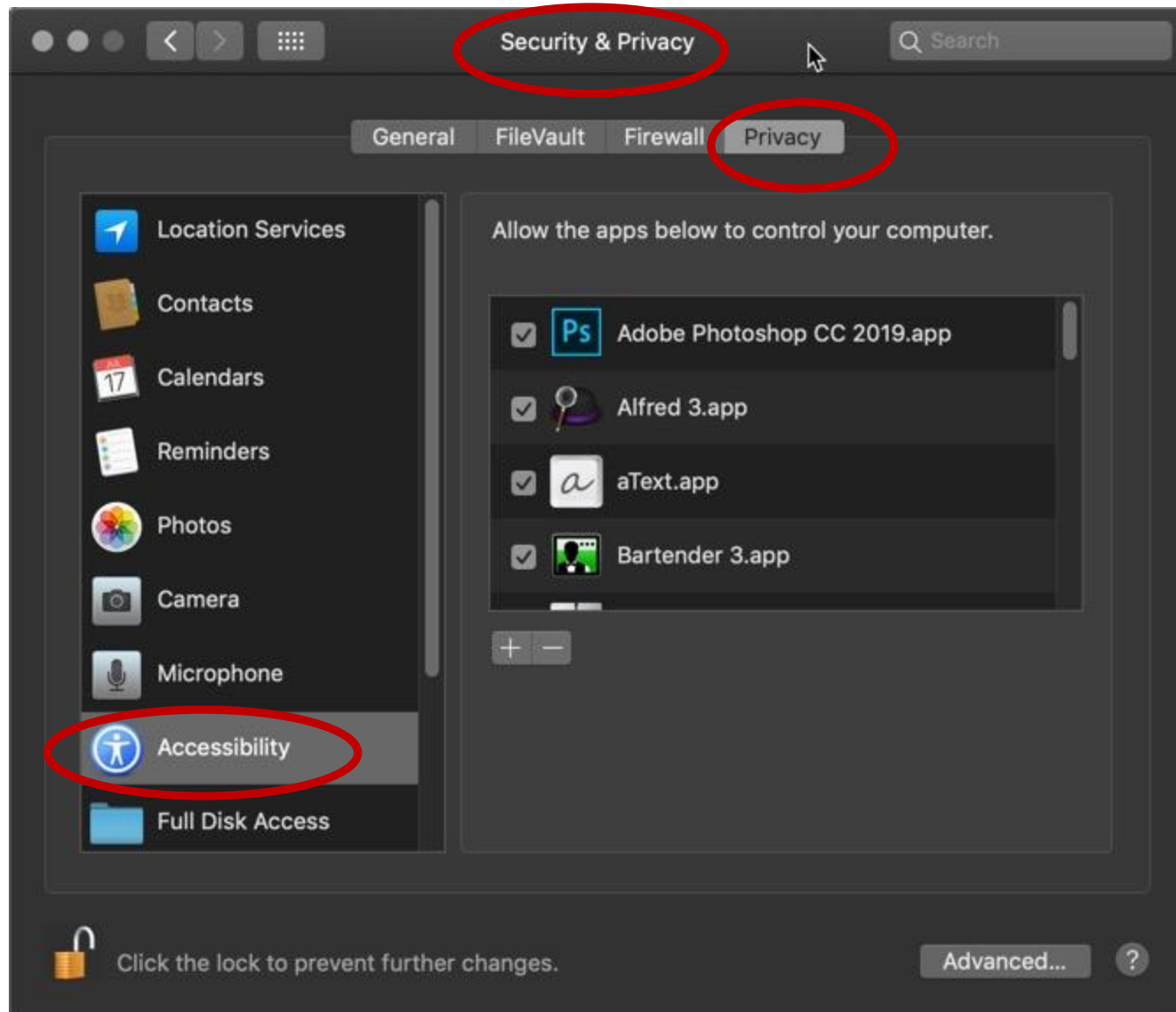
## **BOME SOFTWARE INSTALLATION:**

1. Download and install the BOME trial from  
<https://www.bome.com/products/miditranslator#downloads>

## **MAC-OS SECURITY ENABLE (see page 40 of the BOME manual):**

1. **macOS 10.9** and later:
  1. System Preferences → Security & Privacy → Privacy → Accessibility -> Add "BOME"
2. **macOS 10.8** and earlier:
  1. System Preferences → Universal Access → check 'access for assistive devices'
3. **More info:** <https://www.maketecheasier.com/macOS-security-privacy-permissions/>

## macOS security:



# Step #2

**MAP FOR BOME: INSTALLATION**

*do not skip any step!*

## PRELIMINARIES:

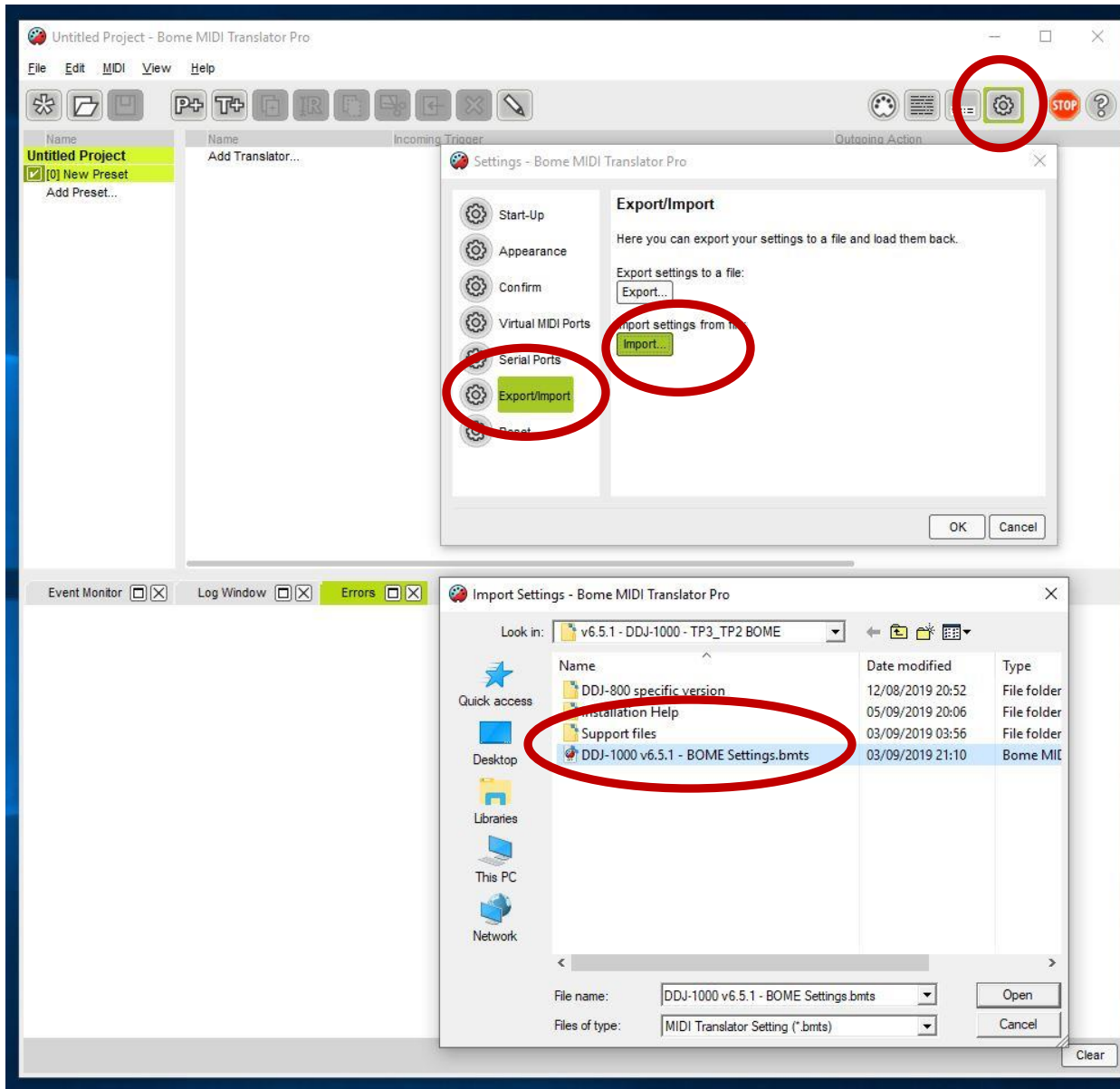
1. Stop Rekordbox
2. Stop Traktor
3. Expand all files in the zip file
4. Connect the USB cable
5. Turn on your DDJ-1000

## INSTALLING BOME MAPPING:

1. Open BOME. DO NOT RUN TRAKTOR!
2. Settings: Import the settings file
  1. Method: menu View; settings; export/import; import; select BMTS file
3. Mapping: load the mapping file
  1. Method: Click menu File; Open; select BMTP file
4. Do not mix up the Settings file with the Mapping file!

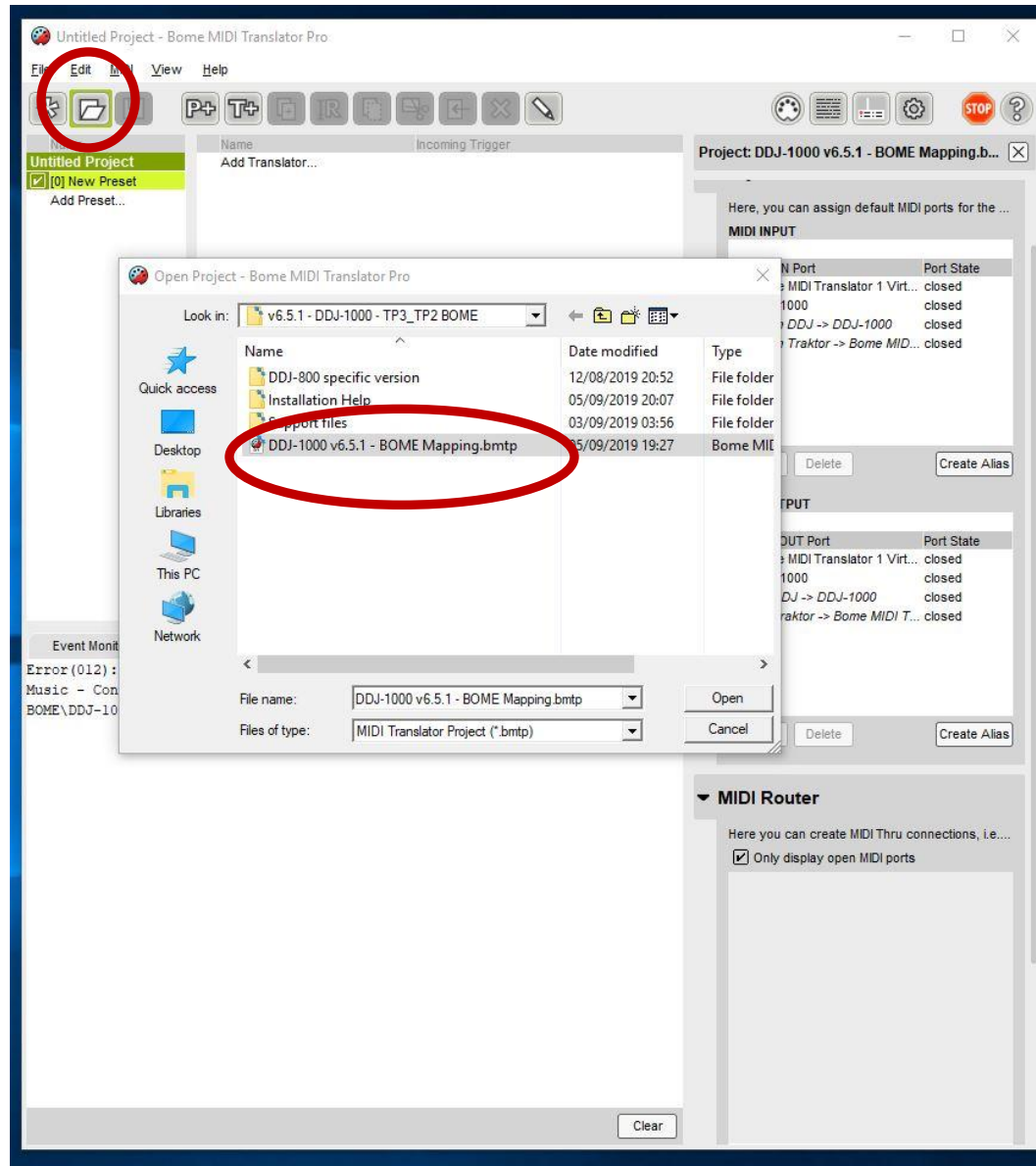


# BOME: import settings file (BMTS file)

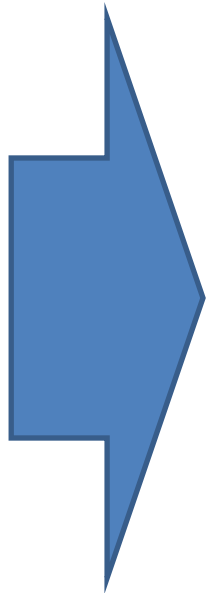




# BOME: import mapping file (BMTP file)



## BOME: Aliases



Select MIDI Devices - Bome MIDI Translat... X

Please select the MIDI devices:

**Traktor:**

INPUT: Bome MIDI Translator 1 Virtual In ▼

OUTPUT: Bome MIDI Translator 1 Virtual Out ▼

**DDJ:**

INPUT: DDJ-1000 ▼

OUTPUT: DDJ-1000 ▼

OK Cancel

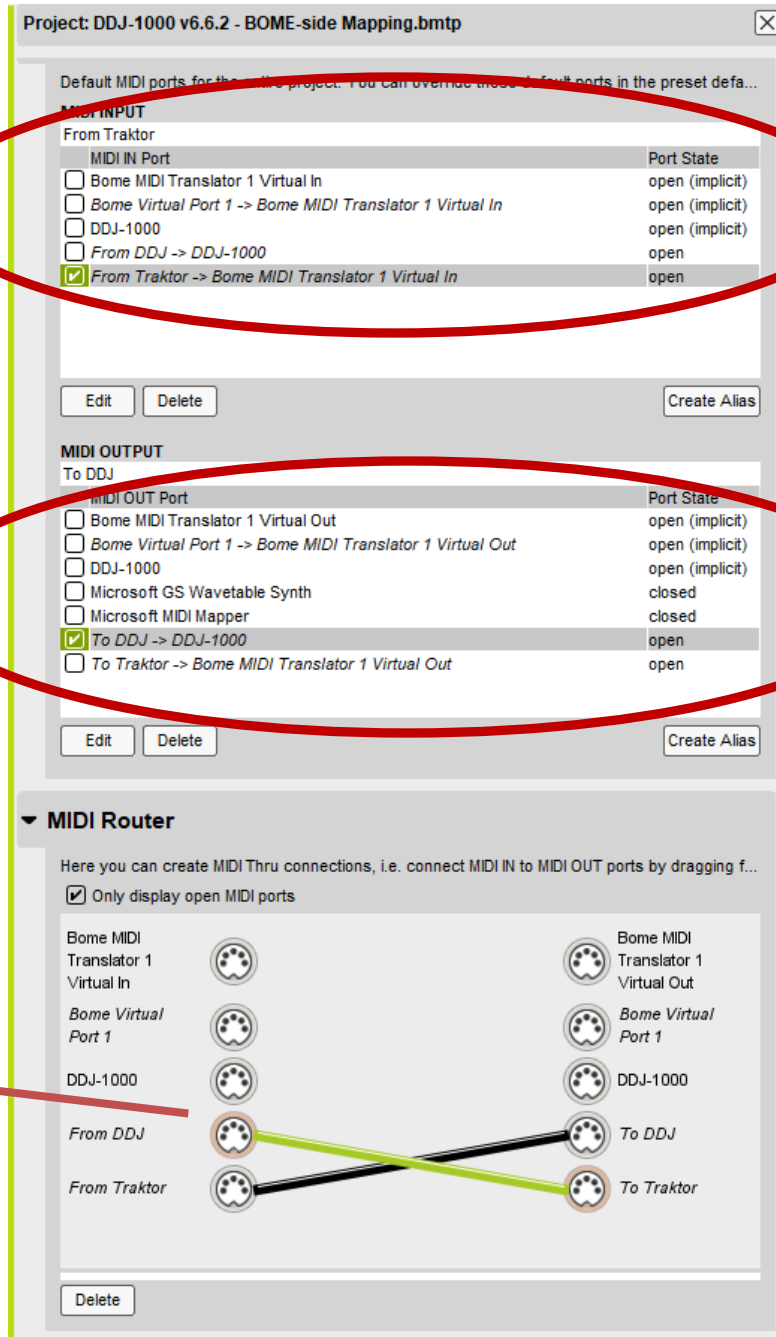
# BOME: Devices

Confirm the devices are OPEN!

Ensure ONLY these 2x options are checked:

- "From Traktor" -> device 1 in OPEN
- "to DDJ" -> DDJ-1000 OPEN

Confirm it looks EXACTLY like on the picture



Confirm this "cross" on EXACTLY these aliases

# Step #3

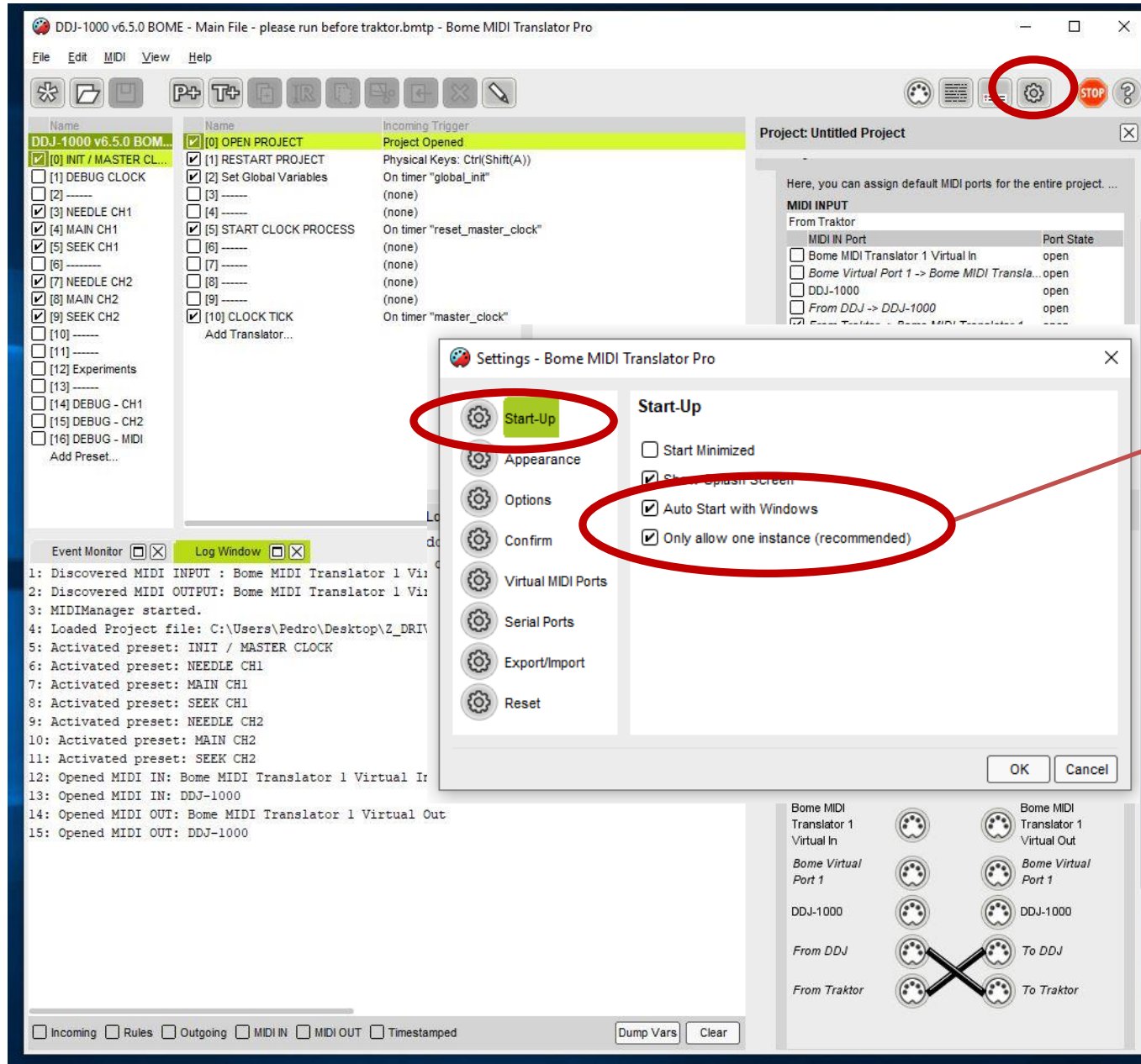
**MAP FOR BOM: VERIFICATION**

*do not skip any step!*

## **BOME VERIFICATION STEPS:**

1. Confirm the “Bome MIDI Translator 1” device is created (longformat)
  1. Method: menu View ; settings ; virtual midi ports ; 1 port; long port names
2. Confirm the 4x midi ports were opened correctly
  1. Method: Click log window; check log
3. Confirm that the Controller talks to BOME
  1. Method: Click log window; click “MIDI-IN/OUT”; Press any button on the controller; confirm they appear in the log file; unclick “MIDI-IN/OUT”
4. Confirm that the BOME clock is running
  1. Method: Click log window; click “rules”; see a lot of messages appearing
  2. unclick “rules” to stop loggin
5. Minimize BOME to keep it running

# BOME settings: auto start with windows



Auto start with Windows!

# BOME settings: long port name device

DDJ-1000 v6.5.0 BOME - Main File - please run before traktor.bmtmp - Bome MIDI Translator Pro

File Edit MIDI View Help

Project: Untitled Project

Here, you can assign default MIDI ports for the entire project. ...

MIDI INPUT

From Traktor

Port State

Port Name	Port State
Virtual In	open
Bome MIDI Transla...	open
1000	open
me MIDI Translator 1 ...	open

Create Alias

Settings - Bome MIDI Translator Pro

Start-Up

Appearance

Options

Confirm

**Virtual MIDI Ports**

Serial Ports

Export/Import

Reset

Virtual MIDI Ports

Here you can create virtual MIDI ports that you can use to send MIDI messages directly to other MIDI applications, and receive MIDI messages from other applications. Select the number of virtual ports you need.

Number of virtual ports:

1 Port

Naming of the virtual ports:

☒ Long port names (e.g. "Bome MIDI Translator 1")

☐ Short port names (e.g. "BMT 1")

When loading a project file with virtual ports:

☒ Adjust the number of virtual ports

☐ Do not prompt for adjusting the number of virtual ports

OK Cancel

Event Monitor

1: Discovered MIDI INP

2: Discovered MIDI OUT

3: MIDIManager started

4: Loaded Project file

5: Activated preset: I

6: Activated preset: N

7: Activated preset: M

8: Activated preset: S

9: Activated preset: N

10: Activated preset: main Ch2

11: Activated preset: SEEK CH2

12: Opened MIDI IN: Bome MIDI Translator 1 Virtual In

13: Opened MIDI IN: DDJ-1000

14: Opened MIDI OUT: Bome MIDI Translator 1 Virtual Out

15: Opened MIDI OUT: DDJ-1000

Here you can create MIDI Thru connections, i.e. connect MIDI I...

☒ Only display open MIDI ports

Bome MIDI Translator 1 Virtual In

Bome MIDI Translator 1 Virtual Out

Bome Virtual Port 1

Bome Virtual Port 1

DDJ-1000

DDJ-1000

From DDJ

To DDJ

From Traktor

To Traktor

Long port names!



# BOME: Correct startup log

The screenshot displays the DDJ-1000 v6.5.0 BOME software interface. The main window is titled "DDJ-1000 v6.5.0 BOME - Main File - please run before t...". The interface includes a menu bar (File, Edit, MIDI, View, Help), a toolbar, and a central area with two panels: "Name" and "Value".

**Left Panel (Name):**

- ☒ [0] INIT / MASTER CL...
- ☐ [1] DEBUG CLOCK
- ☐ [2] -----
- ☒ [3] NEEDLE CH1
- ☒ [4] MAIN CH1
- ☒ [5] SEEK CH1
- ☐ [6] -----
- ☒ [7] NEEDLE CH2
- ☒ [8] MAIN CH2
- ☒ [9] SEEK CH2
- ☐ [10] -----
- ☐ [11] -----
- ☐ [12] Experiments
- ☐ [13] -----
- ☐ [14] DEBUG - CH1
- ☐ [15] DEBUG - CH2
- ☐ [16] DEBUG - MIDI
- Add Preset...

**Right Panel (Value):**

- ☒ [0] OPEN PROJECT
- ☒ [1] RESTART PROJECT
- ☒ [2] Set Global Variables
- ☐ [3] -----
- ☐ [4] -----
- ☒ [5] START CLOCK PROCESS
- ☐ [6] -----
- ☐ [7] -----
- ☐ [8] -----
- ☐ [9] -----
- ☒ [10] CLOCK TICK
- Add Translator...

**Event Monitor:**

1: Discovered MIDI IN: Bome MIDI Translator 1 Virtual In,DDJ-1000  
2: Discovered MIDI OUTPUT: Bome MIDI Translator 1 Virtual Out,DDJ-1000,Microsoft GS Wavetable  
3: MIDIManager started.  
4: Loaded Project file: C:\Users\Pedro\Desktop\Z\_DRIVE\_Pedro\2 Music - Controllers\0\_MAPS\_Trak  
5: Activated preset: INIT / MASTER CLOCK  
6: Activated preset: NEEDLE CH1  
7: Activated preset: MAIN CH1  
8: Activated preset: SEEK CH1  
9: Activated preset: NEEDLE CH2  
10: Activated preset: MAIN CH2  
11: Activated preset: SEEK CH2  
12: Opened MIDI IN: Bome MIDI Translator 1 Virtual In  
13: Opened MIDI IN: DDJ-1000  
14: Opened MIDI OUT: Bome MIDI Translator 1 Virtual Out  
15: Opened MIDI OUT: DDJ-1000

**MIDI Router:**

Here you can create MIDI Thru connections, i.e. connect MIDI I...

☒ Only display open MIDI ports

Bome MIDI Translator 1 Virtual In, Bome MIDI Translator 1 Virtual Out, Bome Virtual Port 1, DDJ-1000, From DDJ, To DDJ, From Traktor, To Traktor

**Project: Untitled Project**

Here, you can assign default MIDI ports for the entire project. ...

**MIDI INPUT**

From Traktor

MIDI IN Port	Port State
Bome MIDI Translator 1 Virtual In	open
Bome Virtual Port 1 -> Bome MIDI Transla...	open
DDJ-1000	open
From DDJ -> DDJ-1000	open
From Traktor -> Bome MIDI Translator 1 ...	open

**MIDI OUTPUT**

To DDJ

MIDI OUT Port	Port State
Bome MIDI Translator 1 Virtual Out	open
Bome Virtual Port 1 -> Bome MIDI Transla...	open
DDJ-1000	open
Microsoft GS Wavetable Synth	closed
Microsoft MIDI Mapper	closed
To DDJ -> DDJ-1000	open
To Traktor -> Bome MIDI Translator 1 Virt...	open

**Log Window:**

4x messages here!

Do not change this!

Default is ONLY

- "From Traktor" OPEN
- "to DDJ" OPEN

confirm devices are OPEN!

Do not change this "cross"!



## BOME: confirm DDJ talks to BOME

The screenshot shows a MIDI debugging interface with two main windows: 'Event Monitor' and 'Log Window'. The 'Log Window' is active and displays the following log entries:

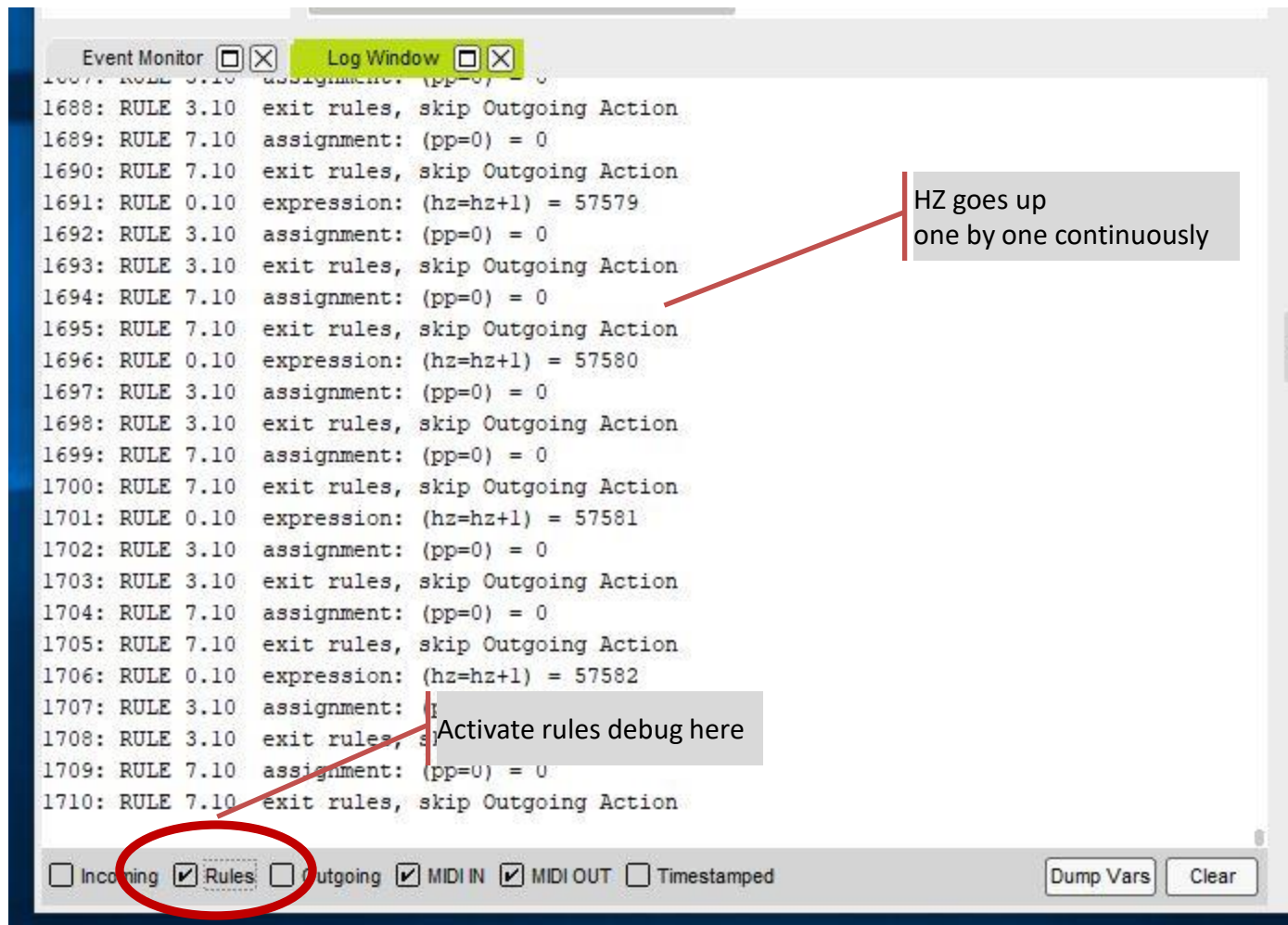
- 1: MIDI IN [DDJ-1000]: 93 0C 7F
- 2: MIDI OUT [Bome MIDI Translator 1 Virtual Out]: 93 0C 7F
- 3: MIDI IN [DDJ-1000]: 93 0C 00
- 4: MIDI OUT [Bome MIDI Translator 1 Virtual Out]: 93 0C 00

At the bottom of the interface, there are checkboxes for 'Incoming', 'Rules', 'Outgoing', 'MIDI IN', 'MIDI OUT', and 'Timestamped'. The 'MIDI IN' and 'MIDI OUT' checkboxes are selected. To the right of these checkboxes are buttons for 'Dump Vars' and 'Clear'.

Annotations in the image include:

- A red circle around the 'Log Window' title bar.
- A red circle around the 'MIDI IN' and 'MIDI OUT' checkboxes.
- A red line pointing from the text 'Pressing and releasing any button generates 4 log lines. This is always in the DDJ->BMT1 direction' to the first two log entries.
- A red line pointing from the text 'Activate MIDI debug here' to the 'MIDI IN' and 'MIDI OUT' checkboxes.

## BOME: confirm internal clock



(Please click “rules” again to stop the logging)



# Step #4

**MAP FOR TRAKTOR: INSTALLATION**

*do not skip any step!*

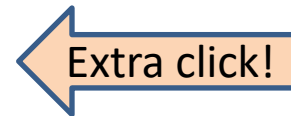
## CREATE A BACKUP:

1. Note: the mapping replaces a lot of your settings. In any cases, Traktor always makes automatic backups in “Root\_Dir\Backup\Settings”

1. Open Traktor
2. Click Settings
3. Click big “export button” on lower left corner
4. Ensure all settings are clicked
5. Save the file

## INSTALL TRAKTOR MAPPING:

1. Click Settings
2. Click big “import button” on lower left corner
3. Accept all checks; PLUS additionally click the “Audio device settings”



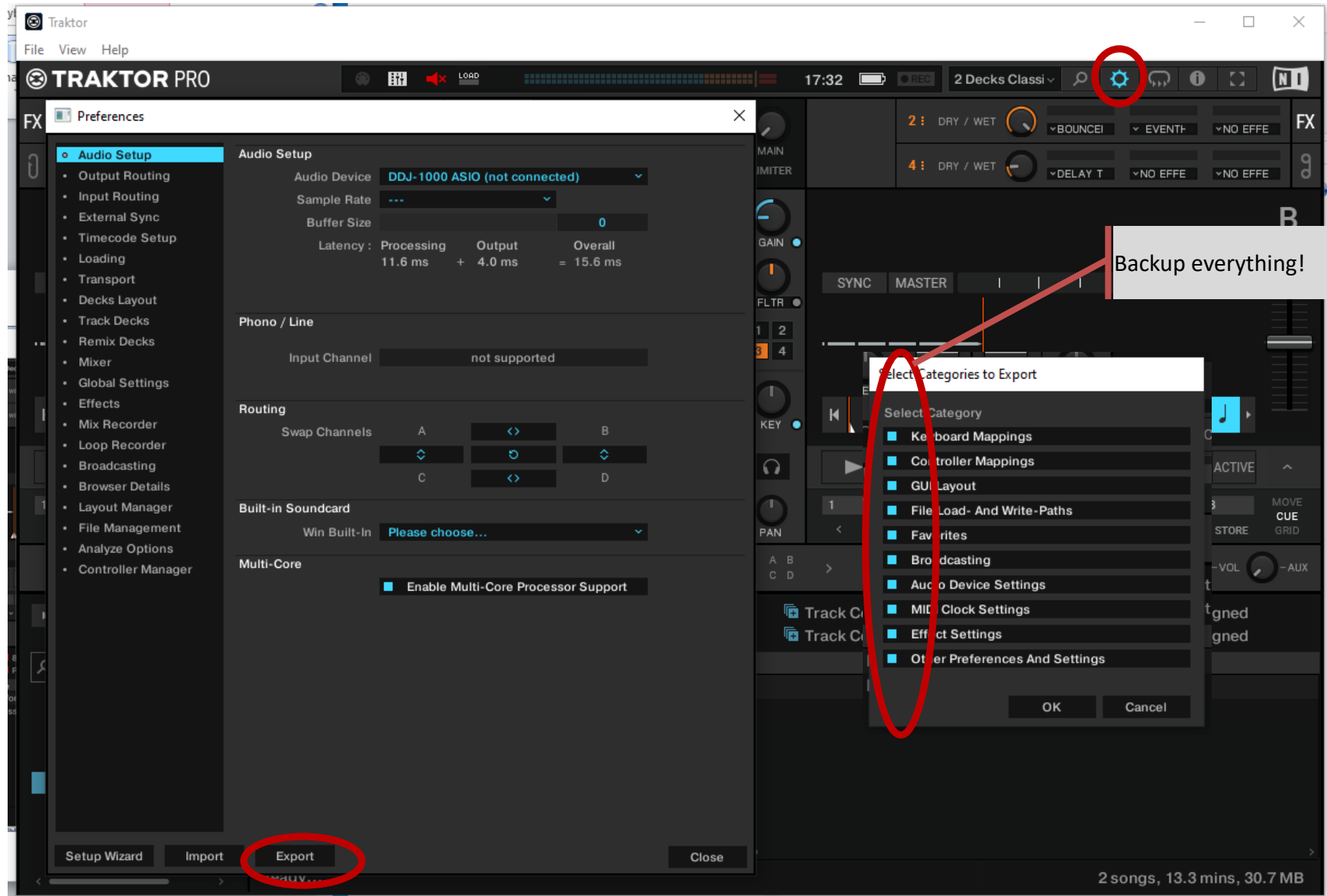
## INSTALL TRAKTOR MAPPING (second time):

1. Repeat above process a second time. This is only to avoid a Traktor bug that gets the FX list wrong.

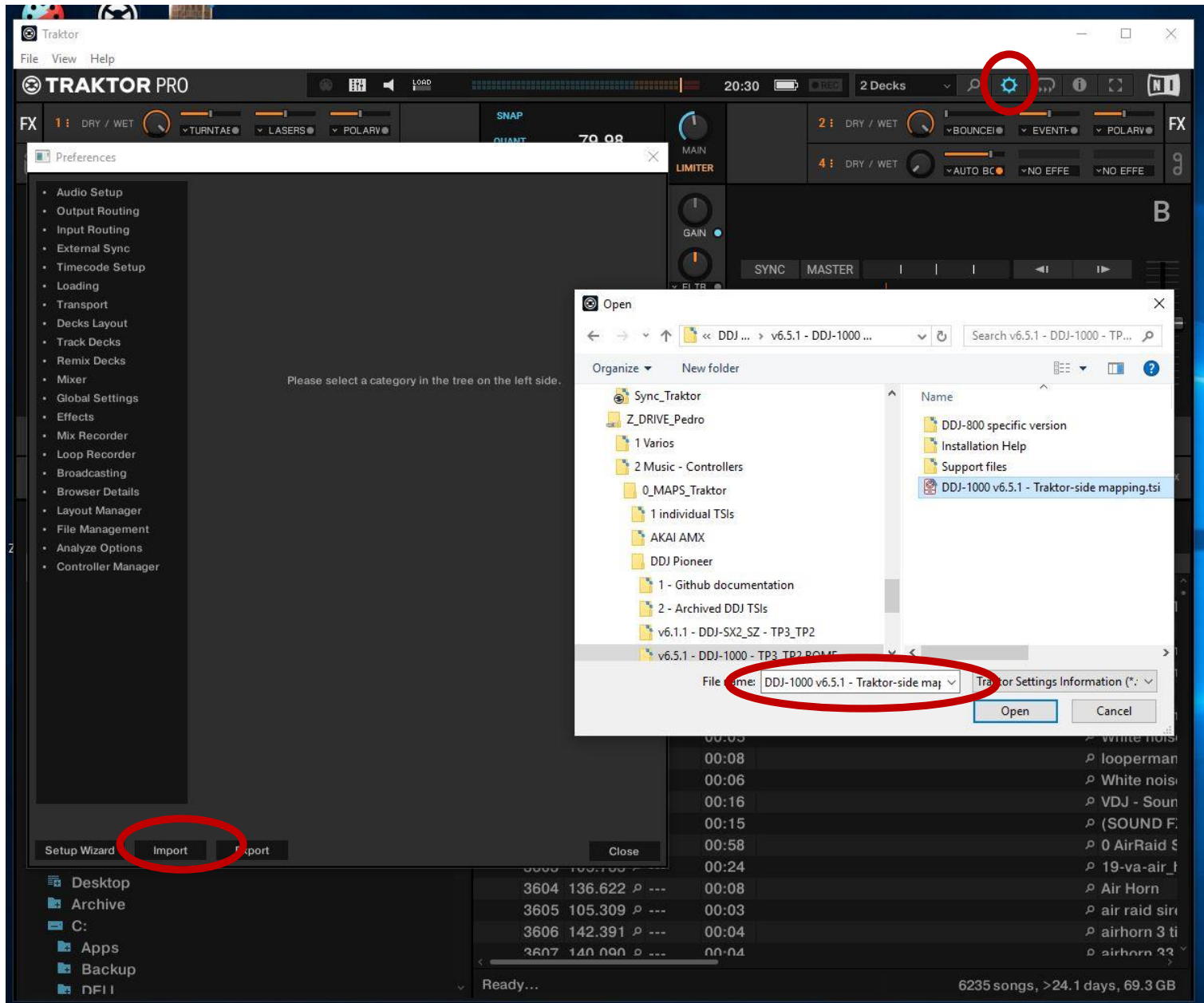
## MAC-OS AUDIO OUTPUT ROUTING:

1. Set preferences / Output Routing / Internal to: 2 / 3 / 0 / 1

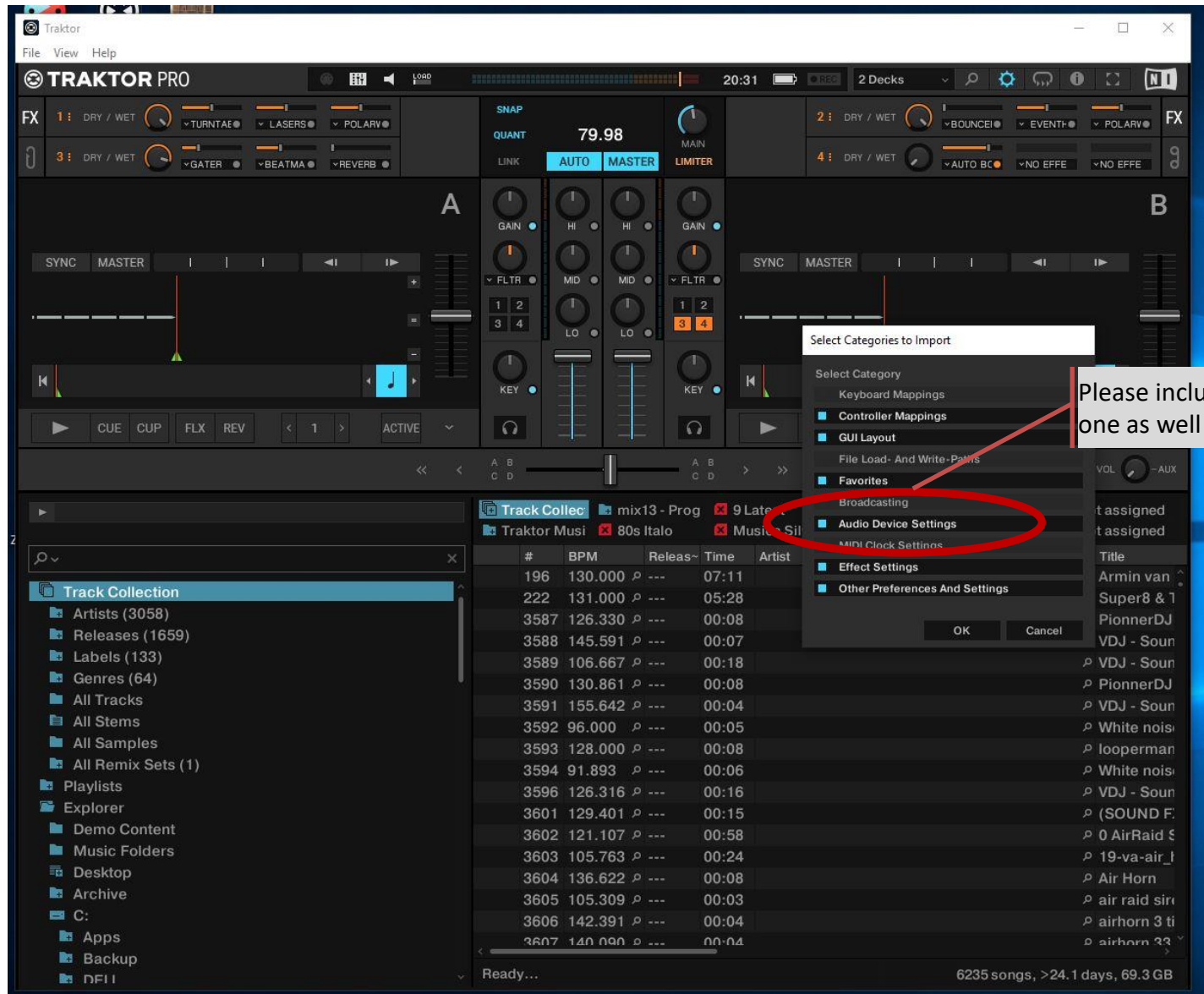
# TRAKTOR: create backup of your settings



# TRAKTOR: import mapping

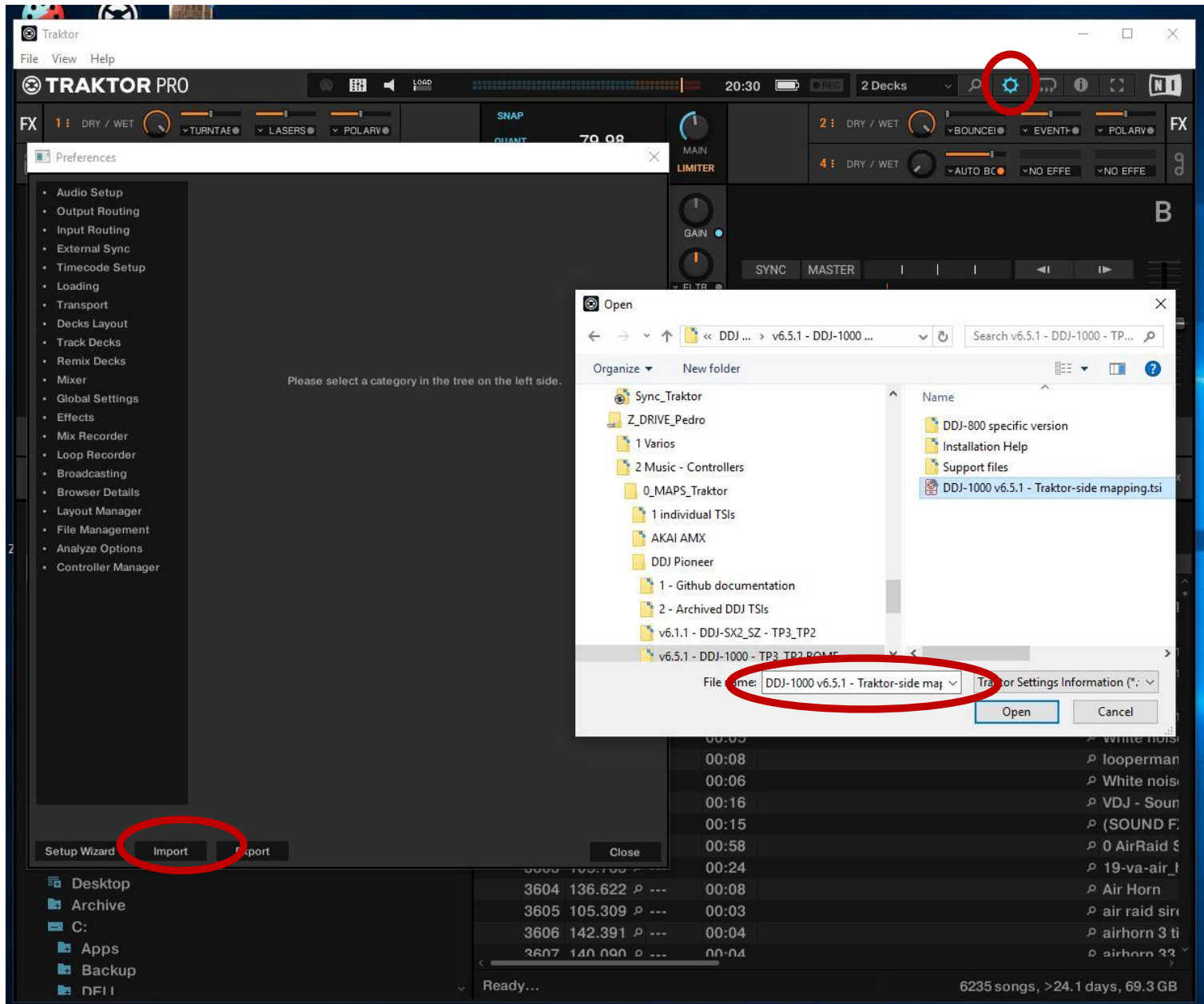


# TRAKTOR: click audio device config





# TRAKTOR: import mapping (second time)





# Step #5

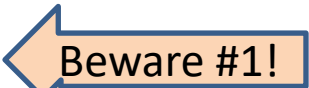
**MAP FOR TRAKTOR: VERIFICATION**

*do not skip any step!*

## TRAKTOR VERIFICATION:

*Note: the Preferences window is now quite slow to open. This is another Traktor bug.*

1. Confirm the audio device is “DDJ-1000 ASIO”
  1. Method: Settings ; audio setup ; confirm audio device
2. Confirm the Output routing
  1. Method: Settings ; output routing; confirm “internal”; confirm “3 / 4 / 1 / 2”
3. Confirm that all 6x pages have exactly “Bome Midi Translator1”
  1. Method: Settings; controller manager; click each of the 6x pages one-by-one; check IN and OUT port
  2. **DO NOT CHANGE TO DDJ-1000 in the controller manager!!!**
  3. **DO NOT FORGET TO CONFIRM *ALL* 6x PAGES!**
4. Verify that sound is played
  1. Method: Load a track; click Cue and play/pause repeatedly
  2. Use shift+quantize to send a reset command to BOME
5. Verify that BOME sees all the messages
  1. Method: open the bome window; click the “CUE” button; verify that the BOME log displays at least 8x log lines per human click

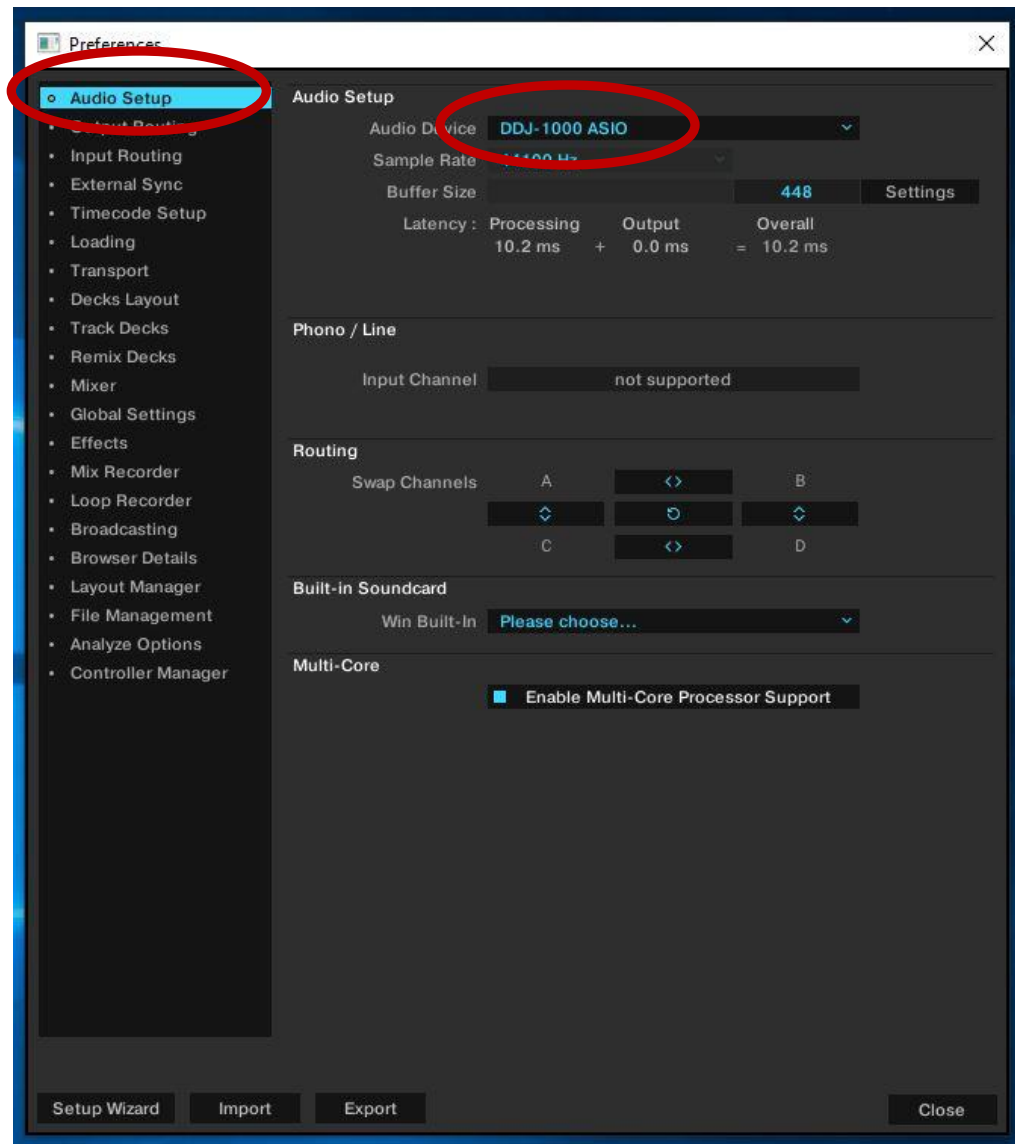


Beware #1!



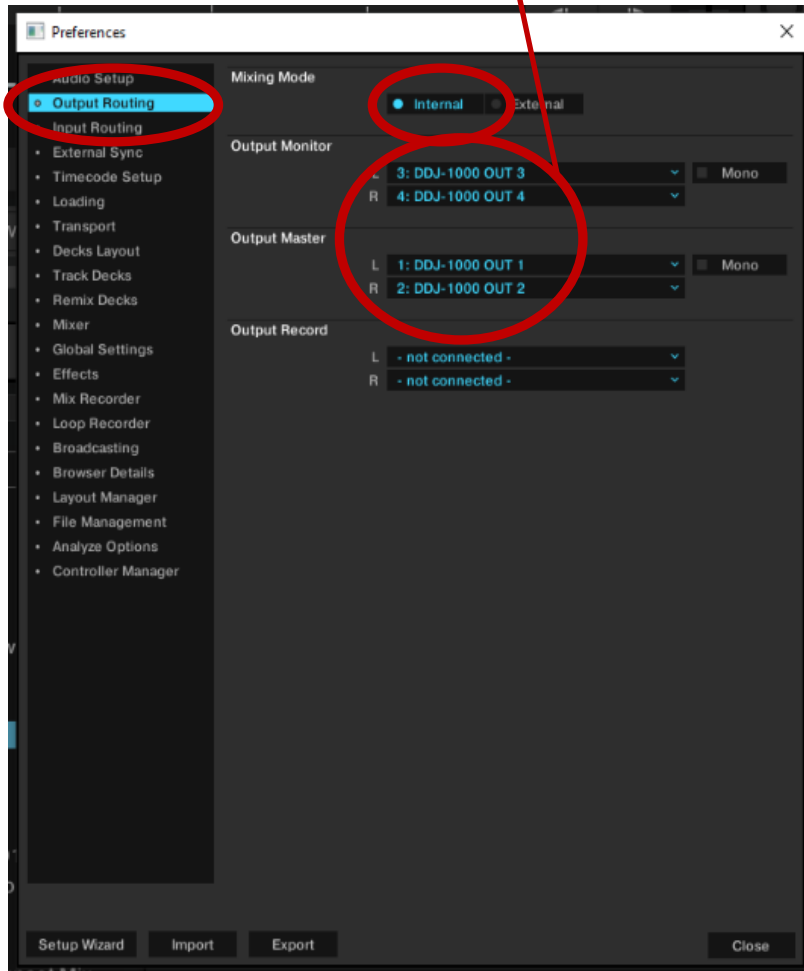
Beware #2!

## TRAKTOR: check audio device

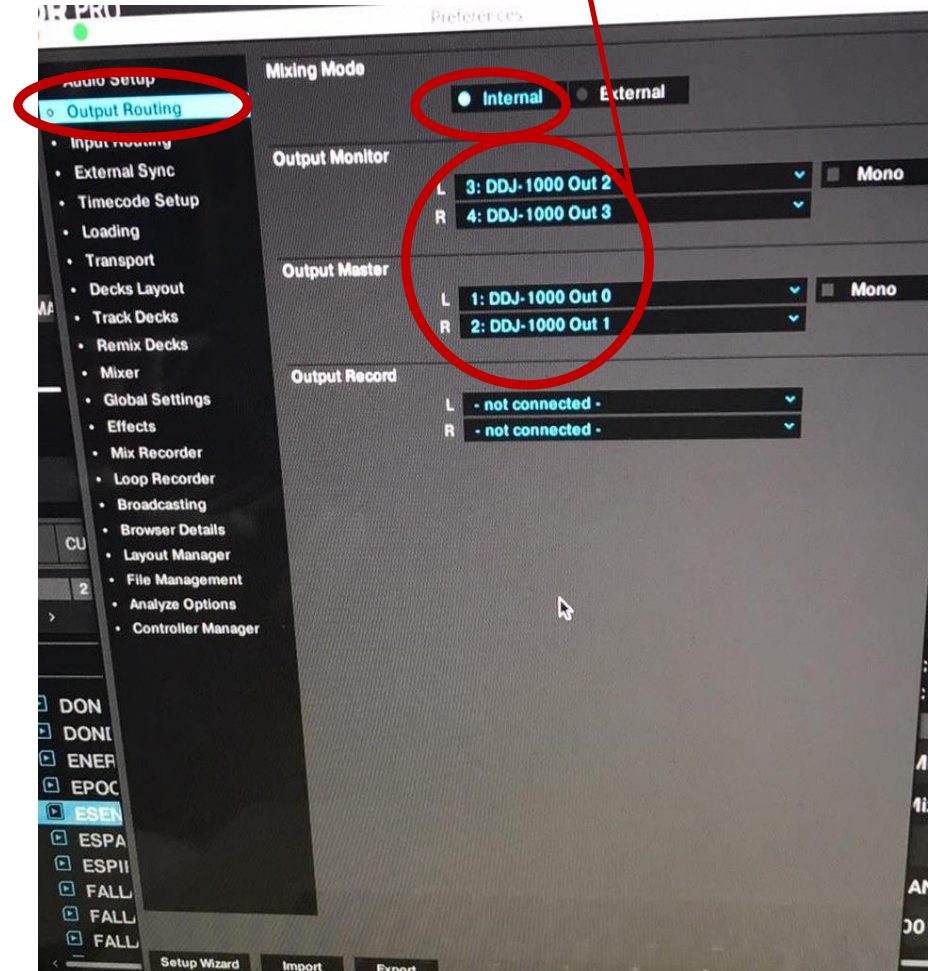


# TRAKTOR: check output routing

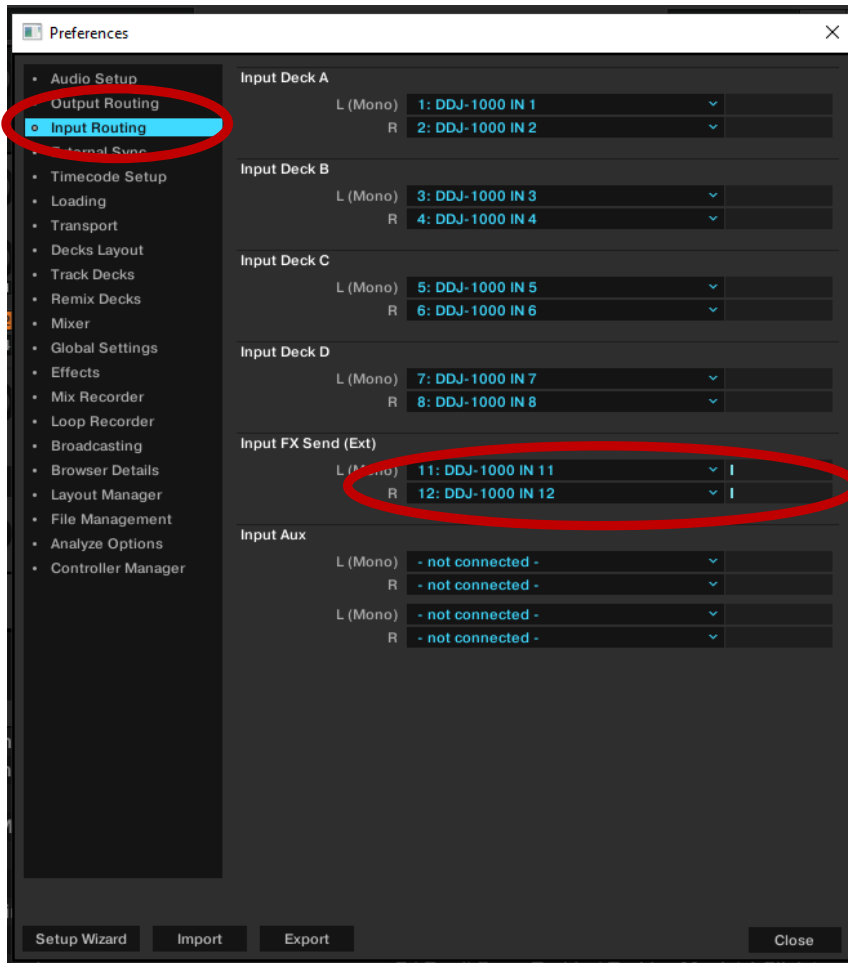
Windows: channels are  
3 / 4 / 1 / 2



Windows: channels are  
2 / 3 / 0 / 1



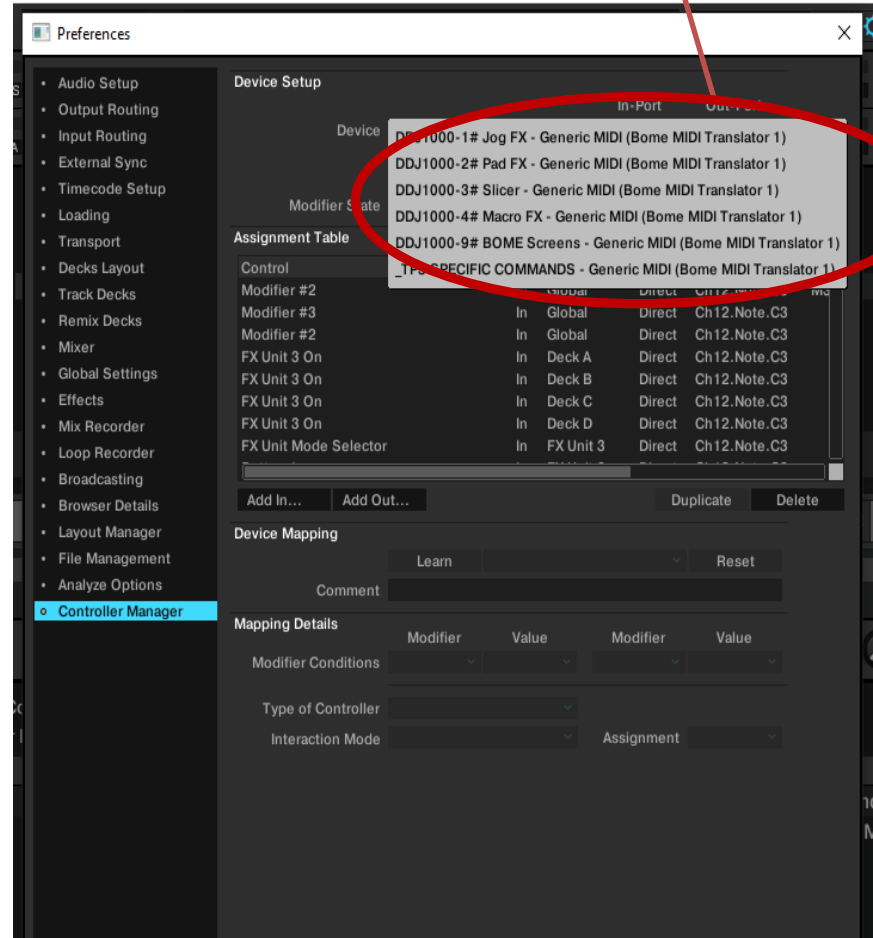
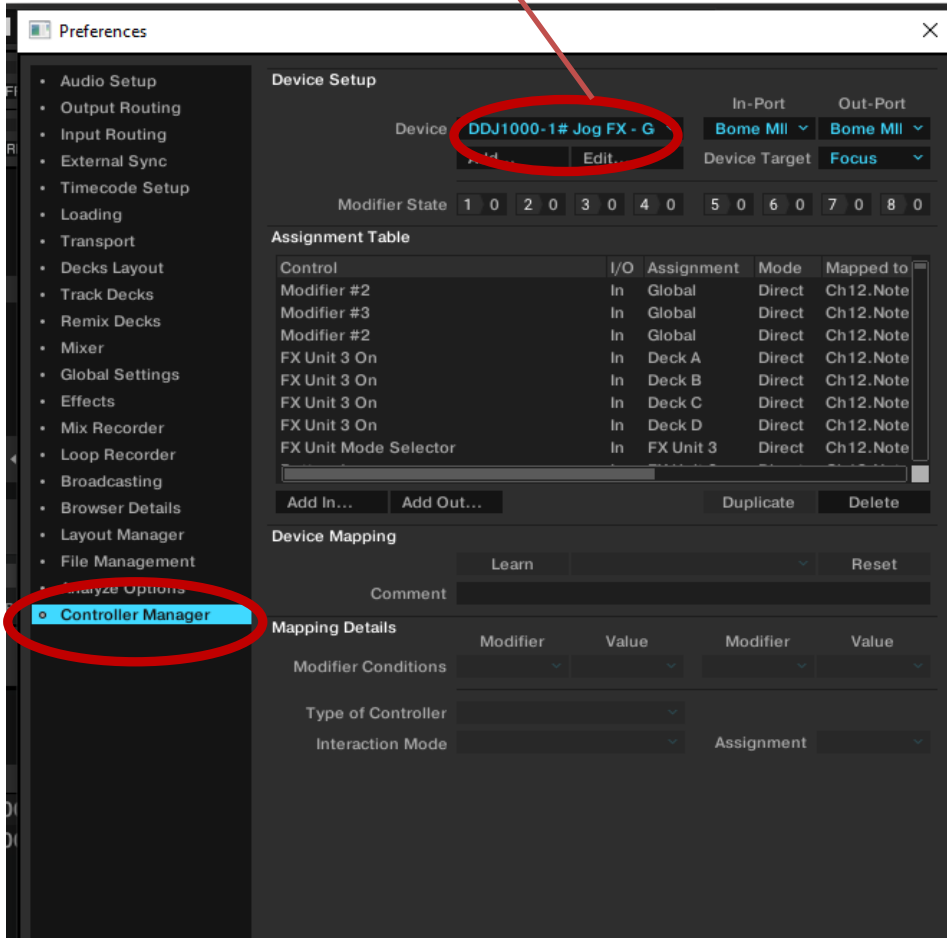
# TRAKTOR: recording settings



# TRAKTOR: check MIDI device is long format

first click here

Both IN and OUT = Long format  
For ALL 6 PAGES!



## BOME: confirm bidirectional flow

Event Monitor ☐ ☒ Log Window ☐ ☒

```
1: MIDI IN [DDJ-1000]: 91 35 7F
2: MIDI OUT [Bome MIDI Translator 1 Virtual Out]: 91 35 7F
3: MIDI IN [Bome MIDI Translator 1 Virtual In]: 90 6A 00
4: MIDI OUT [DDJ-1000]: 90 6A 00
5: MIDI IN [Bome MIDI Translator 1 Virtual In]: 90 35 00
6: MIDI OUT [DDJ-1000]: 90 35 00
7: MIDI IN [Bome MIDI Translator 1 Virtual In]: 91 35 00
8: MIDI OUT [DDJ-1000]: 91 35 00
9: MIDI IN [Bome MIDI Translator 1 Virtual In]: 91 6A 00
10: MIDI OUT [DDJ-1000]: 91 6A 00
11: MIDI IN [Bome MIDI Translator 1 Virtual In]: 92 35 00
12: MIDI OUT [DDJ-1000]: 92 35 00
13: MIDI IN [Bome MIDI Translator 1 Virtual In]: 92 6A 00
14: MIDI OUT [DDJ-1000]: 92 6A 00
15: MIDI IN [Bome MIDI Translator 1 Virtual In]: 93 6A 00
16: MIDI OUT [DDJ-1000]: 93 6A 00
17: MIDI IN [Bome MIDI Translator 1 Virtual In]: 93 35 00
18: MIDI OUT [DDJ-1000]: 93 35 00
19: MIDI IN [DDJ-1000]: 91 35 00
20: MIDI OUT [Bome MIDI Translator 1 Virtual Out]: 91 35 00
```

☐ Incoming ☐ Rules ☐ Outgoing ☒ MIDI IN ☒ MIDI OUT ☐ Timestamped

Dump Vars Clear

Pressing and releasing any button generates at least 8x log lines.  
This is both in the DDJ->BMT1 direction and the BMT1->DDJ direction

Stop "rules" log

# Step #6

**PROPER START SEQUENCE**



## **PROPER START-UP SEQUENCE IF YOU HAVE PROBLEMS:**

0) Stop everything

1) Start Laptop

2) Start DDJ-1000

3) Start BOME

4) Start Traktor

# IF ITS STILL NOT WORKING #1

## Audio doesn't work:

*Re-confirm the DDJ-1000 is your audio device*

*Re-confirm output routing is 3/4/1/2 in windows and 2/3/0/1 in macOS*

*Re-confirm Rekordbox performance mode works.*

## Audio works - but MIDI doesn't :

*Re-confirm you have BOME in the macOS accessibility security*

*Re-confirm you have "Bome midi Translator 1" on all 6x pages in Traktor*

## MIDI works but jog screens / Leds doesn't :

*Reset the jog Screens using shift+quantize*

*Start components in this order: #1 Laptop #2 DDJ #3 BOME #4 Traktor*

# IF ITS STILL NOT WORKING #2

*Make a HD video of the verification steps, INCLUDING THE BOME LOG.  
Put your phone really close to the screen for me to read the small text!*

*Upload the video to <https://wetransfer.com> and send an email to  
[pedro.estrela@gmail.com](mailto:pedro.estrela@gmail.com)*

# ANNEXES

## DDJ-1000: forced MIDI mode

In my experience there is **no need** to set the unit to forced MIDI mode.

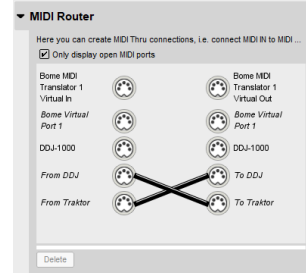
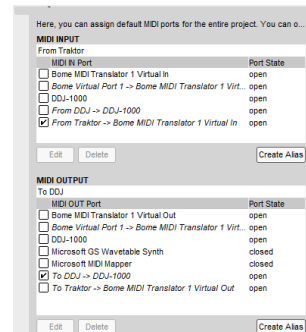
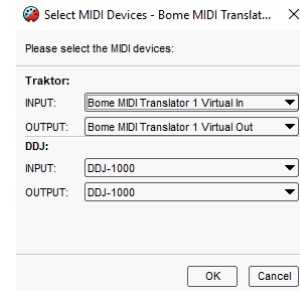
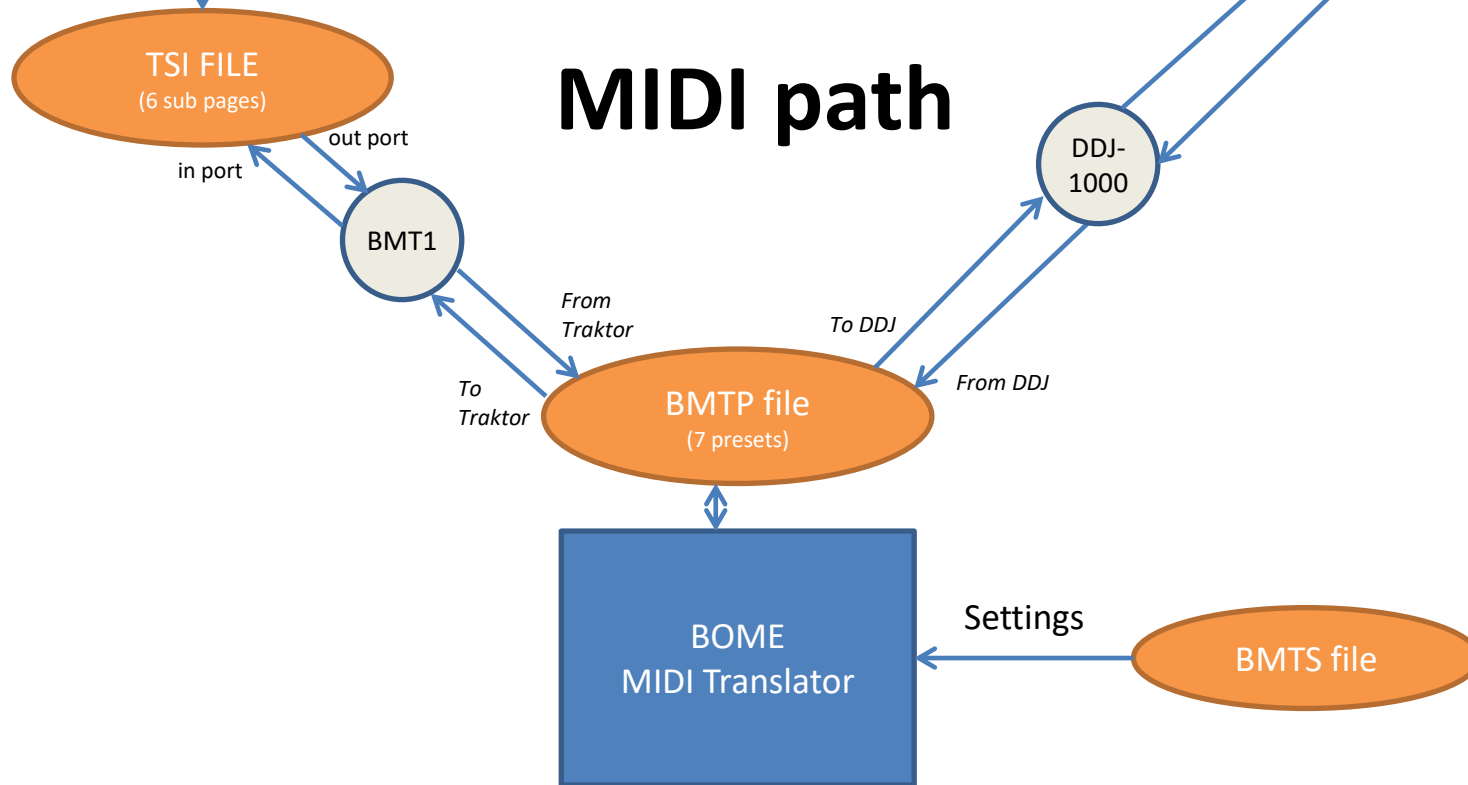
If this is ever necessary, instructions are on page 26 of the DDJ-1000 manual:

- no USB cable
- power off DDJ
- Press left play + left shift + turn on DDJ
- left Slip Reverse:
  - Off = auto mode
  - ON = forced mode
- Power off DDJ
- Power ON DDJ
- insert USB cable.

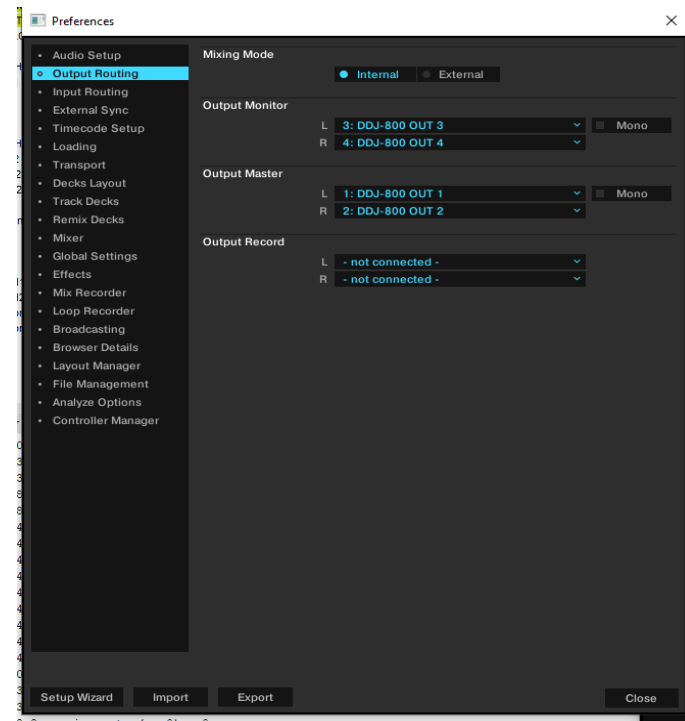
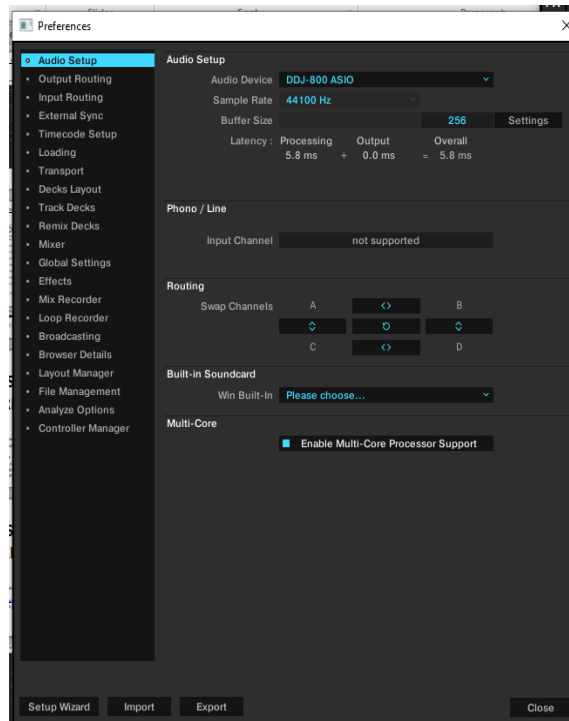
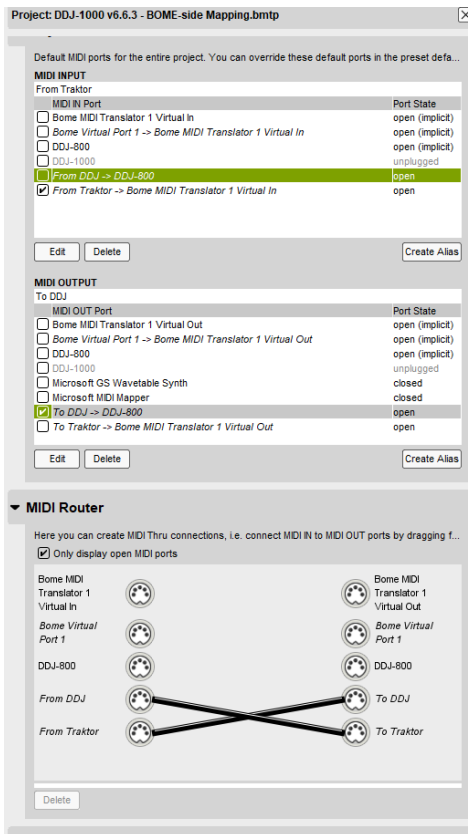
# AUDIO path



# MIDI path



# ANNEX: DDJ-800



# ANNEX: XDJ-XZ

**Project: XDJ-XZ v6.0.0 - BOME-side mapping.bmp**

**From Traktor**

- ☐ Bome MIDI Translator 1 Virtual In
- ☐ Bome Virtual Port 1 -> Bome MIDI Translator 1 Virtual In
- ☐ From DDJ 1 -> XDJ-XZ (1)
- ☐ From DDJ 2 -> XDJ-XZ (2)
- ☒ From Traktor -> Bome MIDI Translator 1 Virtual In
- ☐ XDJ-XZ (1)
- ☐ XDJ-XZ (2)

**MIDI OUTPUT**

To DDJ 2, To DDJ 1

**MIDI OUT Port**

- ☐ Bome MIDI Translator 1 Virtual Out
- ☐ Bome Virtual Port 1 -> Bome MIDI Translator 1 Virtual Out
- ☐ Microsoft GS Wavetable Synth
- ☐ Microsoft MIDI Mapper
- ☒ To DDJ 1 -> XDJ-XZ (1)
- ☒ To DDJ 2 -> XDJ-XZ (2)
- ☐ To Traktor -> Bome MIDI Translator 1 Virtual Out
- ☐ XDJ-XZ (1)
- ☐ XDJ-XZ (2)

**MIDI Router**

Here you can create MIDI Thru connections, i.e. connect MIDI IN to MIDI OUT ports by dragging fr...

☐ Only display open MIDI ports

**Connections:**

- Bome MIDI Translator 1 Virtual In to Bome MIDI Translator 1 Virtual Out
- Bome Virtual Port 1 to Bome MIDI Translator 1 Virtual Out
- From DDJ 1 to XDJ-XZ (1)
- From DDJ 2 to XDJ-XZ (2)
- From Traktor to Bome MIDI Translator 1 Virtual Out
- XDJ-XZ (1) to XDJ-XZ (1)
- XDJ-XZ (2) to XDJ-XZ (2)

**Preferences - Audio Setup**

**Audio Setup**

Device: **XDJ-XZ ASIO**

Sample Rate: 44100 Hz

Buffer Size: 256

Latency: 5.8 ms

Processing: 0.0 ms

Overall: 5.8 ms

**Output Routing**

Output Deck A: 1: XDJ-XZ OUT 1, 2: XDJ-XZ OUT 2

Output Deck B: 3: XDJ-XZ OUT 3, 4: XDJ-XZ OUT 4

Output Deck C: 5: XDJ-XZ OUT 5, 6: XDJ-XZ OUT 6

Output Deck D: 7: XDJ-XZ OUT 7, 8: XDJ-XZ OUT 8

Output Preview: L: not connected, R: not connected

Output FX Return: L: not connected, R: not connected

**Preferences - Device Setup**

**Device Setup**

Device: **XDJ-XZ #1 JIG-FX - Generic MIDI (Bome MIDI Translator 1)**

Assignment Table:

Control	In-Port	Out-Port
Mixer FX Selector	In Deck B	Direct Ch07 Note
Mixer FX Selector	In Deck A	Direct Ch08 Note
Mixer FX Selector	In Deck B	Direct Ch07 Note
Mixer FX Selector	In Deck A	Direct Ch08 Note
Mixer FX Selector	In Deck B	Direct Ch07 Note
Mixer FX Selector	In Deck A	Direct Ch08 Note

**Mapping Details**

Modifier Conditions: **Assign !**

Type of Controller: **Assign !**

Interaction Mode: **Assign !**

Assignment: **Deck A**

**Button Options**

Set to value: **HotCue 1**

☐ Incoming ☐ Rules ☐ Outgoing ☒ MIDI IN ☒ MIDI OUT ☐ Timestamped

**Terminal Log:**

```

795: MIDIManager stopped.
796: MIDIManager started.
797: Opened MIDI OUTPUT 'Bome MIDI Translator 1 Virtual Out'
798: Opened MIDI OUTPUT 'XDJ-XZ (2)'
799: Opened MIDI OUTPUT 'XDJ-XZ (1)'
800: Opened MIDI INPUT 'Bome MIDI Translator 1 Virtual In'
801: Opened MIDI INPUT 'XDJ-XZ (2)'
802: Opened MIDI INPUT 'XDJ-XZ (1)'
    
```