

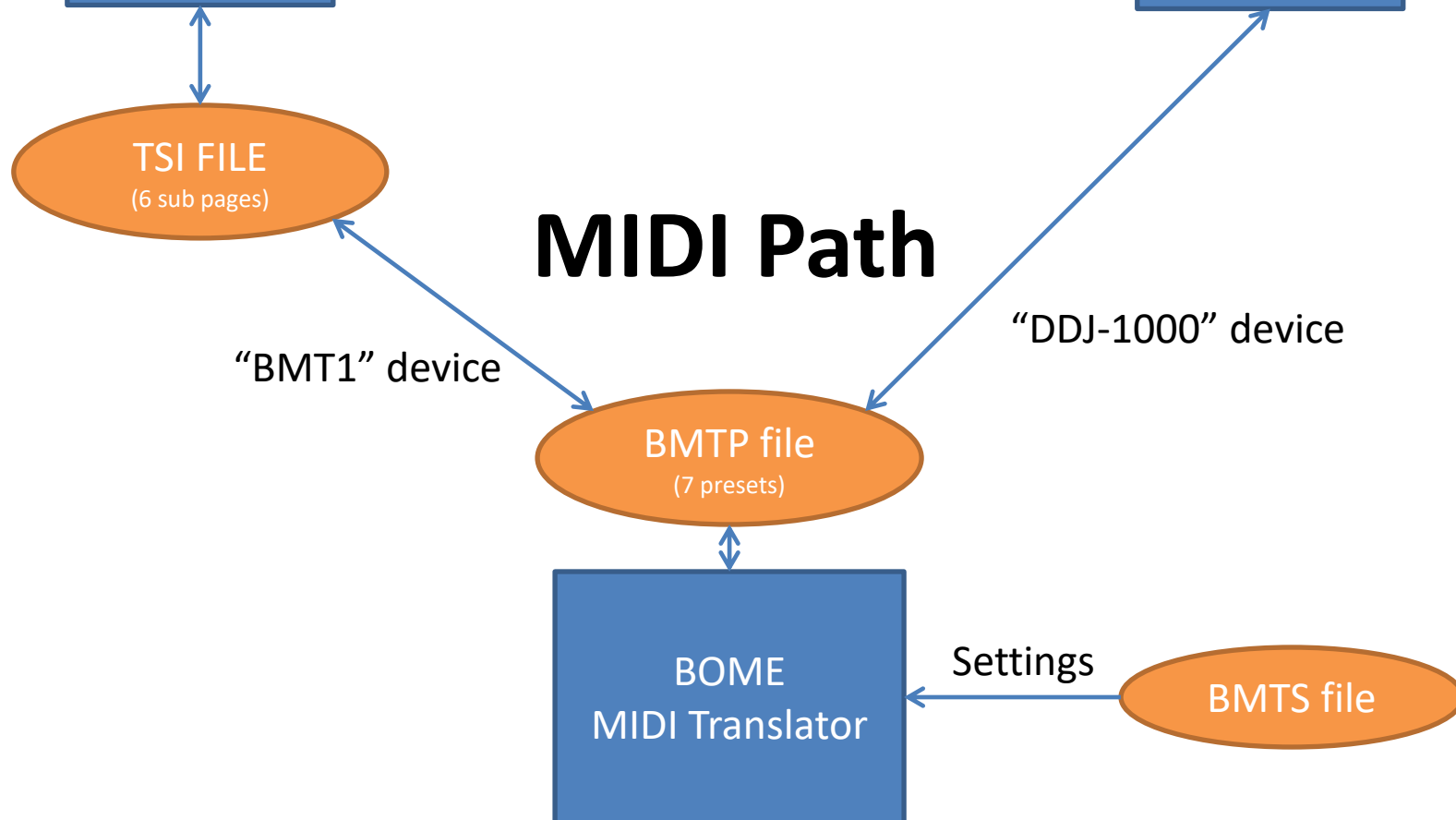
# DDJ-1000 mapping installation

*This work requires the BOME Midi translator Pro  
third-party software package. See also the FAQ file.*

# Audio Path



# MIDI Path



# **BOME-SIDE**

***do not skip any step!***

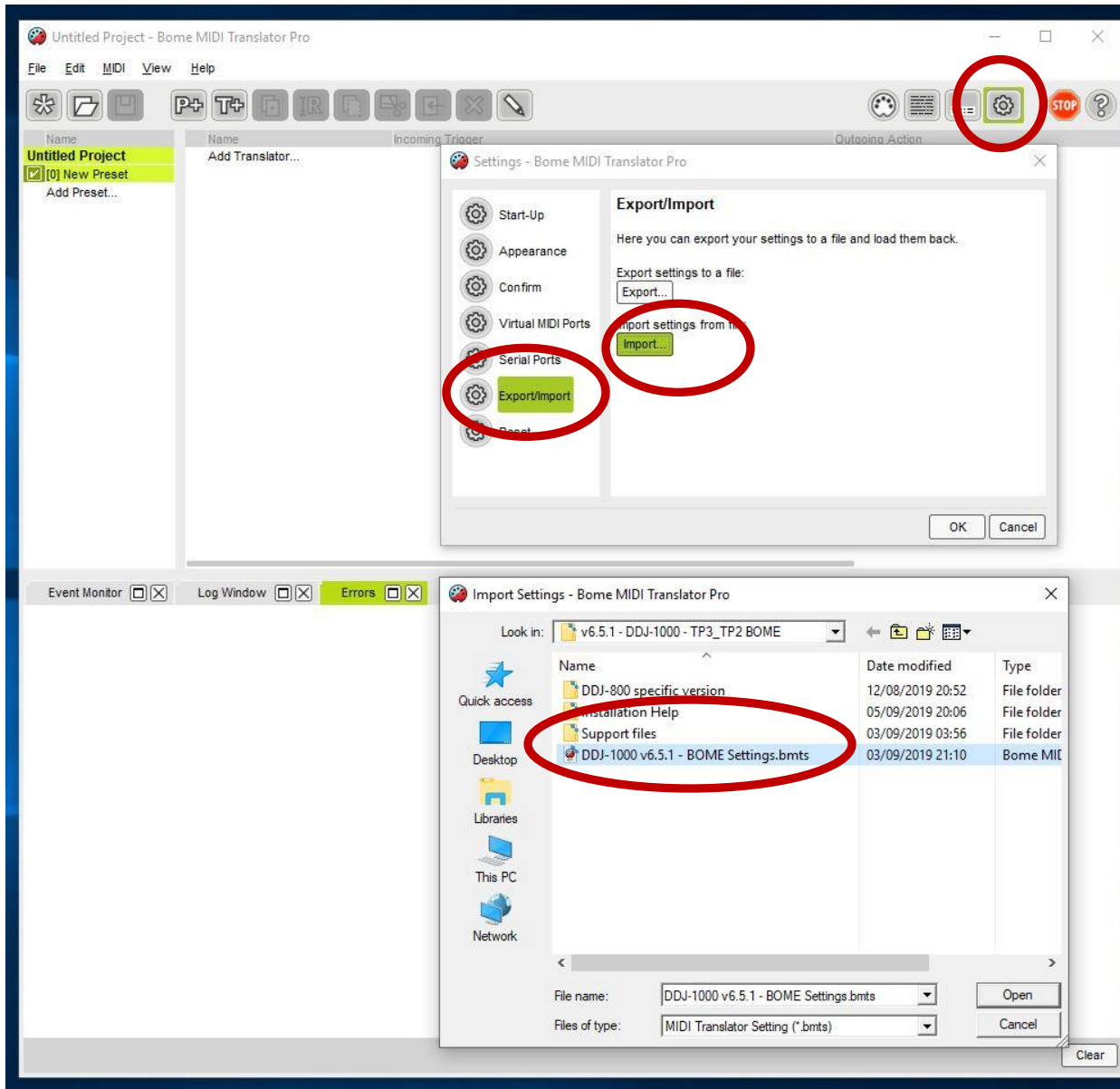
## **PRELIMINARIES:**

1. Stop Traktor
2. Expand all files in the zip file
3. Connect the USB cable
4. Turn on your DDJ-1000.
5. Download and Install the BOME trial from  
<https://www.bome.com/products/miditranslator#downloads>

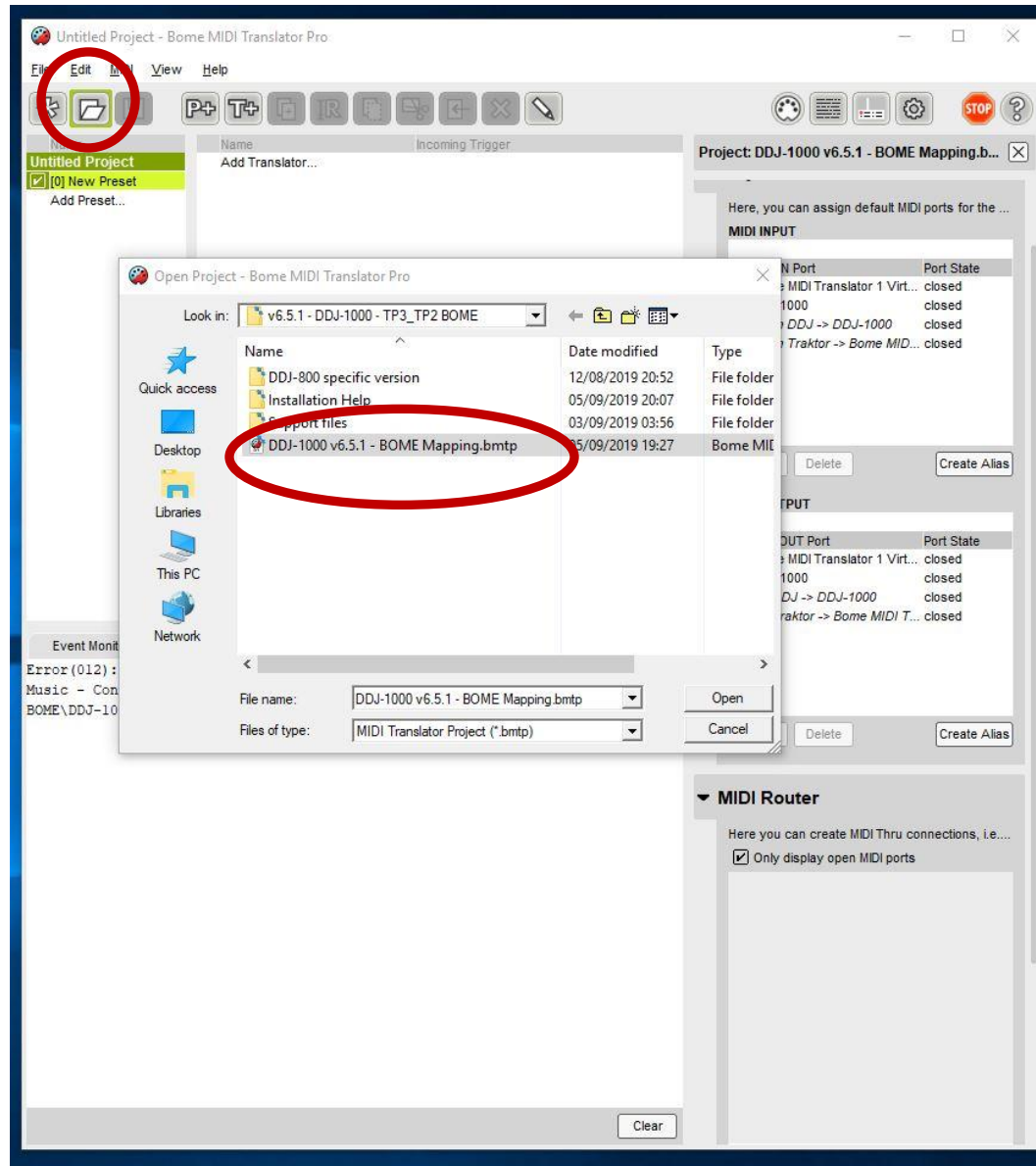
## **INSTALL BOME MAPPING:**

1. Open BOME. DO NOT RUN TRAKTOR.
2. Import the import the provided BOME settings file
  1. Method: Click menu View; settings; export/import; import; select BMTS file
3. Open the BOME mapping inside BOME
  1. Method: Click menu File; Open; select BMTP file

# BOME: import settings



# BOME: import mapping



## **BOME VERIFICATION:**

1. Confirm the BMT1 device is created (short format)
  1. Method: menu View ; settings ; virtual midi ports ; 1 port; shot port names
2. Confirm 4x midi ports are opened correctly
  1. Method: Click log window; check log
3. Confirm DDJ 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 the BOME clock is running
  1. Method: Click log window; click “rules”; see lots of messages flowing; unclick “rules”
5. Minimize BOME to keep it running

# BOME: device "BMT1"

The screenshot displays the BOME MIDI Translator Pro interface. The main window shows a list of MIDI input and output devices, including "DDJ-1000 v6.5.0 BOM...", "[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", and "[16] DEBUG - MIDI". The "Settings - Bome MIDI Translator Pro" dialog box is open, showing the "Virtual MIDI Ports" tab. The "Number of virtual ports" is set to "1 Port". The "Naming of the virtual ports" section has "Short port names (e.g. 'BMT 1')" selected. The "Project: Untitled Project" dialog box is also visible, showing the "MIDI INPUT" section with "From Traktor" and "MIDI IN Port" options. The "Short port names!" text is overlaid on the right side of the image.

DDJ-1000 v6.5.0 BOME - Main File - please run before traktor.bmt.p - 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

MIDI IN Port

Bome MIDI Translator 1 Virtual In open

Bome Virtual Port 1 -> Bome MIDI Transla... open

DDJ-1000 open

MIDI Translator 1 ... open

Create Alias

Short port names!

Virtual Out open

Bome MIDI Transla... open

Synth open

closed

closed

open

MIDI Translator 1 Virt... open

Create Alias

Settings - Bome MIDI Translator Pro

Start-Up

Appearance

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")

OK Cancel

Event Monitor Log W

1: Discovered MIDI INPUT :

2: Discovered MIDI OUTPUT:

3: MIDIManager started.

4: Loaded Project file: C:\V

5: Activated preset: INIT /

6: Activated preset: NEEDLE

7: Activated preset: MAIN C

8: Activated preset: SEEK C

9: Activated preset: NEEDLE

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

Incoming Rules Outgoing MIDI IN MIDI OUT Timestamped

Dump Vars Clear

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



# BOME: Correct startup log

The screenshot displays the BOME MIDI Translator Pro interface. The main window title is "DDJ-1000 v6.5.0 BOME - Main File - please run before traktor.bmtp - Bome MIDI Translator Pro". The interface includes a menu bar (File, Edit, MIDI, View, Help), a toolbar, and a central workspace divided into several panels.

**Left Panel (Preset List):** A list of presets is shown, with "DDJ-1000 v6.5.0 BOM..." and "[0] INT / MASTER CL..." selected. The list includes various presets like "[1] DEBUG CLOCK", "[3] NEEDLE CH1", "[4] MAIN CH1", "[5] SEEK CH1", "[7] NEEDLE CH2", "[8] MAIN CH2", "[9] SEEK CH2", "[10] CLOCK TICK", and several debug presets.

**Right Panel (MIDI Configuration):** This panel is titled "Project: Untitled Project". It contains two main sections: "MIDI INPUT" and "MIDI OUTPUT".

- MIDI INPUT:** A table showing MIDI input ports and their states. The "From Traktor" port is selected and set to "open".
- MIDI OUTPUT:** A table showing MIDI output ports and their states. The "To DDJ" port is selected and set to "open".

**Bottom Panel (Event Monitor):** This panel displays a log of events. The "Log Window" tab is active, showing a list of messages. A red circle highlights the first four messages, with a note "4x messages here!".

**MIDI Router:** A section at the bottom right shows MIDI connections. It includes a "MIDI Router" section with a table of connections. A red circle highlights the "From DDJ" and "To Traktor" ports, with a note "Do not change this 'cross'!".

**Annotations:**

- A red circle highlights the "Log Window" tab in the Event Monitor.
- A red circle highlights the "MIDI INPUT" and "MIDI OUTPUT" sections in the MIDI Configuration panel.
- A red circle highlights the "From DDJ" and "To Traktor" ports in the MIDI Router section.
- A red circle highlights the "From Traktor" port in the MIDI INPUT section.

**Text Annotations:**

- "Do not change this! Default is ONLY 'From Traktor' and 'to DDJ'" (pointing to the MIDI INPUT section).
- "Do not change this 'cross'!" (pointing to the MIDI Router section).
- "4x messages here!" (pointing to the first four messages in the Event Monitor log).

**Event Monitor Log:**

```
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 Synth
3: MIDIManager started.
4: Loaded Project file: C:\Users\Pedro\Desktop\Z_DRIVE_Pedro\2 Music - Controllers\0_MAPS_Traktor
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
```

## BOME: confirm DDJ talks to BOME

Event Monitor ☐ ☒ Log Window ☐ ☒

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

Pressing and releasing any button generates 4 log lines. This is always in the DDJ->BMT1 direction

Activate MIDI debug here

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

Dump Vars Clear

## BOME: confirm internal clock

Event Monitor ☐ Log Window ☐

```
1687: RULE 3.10 assignment: (pp=0) = 0
1688: RULE 3.10 exit rules, skip Outgoing Action
1689: RULE 7.10 assignment: (pp=0) = 0
1690: RULE 7.10 exit rules, skip Outgoing Action
1691: RULE 0.10 expression: (hz=hz+1) = 57579
1692: RULE 3.10 assignment: (pp=0) = 0
1693: RULE 3.10 exit rules, skip Outgoing Action
1694: RULE 7.10 assignment: (pp=0) = 0
1695: RULE 7.10 exit rules, skip Outgoing Action
1696: RULE 0.10 expression: (hz=hz+1) = 57580
1697: RULE 3.10 assignment: (pp=0) = 0
1698: RULE 3.10 exit rules, skip Outgoing Action
1699: RULE 7.10 assignment: (pp=0) = 0
1700: RULE 7.10 exit rules, skip Outgoing Action
1701: RULE 0.10 expression: (hz=hz+1) = 57581
1702: RULE 3.10 assignment: (pp=0) = 0
1703: RULE 3.10 exit rules, skip Outgoing Action
1704: RULE 7.10 assignment: (pp=0) = 0
1705: RULE 7.10 exit rules, skip Outgoing Action
1706: RULE 0.10 expression: (hz=hz+1) = 57582
1707: RULE 3.10 assignment: (pp=0) = 0
1708: RULE 3.10 exit rules, skip Outgoing Action
1709: RULE 7.10 assignment: (pp=0) = 0
1710: RULE 7.10 exit rules, skip Outgoing Action
```

HZ goes up  
one by one continuously

Activate rules debug here

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

Dump Vars Clear

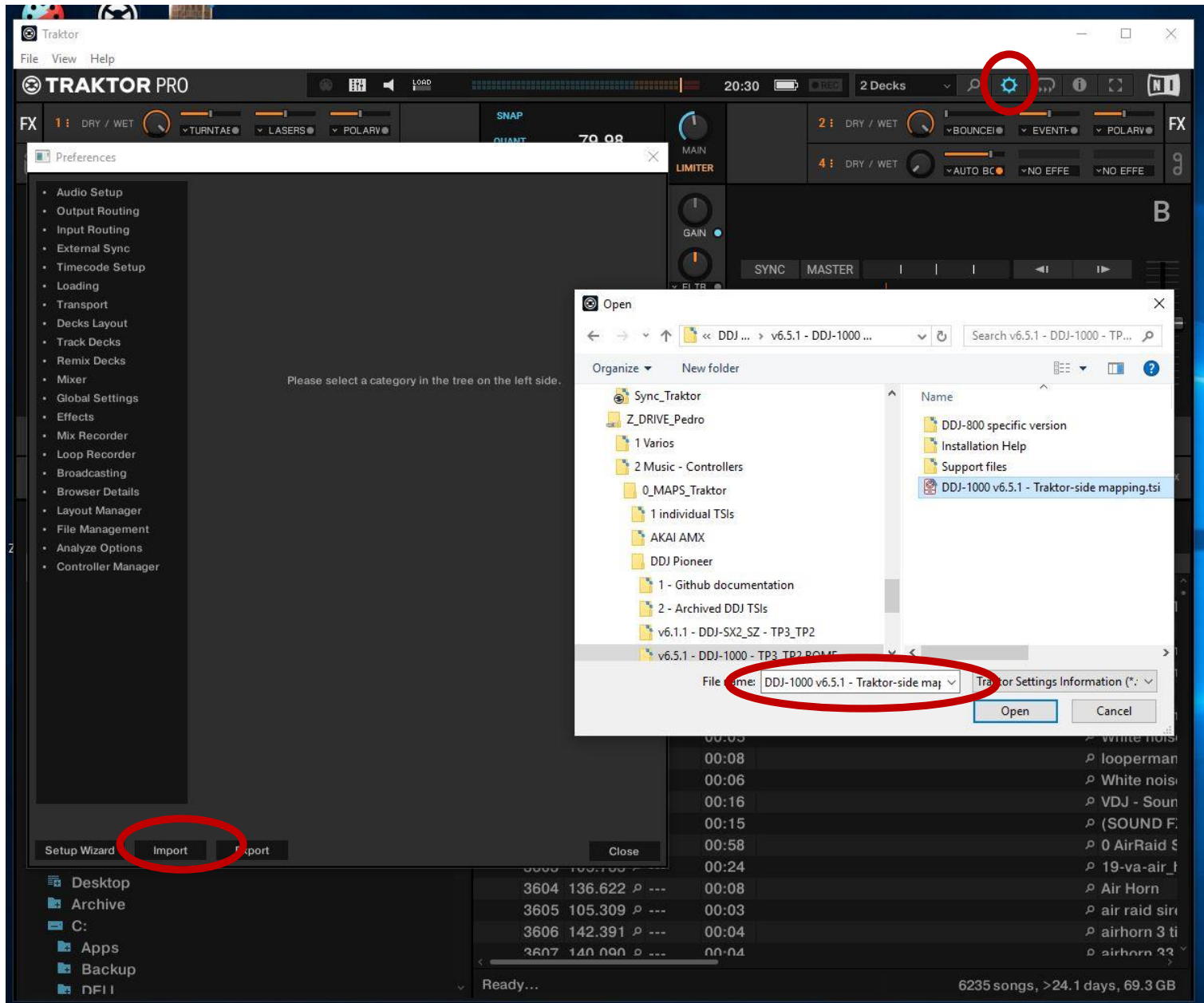
# TRAKTOR-SIDE

*do not skip any step!*

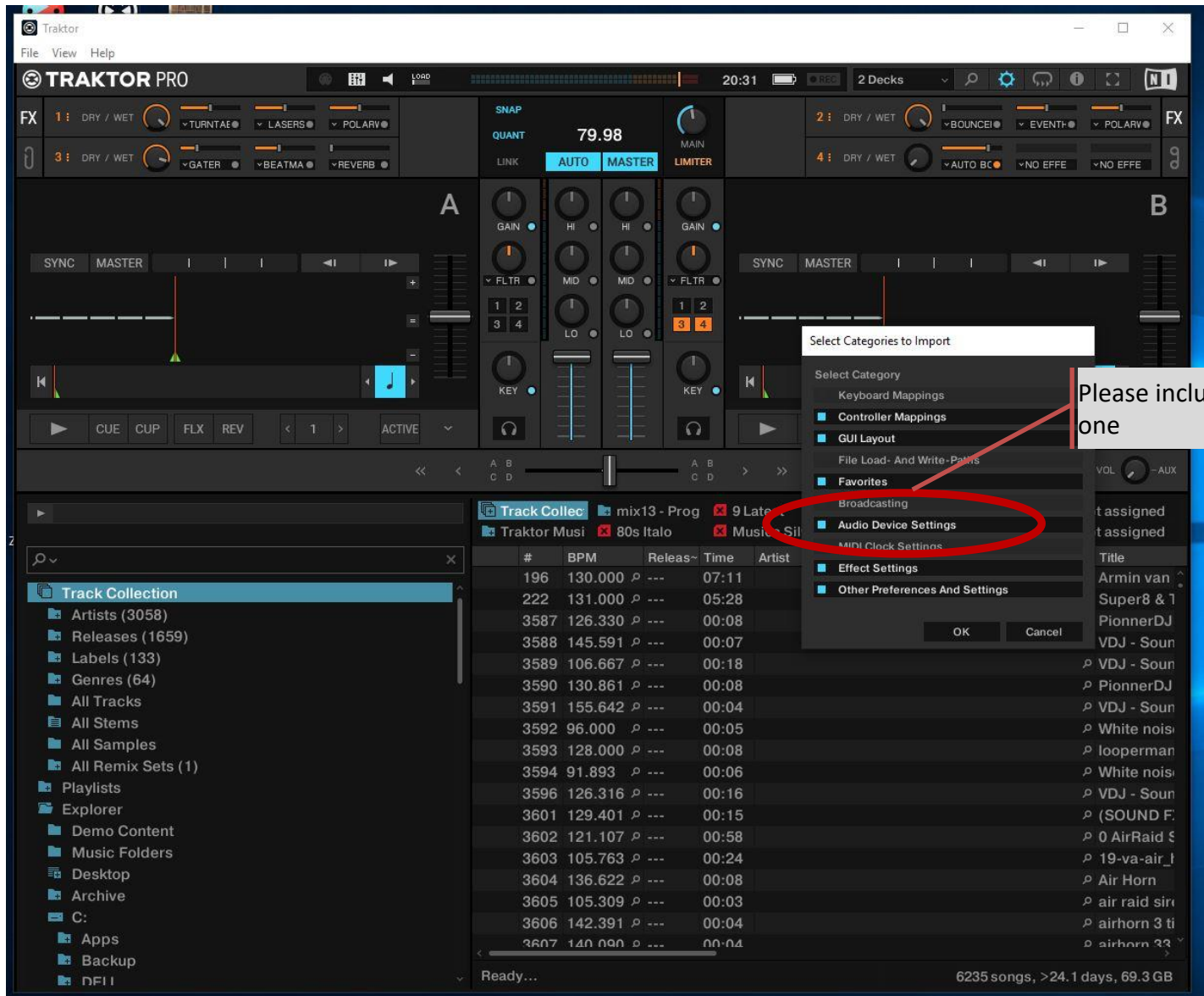
## **INSTALL TRAKTOR MAPPING:**

1. Open Traktor
2. Click Settings
3. Click big “import button” on lower left corner
4. Accept all check settings, PLUS additionally the “Audio device settings”
5. Repeat the mapping installation a second time. This is ensure the FX list is correct (this is a Traktor bug that is going on for years)!

# TRAKTOR: import mapping

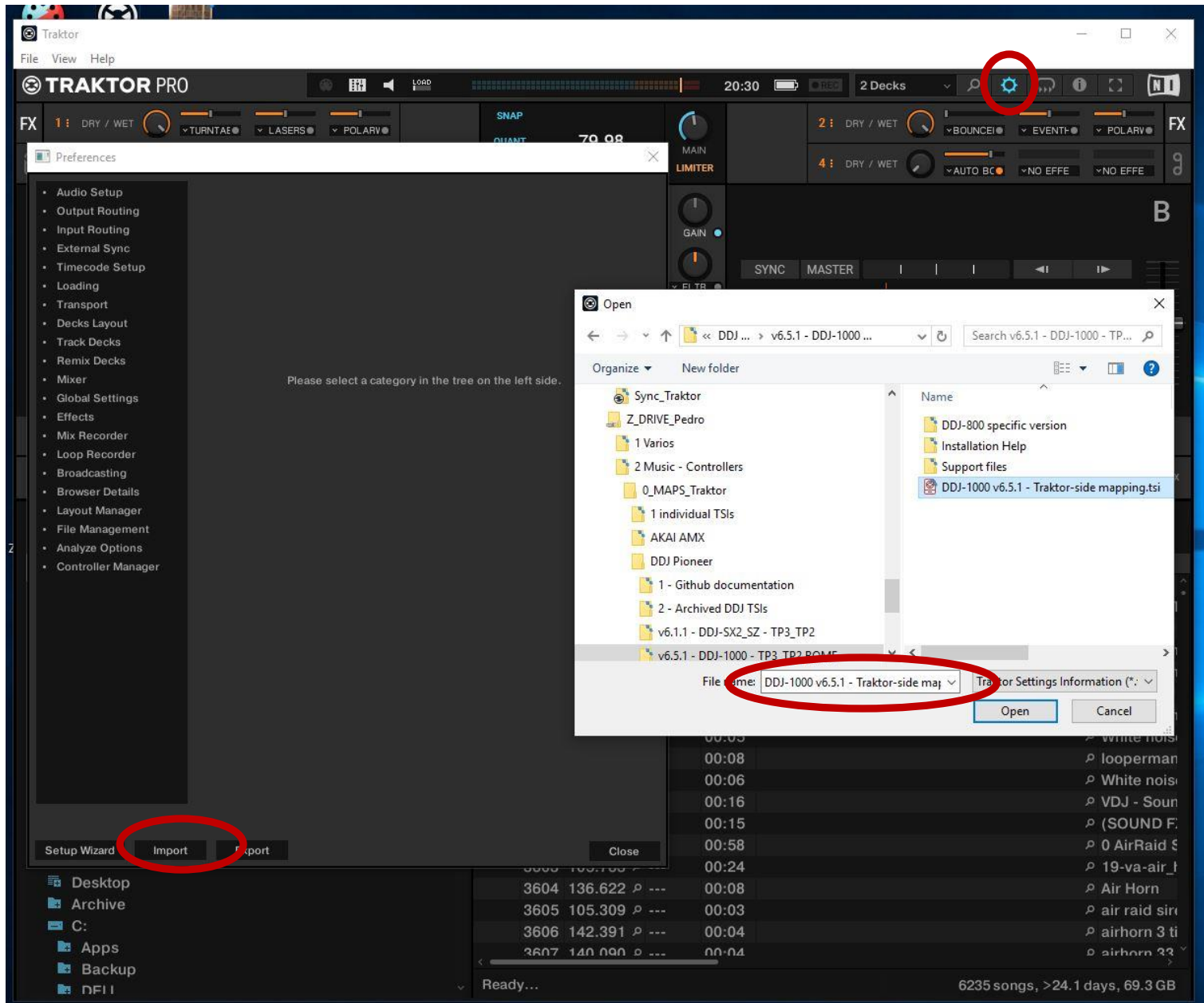


# TRAKTOR: add audio device config



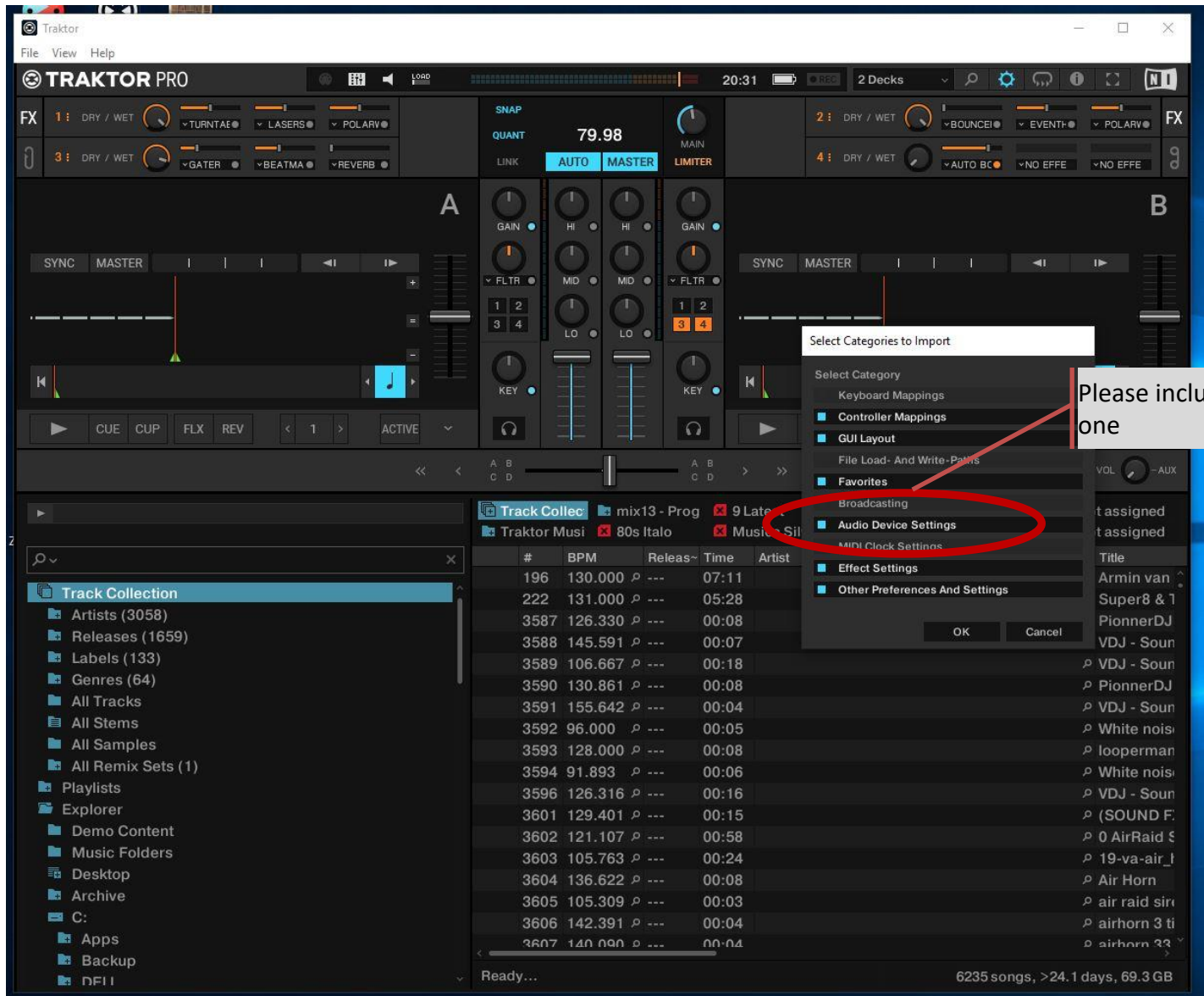


# TRAKTOR: import mapping (second time)





# TRAKTOR: add audio device config (second time)



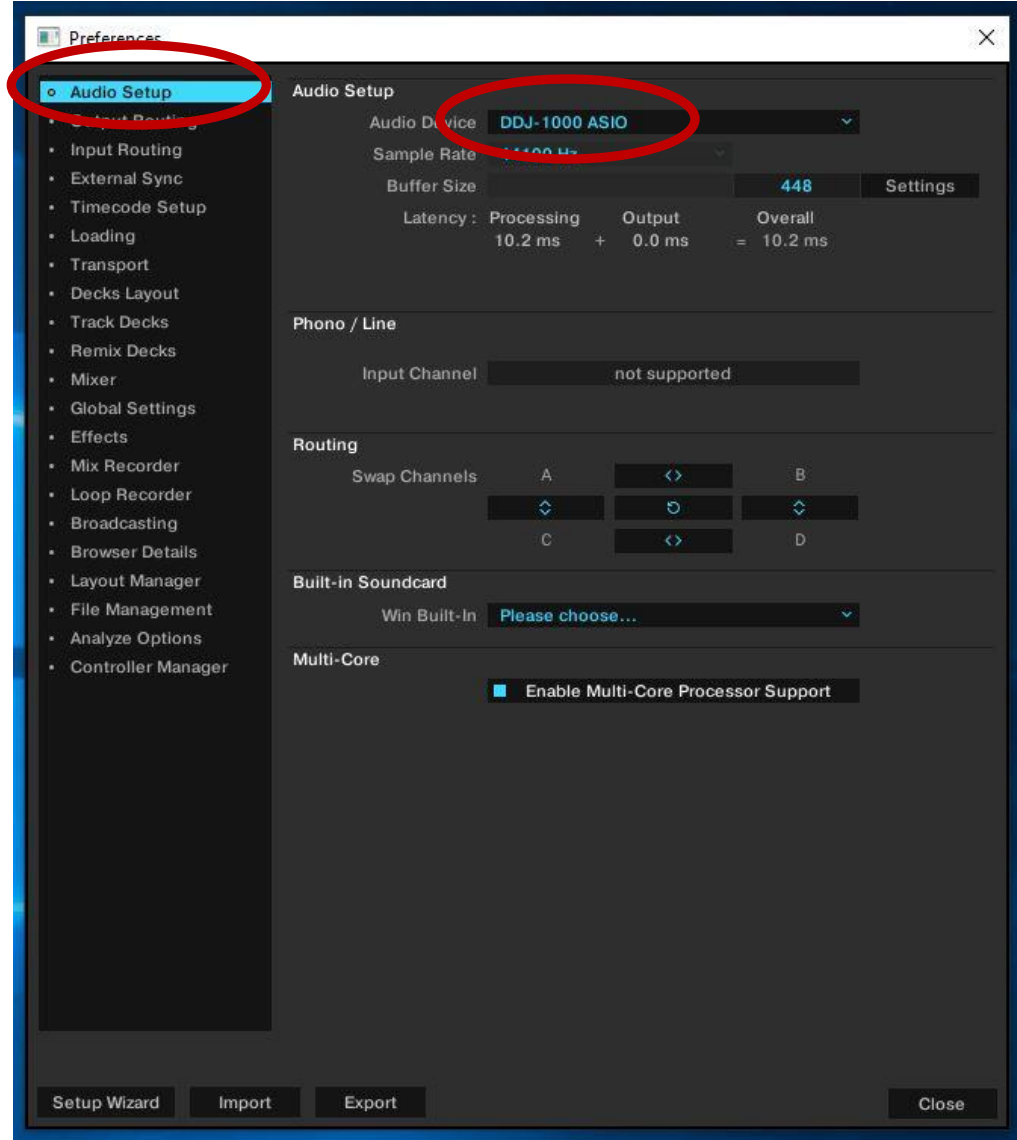
## TRAKTOR VERIFICATION:

1. Confirm the audio device is DDJ-1000
  1. Method: Settings ; audio setup ; confirm audio device
2. Verify what already works on the mapping
  1. Method: Load a track; click Cue and play/pause repeatedly
  2. Use shift+quantize to send a reset command to BOME
3. Confirm all MIDI communication is via “BMT1”.
  1. Method: Settings; controller manager; click all devices; IN and OUT port
  2. **DO NOT SET DDJ-1000 in the controller manager!!!**
4. Test that bidirectional communication works
  1. Method: open the bome window; click the “CUE” button; verify that the BOME log displays at least 8 lines per click



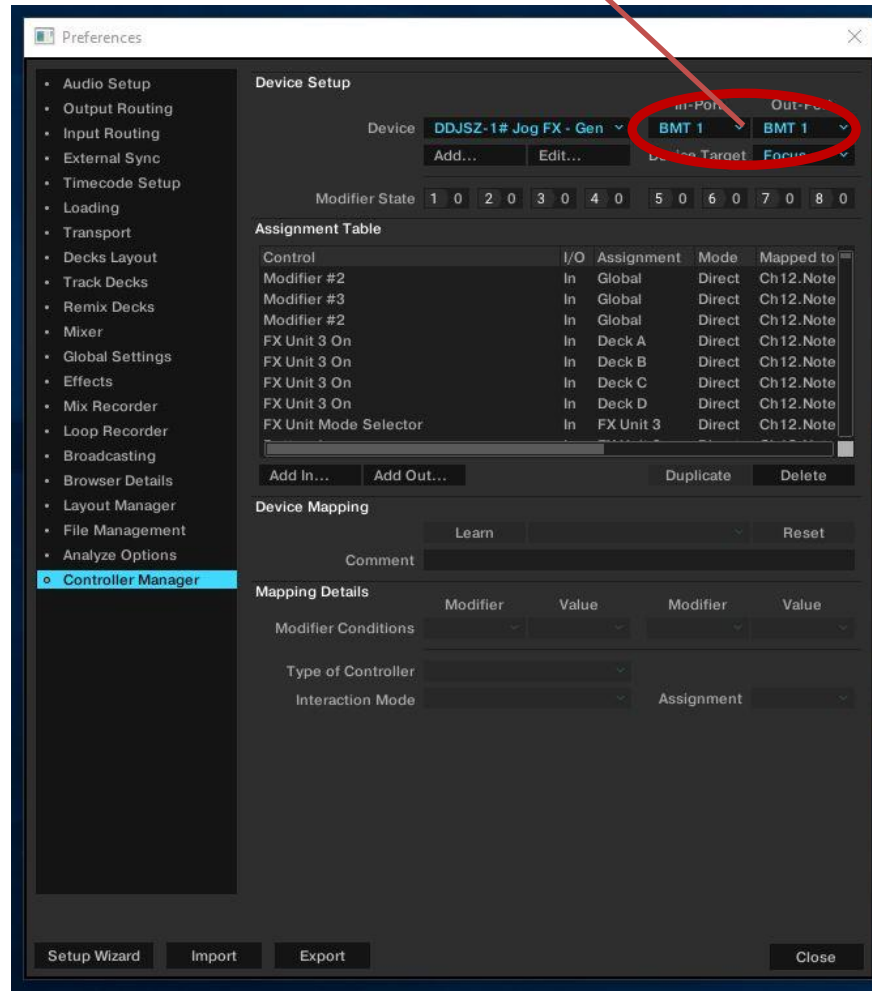
#1 mistake !!

# TRAKTOR: check audio device



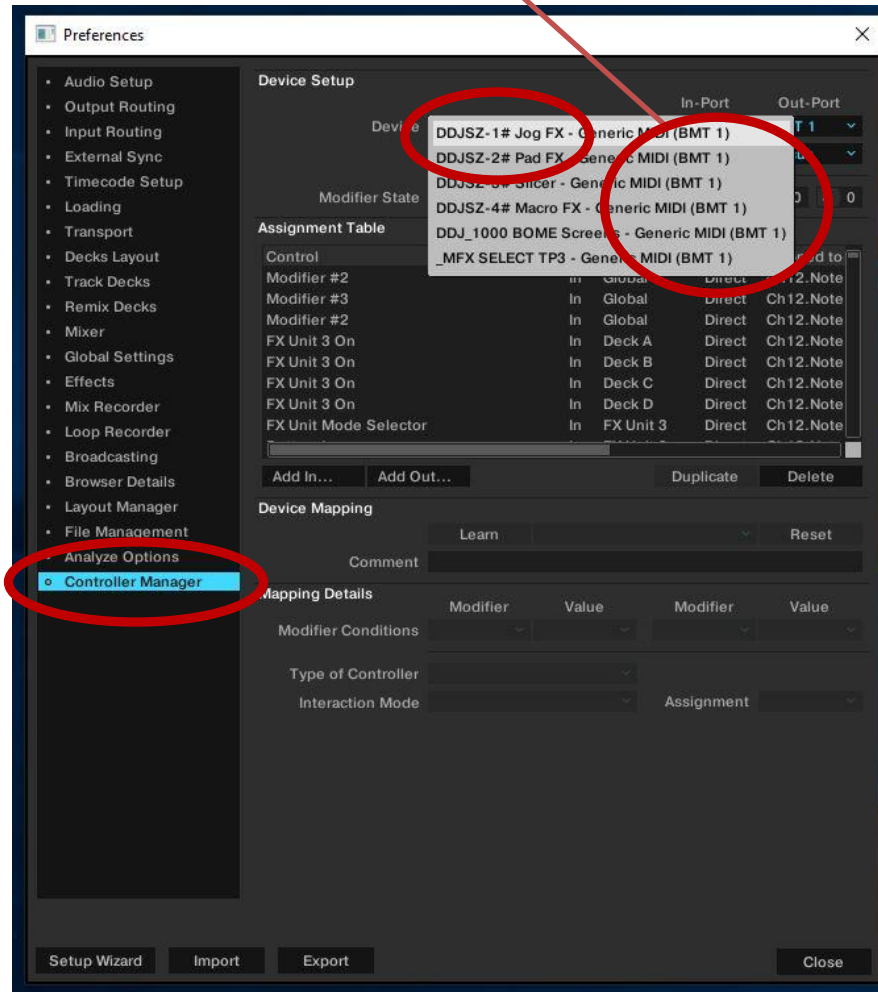
# TRAKTOR: MIDI via "BMT1"

Both IN and OUT = "BMT1"  
For ALL PAGES!

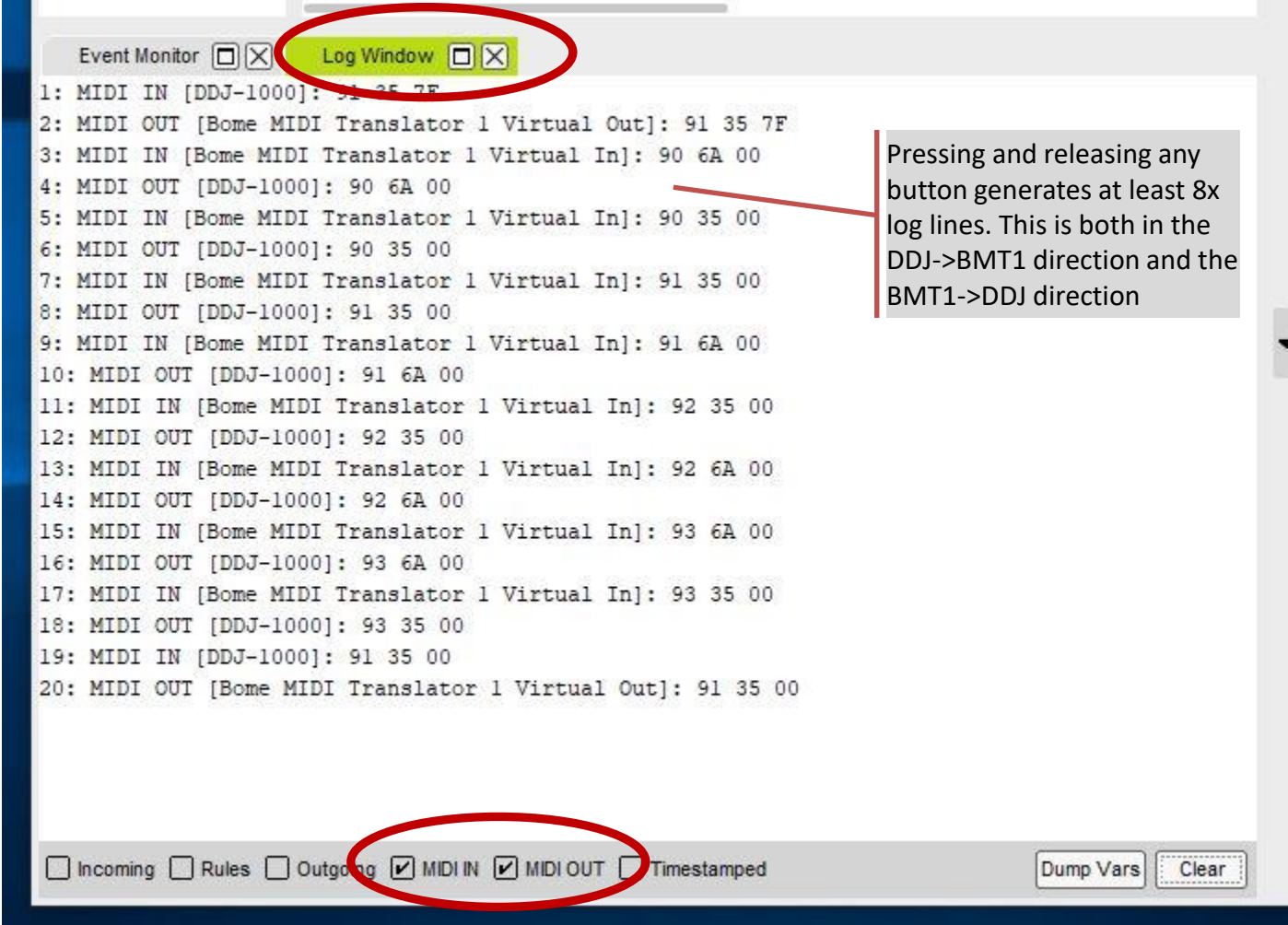


# TRAKTOR: MIDI via "BMT1"

All pages with "BMT1"



## 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
```

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

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

Dump Vars Clear

# IF ITS STILL NOT WORKING 😞

*make a HD video of the verification steps, INCLUDING THE BOME LOG,  
and send to [pedro.estrela@gmail.com](mailto:pedro.estrela@gmail.com) via <https://wetransfer.com/>*