# DDJ-1000 Traktor mapping installation

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

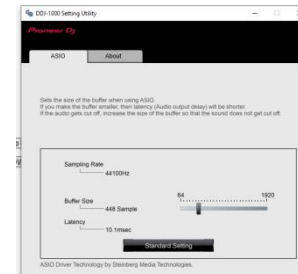*See also the installation FAQ (on a separate pdf file).*

# Step #0

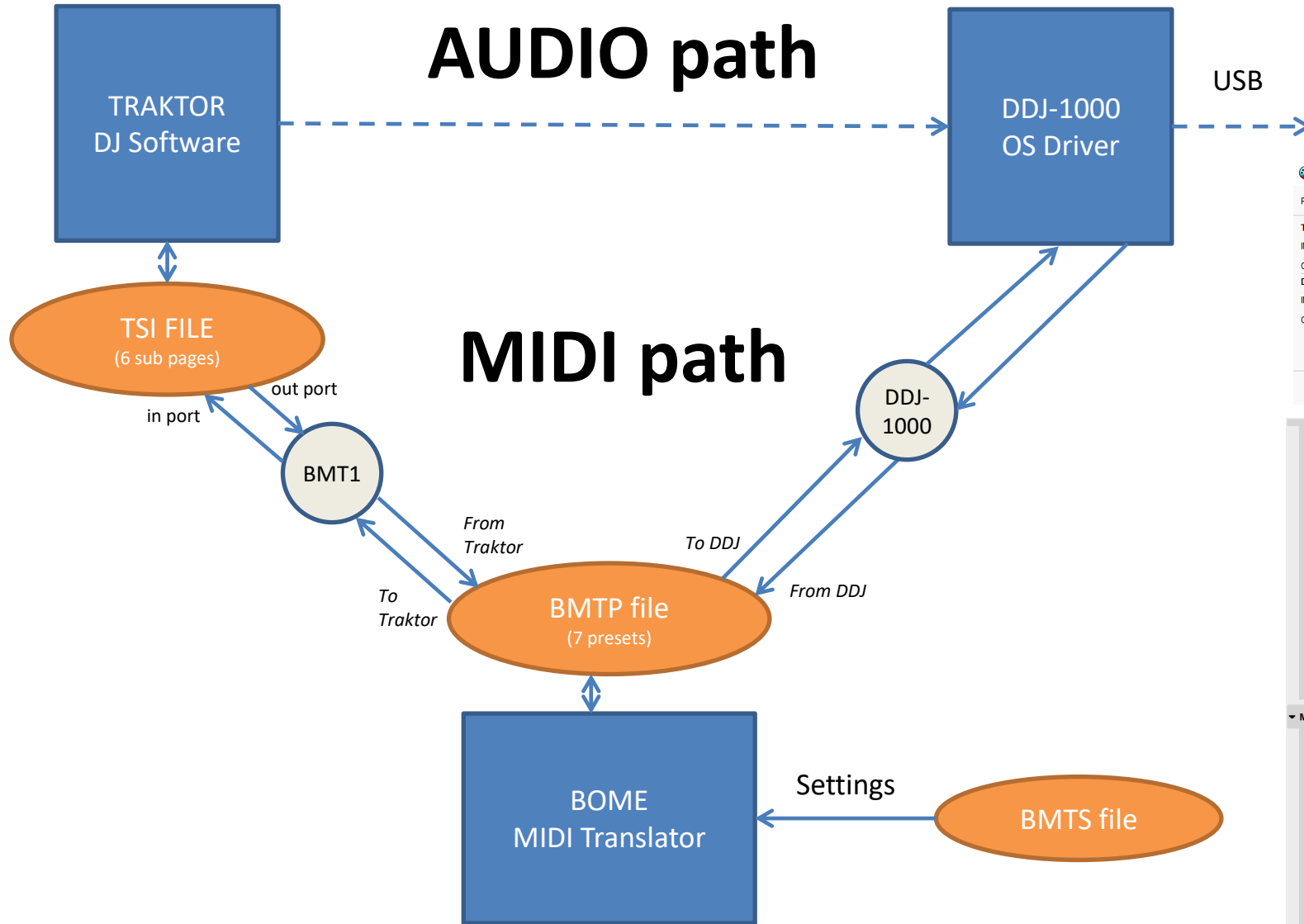## CONFIRM THAT REKORDBOX DJ WORKS IN YOUR SYSTEM!

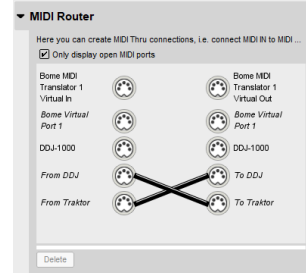Driver Download: https://www.pioneerdj.com/en/support/software/controller/ddj-1000/#drivers
Firmware download: https://www.pioneerdj.com/en/support/software/controller/ddj-1000/#firmware-update
Rekordbox DJ download: https://rekordbox.com/en/
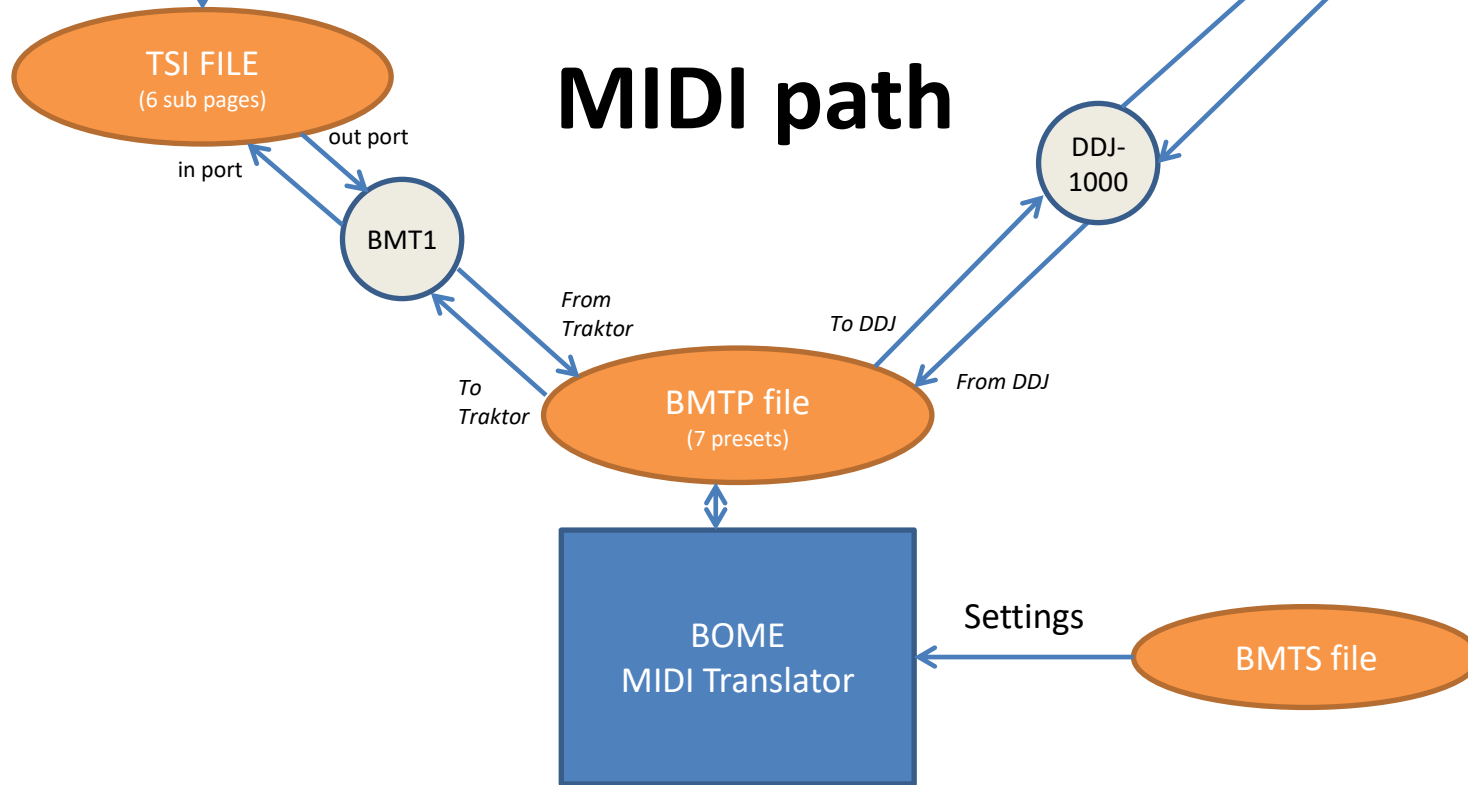
**AUDIO path**

**MIDI path**

TRAKTOR
DJ Software

DDJ-1000
OS Driver

USB

TSI FILE
(6 sub pages)

out port

in port

BMT1

DDJ-1000

From Traktor

To DDJ

To Traktor

From DDJ

BMTP file
(7 presets)

BOME
MIDI Translator

Settings

BMTS file

Select MIDI Devices - Bome MIDI Translat...

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

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

**MIDI INPUT**
From Traktor

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

Edit    Delete    Create Alias

**MIDI OUTPUT**
To DDJ

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

Edit    Delete    Create Alias

▼ **MIDI Router**

Here you can create MIDI Thru connections, i.e. connect MIDI In to MIDI ...
☑ 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

Delete

# Step #1

## BOME-MAP 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.
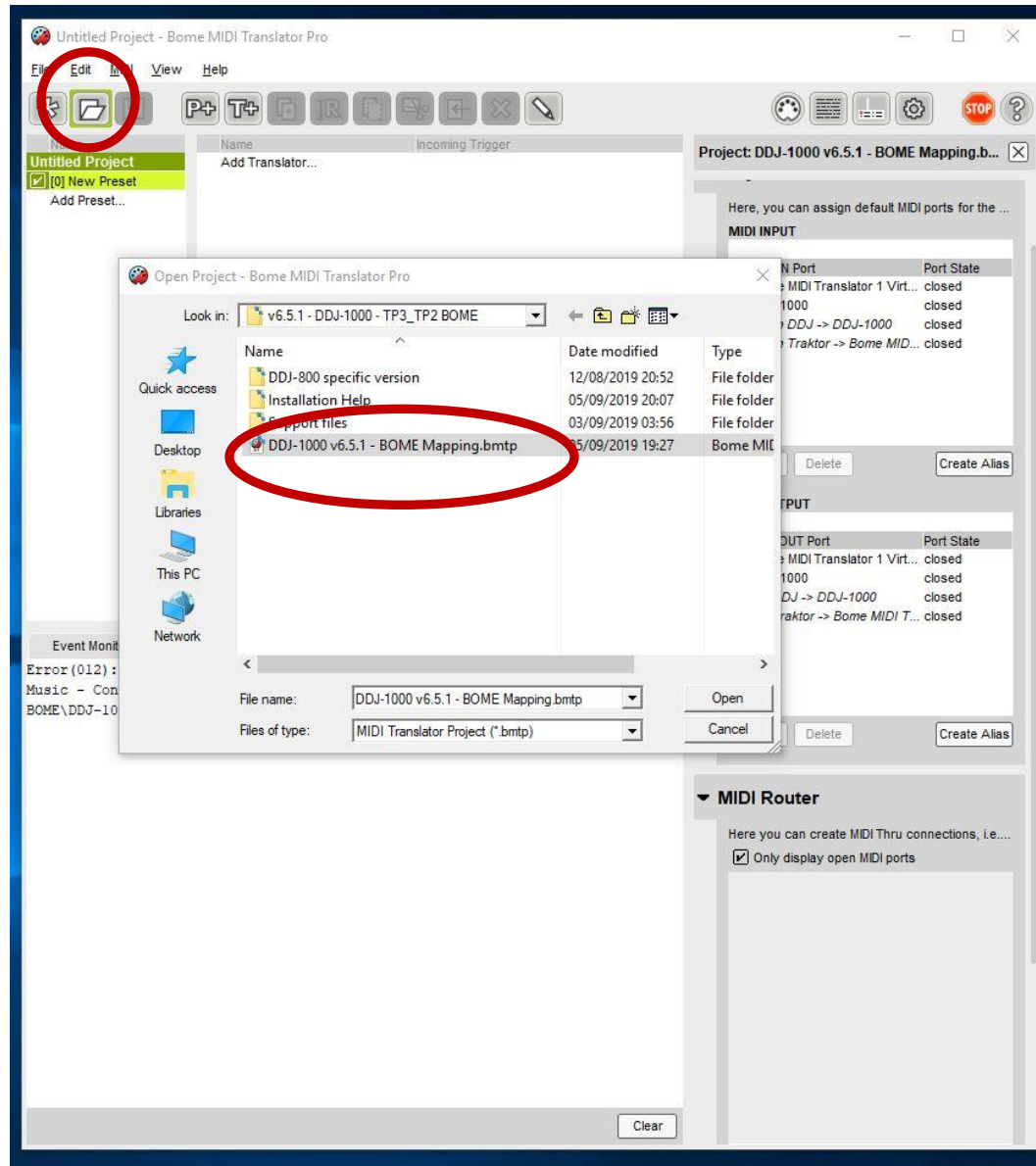6. Download and Install the BOME trial from
   https://www.bome.com/products/miditranslator#downloads

**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!          Beware!

# BOME: import settings file (BMTS file)
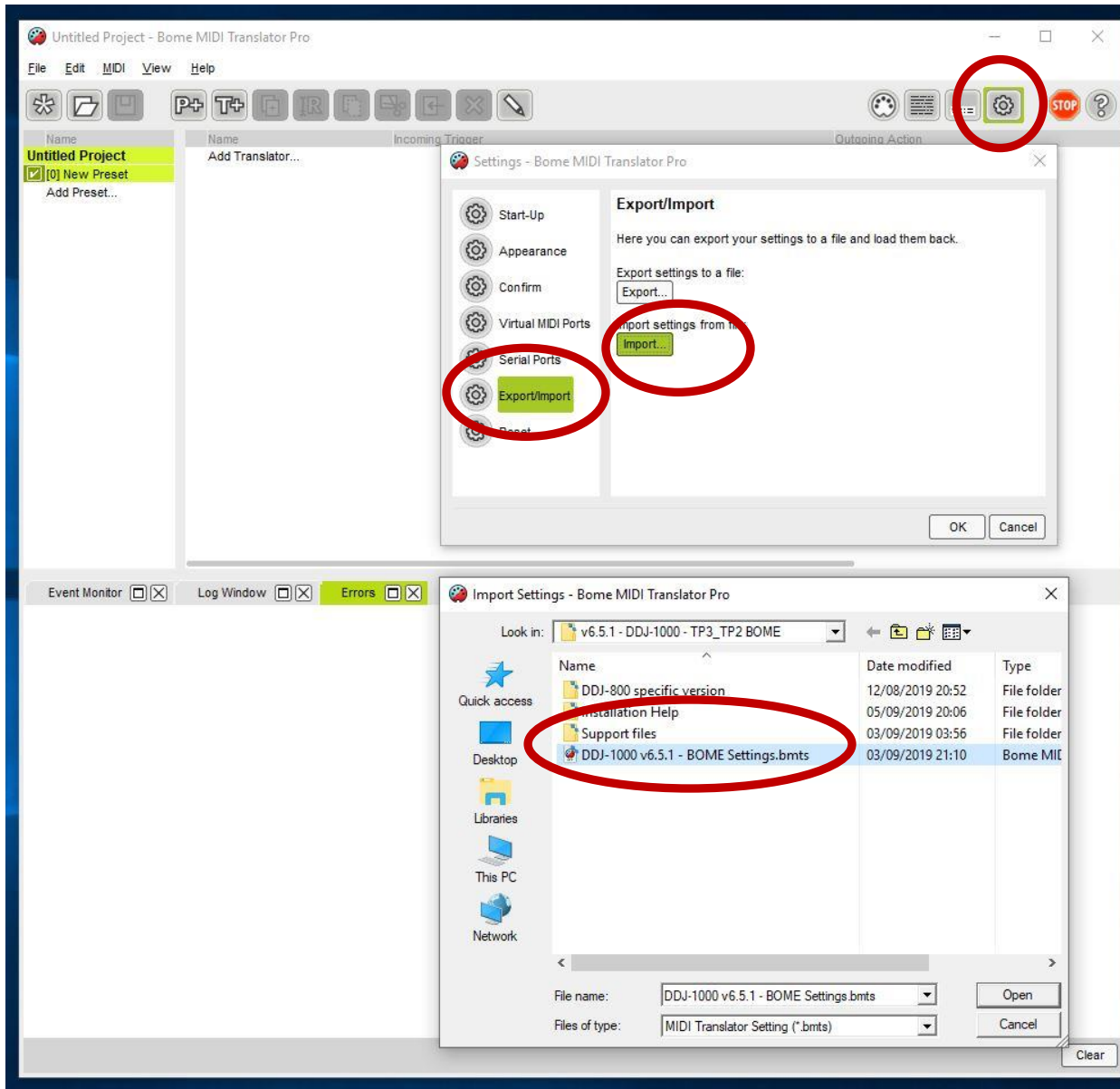
# BOME: import mapping file (BMTP file)

# _BOME: Aliases_

# 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
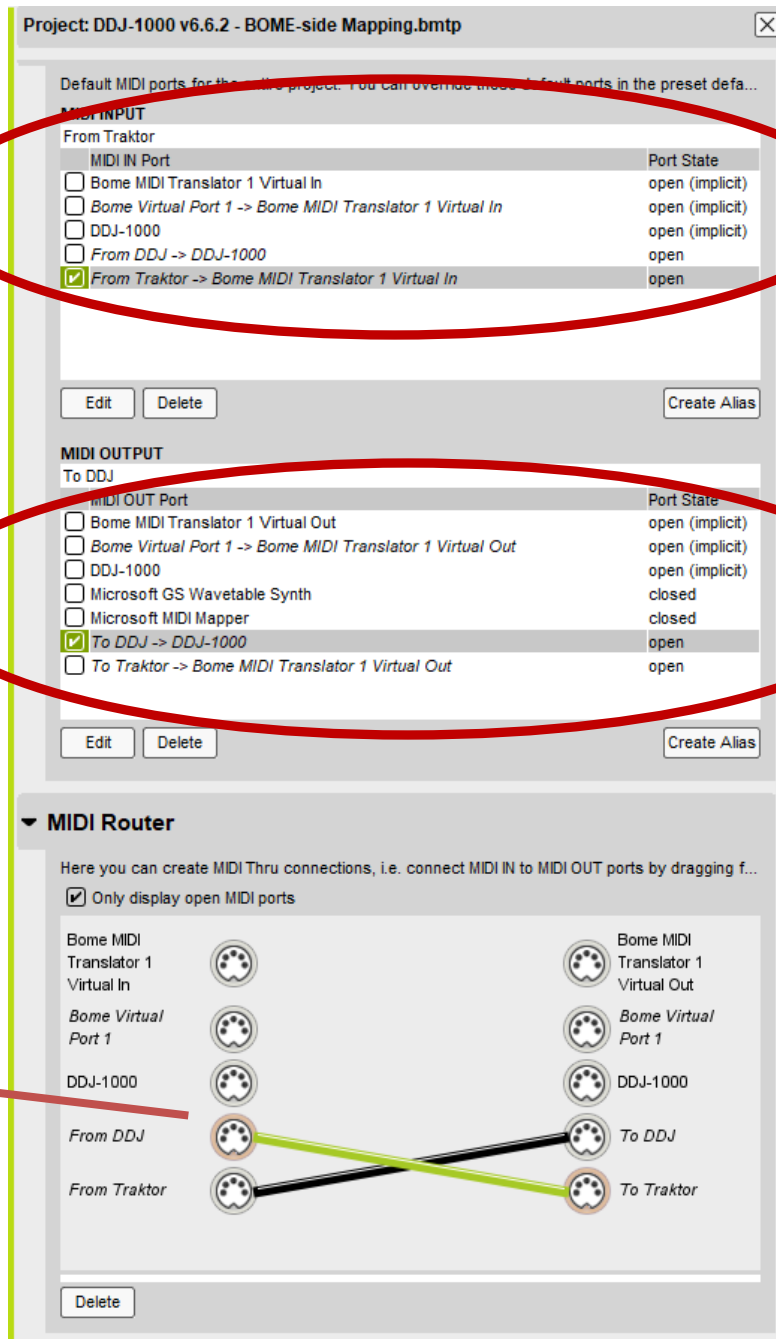
Confirm this "cross" on EXACTLY these aliases

Project: DDJ-1000 v6.6.2 - BOME-side Mapping.bmtp

Default MIDI ports for the entire project. You can override these default ports in the preset defa...

**MIDI INPUT**
From Traktor

| MIDI IN Port | Port State |
| --- | --- |
| Bome MIDI Translator 1 Virtual In | open (implicit) |
| Bome Virtual Port 1 -> Bome MIDI Translator 1 Virtual In | open (implicit) |
| DDJ-1000 | open (implicit) |
| From DDJ -> DDJ-1000 | open |
| From Traktor -> Bome MIDI Translator 1 Virtual In | open |

Edit    Delete                                    Create Alias

**MIDI OUTPUT**
To DDJ

| MIDI OUT Port | Port State |
| --- | --- |
| Bome MIDI Translator 1 Virtual Out | open (implicit) |
| Bome Virtual Port 1 -> Bome MIDI Translator 1 Virtual Out | open (implicit) |
| DDJ-1000 | open (implicit) |
| Microsoft GS Wavetable Synth | closed |
| Microsoft MIDI Mapper | closed |
| To DDJ -> DDJ-1000 | open |
| To Traktor -> Bome MIDI Translator 1 Virtual Out | open |

Edit    Delete                                    Create Alias

▼ **MIDI Router**

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

☑ 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 |

Delete

# Step #2

## BOME-MAP 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
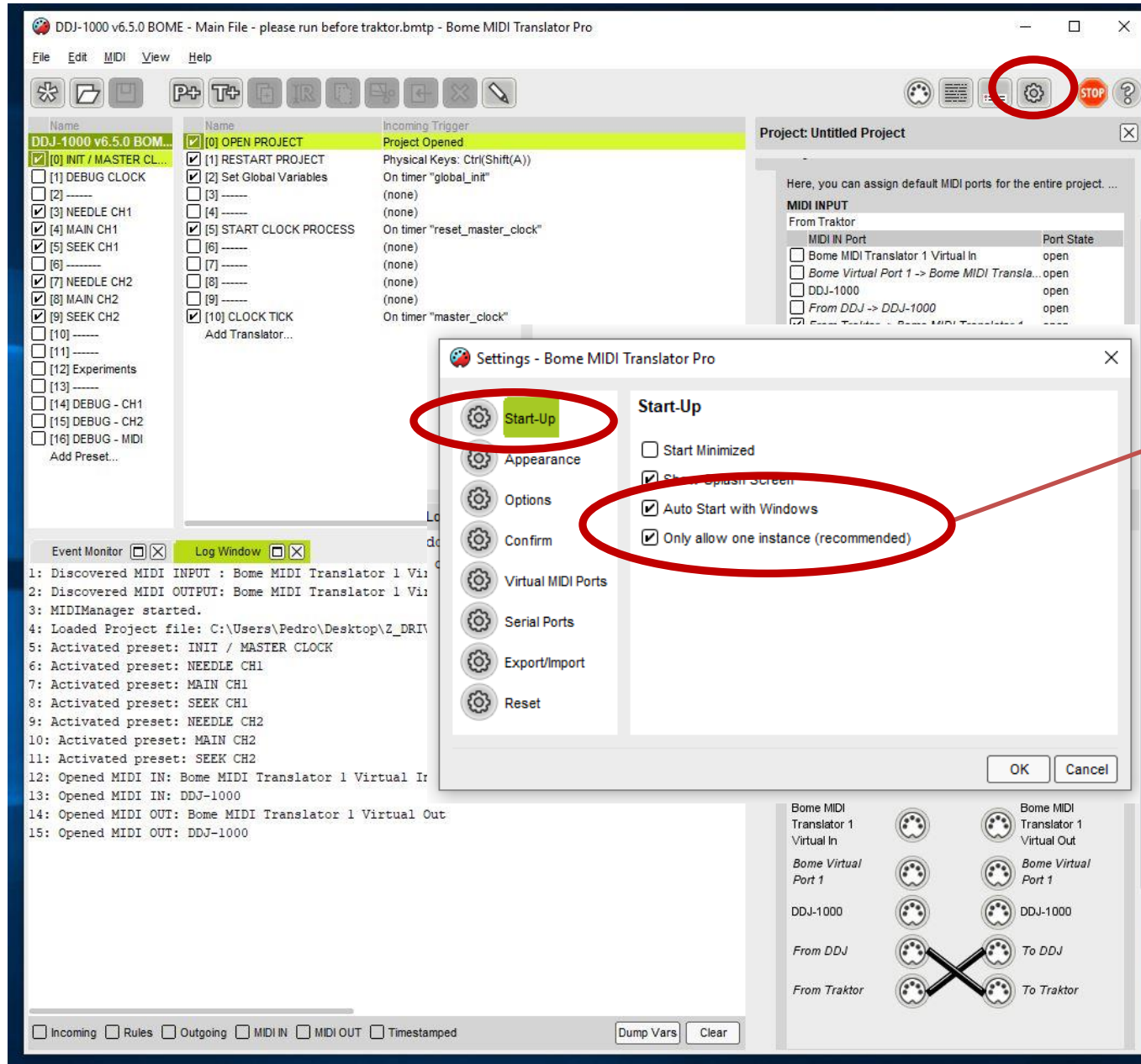


Auto start with Windows!

# *BOME settings: long port name device*

# BOME: Correct startup log



Do not change this!

Default is ONLY
- "From Traktor" OPEN
- "to DDJ" OPEN

confirm devices are OPEN!

4x messages here!

Do not change this "cross"!

14

# 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
```

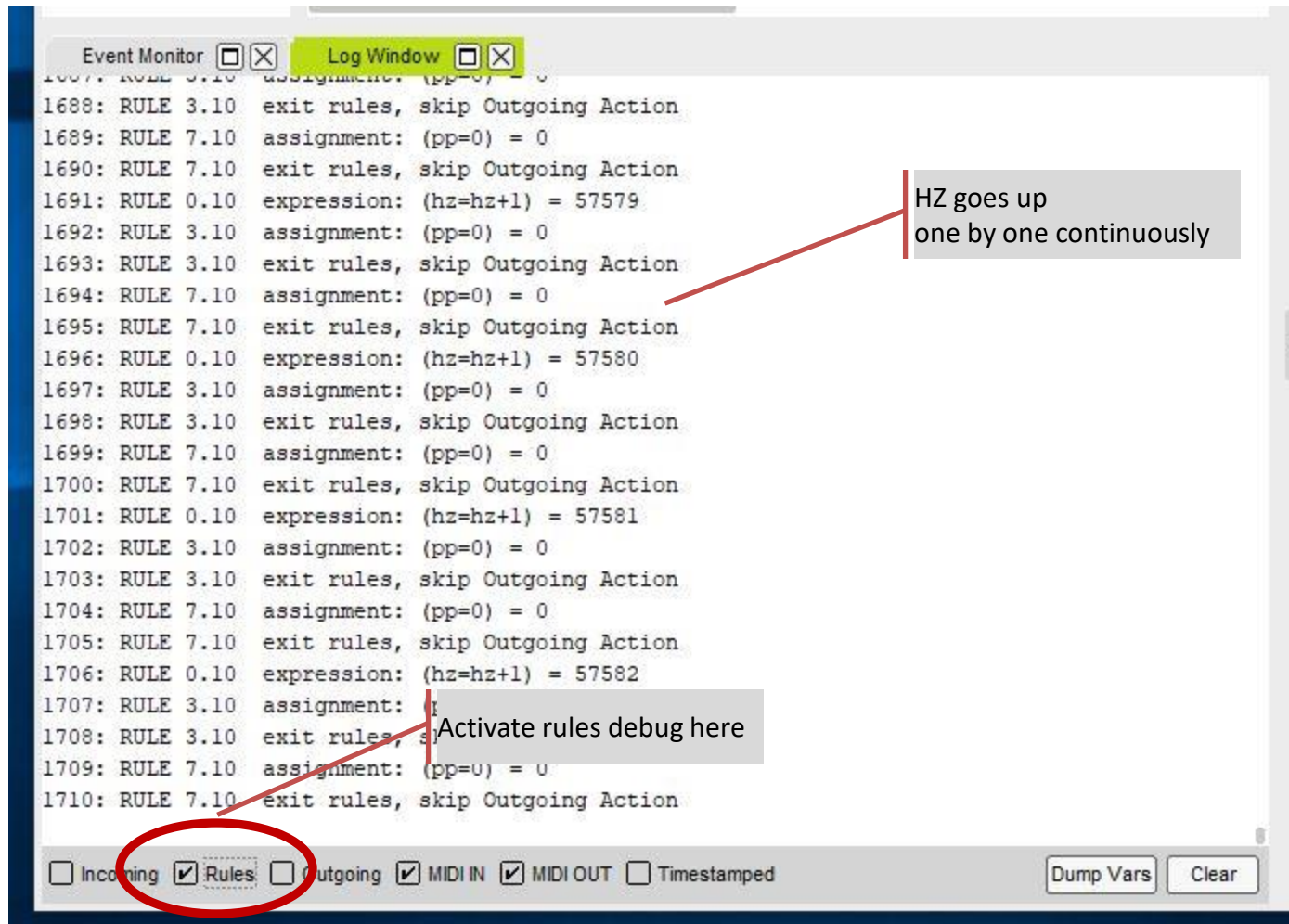Pressing and releasing any button generates 4 log lines. This is always in the DDJ->BMT1 direction

Activate MIDI debug here

☐ Incoming  ☐ Rules  ☐ Outgoing  ☑ MIDI IN  ☑ MIDI OUT  ☐ Timestamped    Dump Vars    Clear

## BOME: confirm internal clock



HZ goes up
one by one continuously

Activate rules debug here

(Please click "rules" again to stop the logging)    **Tip!**

# Step #3

## TRAKTOR-MAP 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"   Extra click
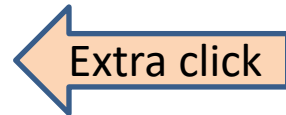
**INSTALL TRAKTOR MAPPING (second time):**
1. Repeat above process a second time. This is <u>only </u>to avoid a Traktor bug that gets the FX list wrong.

# TRAKTOR: create backup of your settings



Backup everything!
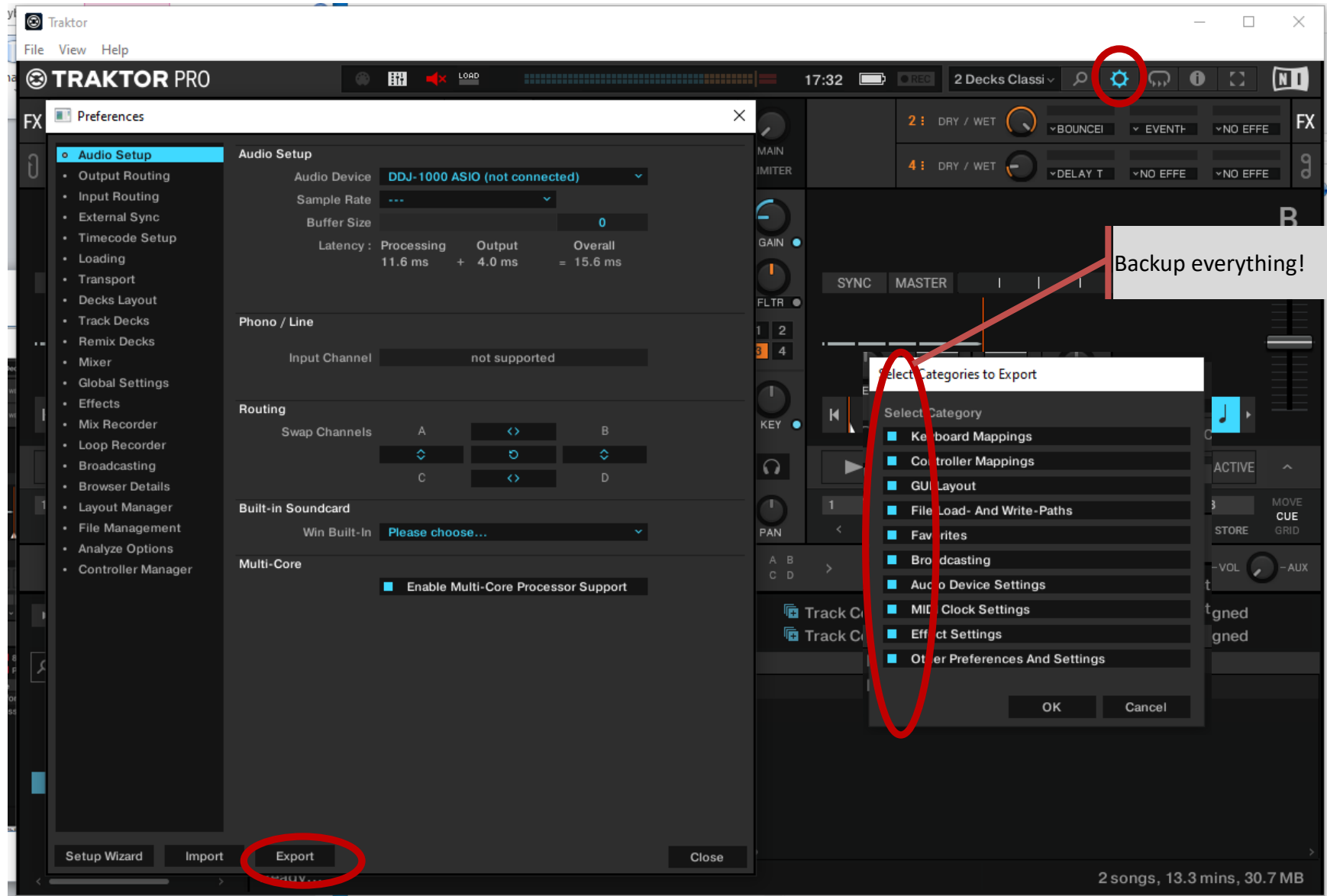
## TRAKTOR: import mapping

# TRAKTOR: click audio device config

# *TRAKTOR: import mapping (second time)*

# Step #4

## TRAKTOR-MAP VERIFICATION

*do not skip any step!*

**TRAKTOR VERIFICATION:**

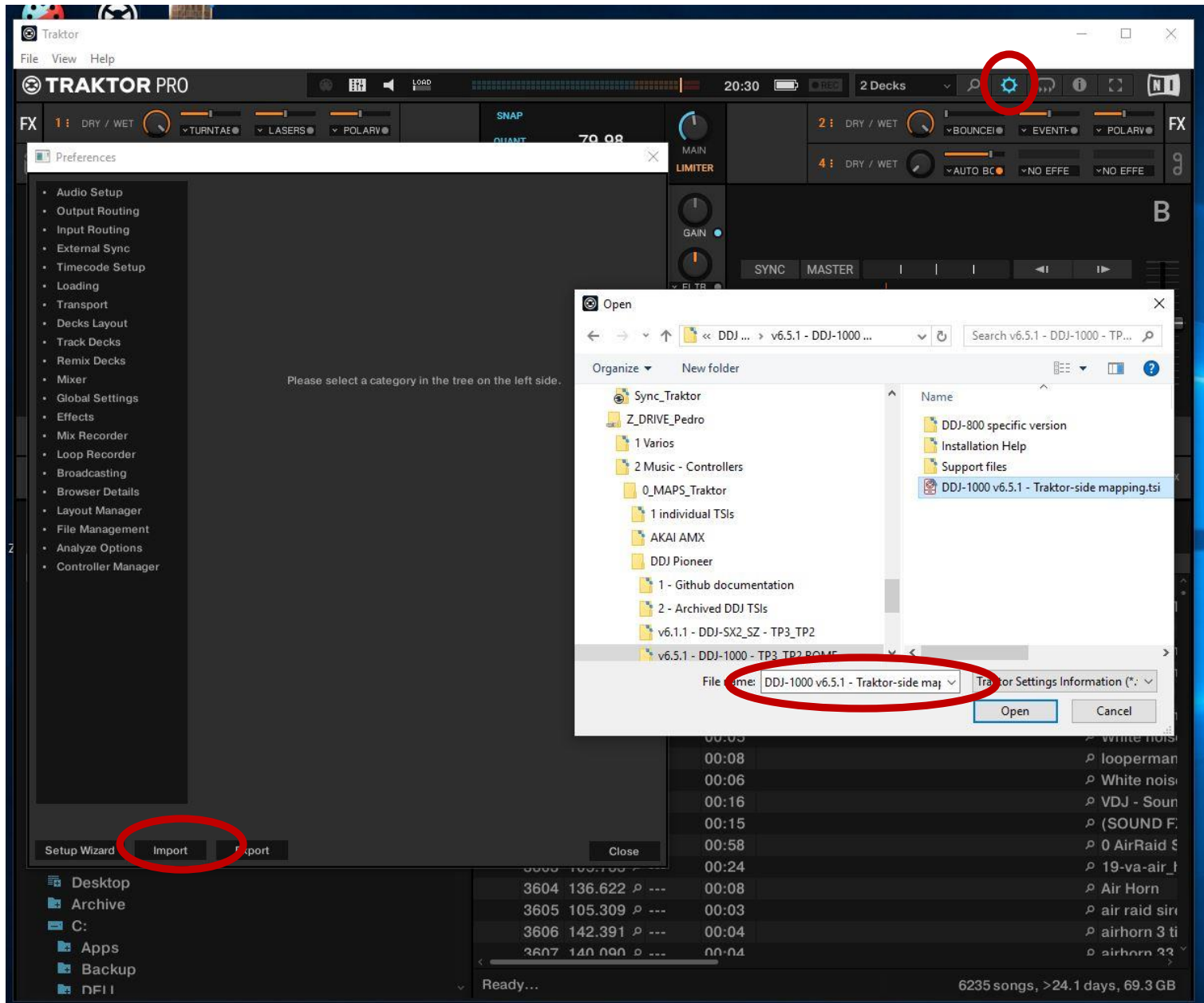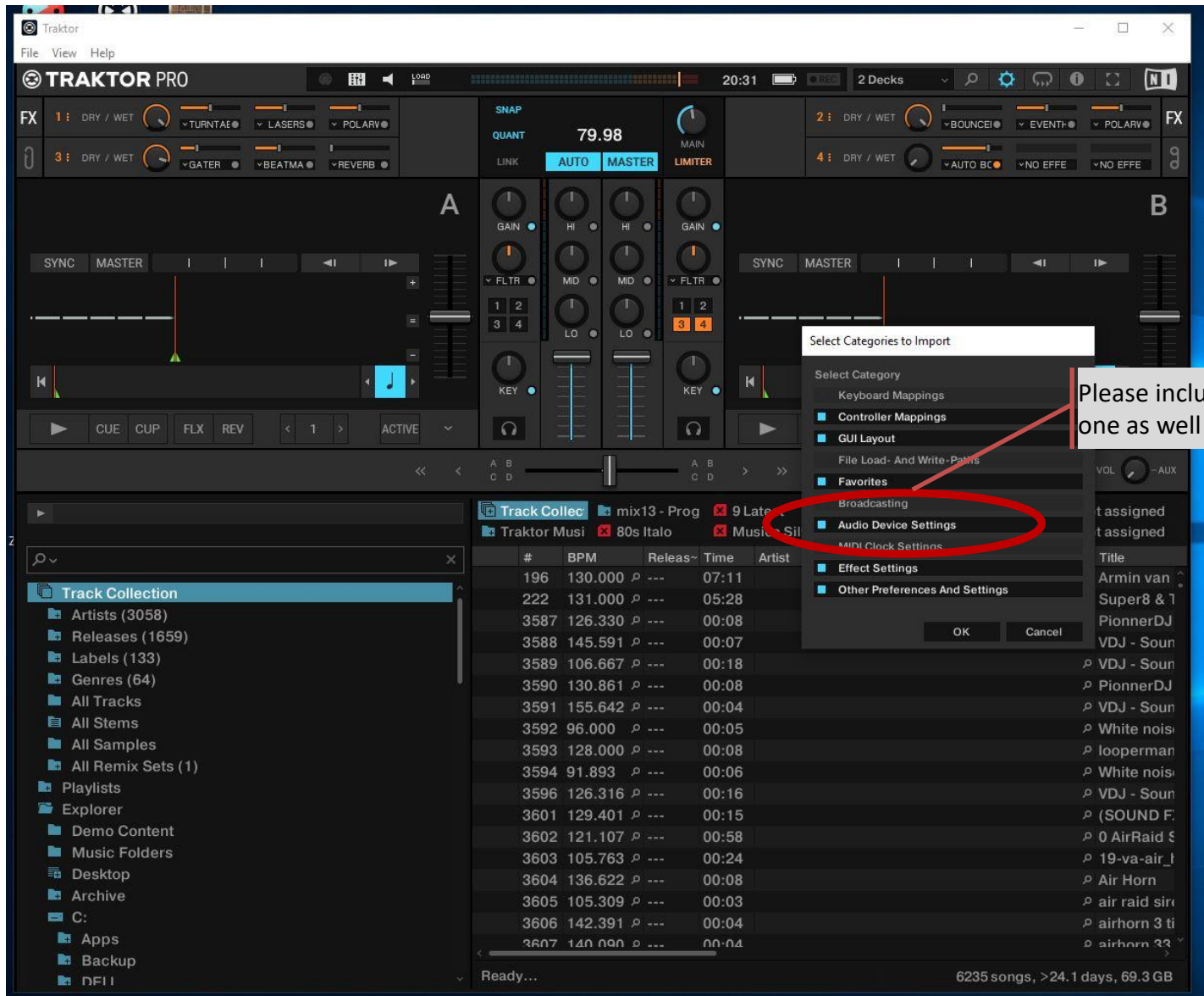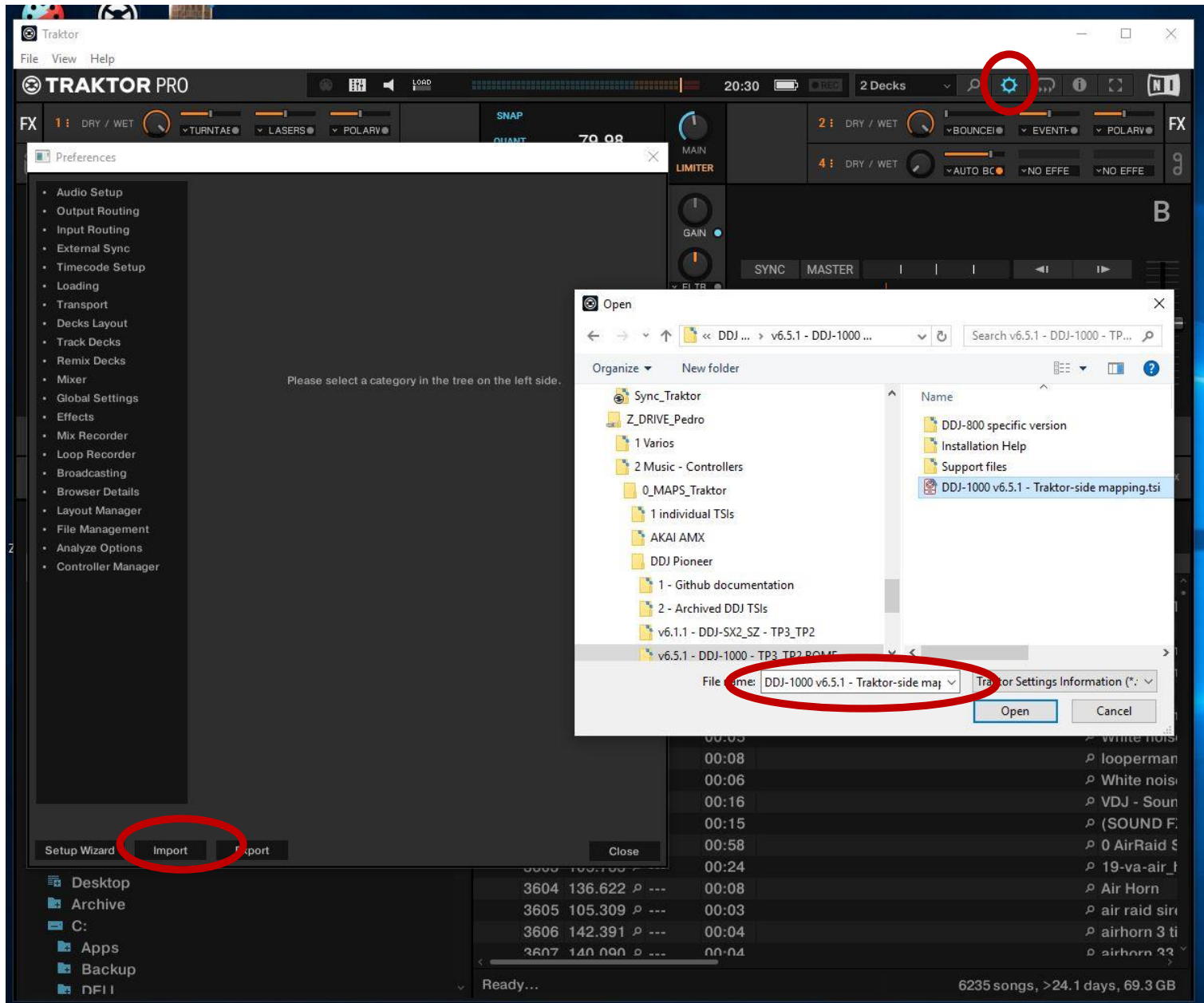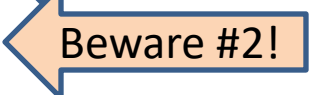*Note: the Preferences window is now quite slow to open. This is another Traktor bug.*

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!!!***  ⟨ Beware #1!
    3. ***DO NOT FORGET TO CONFIRM ALL 6x PAGES!***  ⟨ Beware #2!

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

# *TRAKTOR: check audio device*
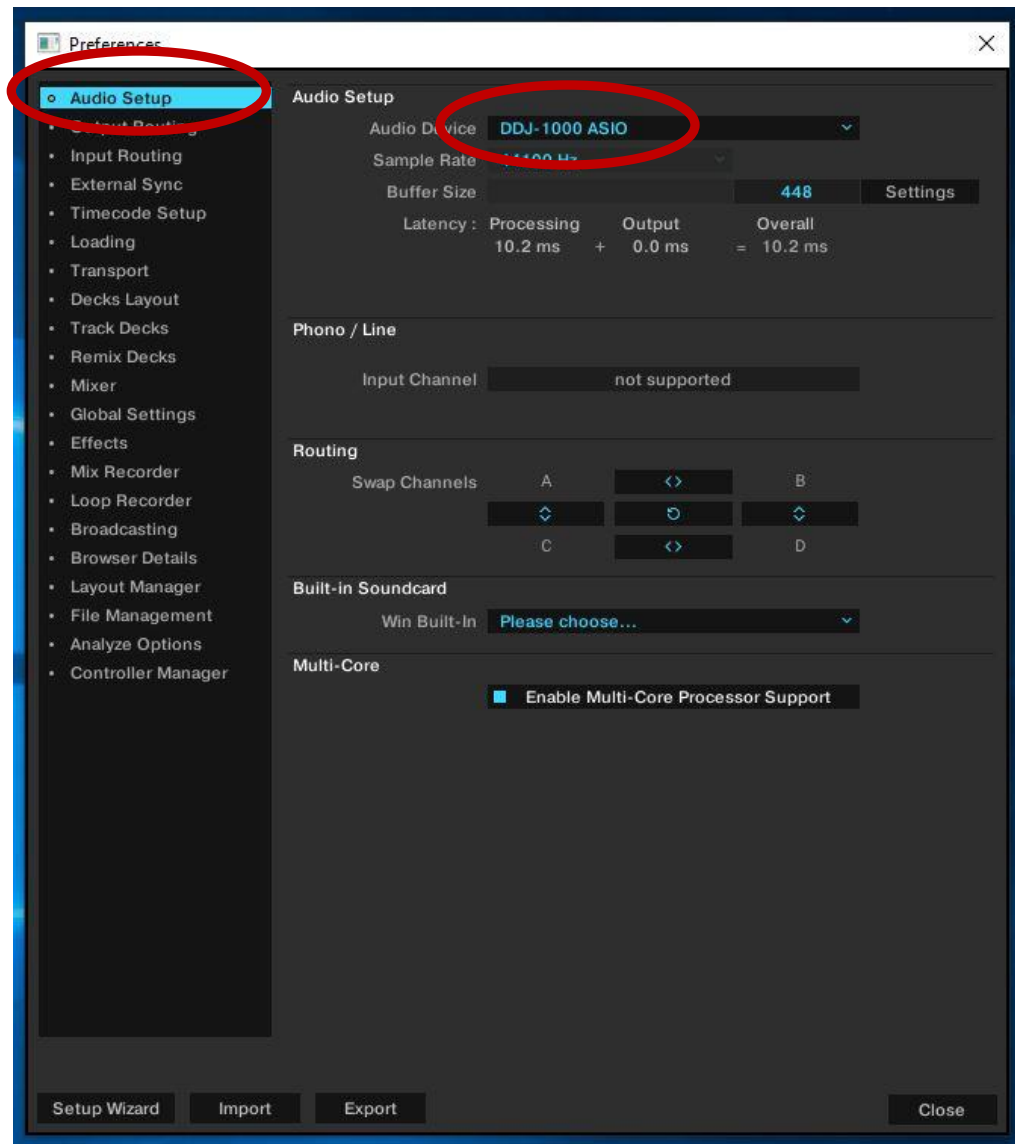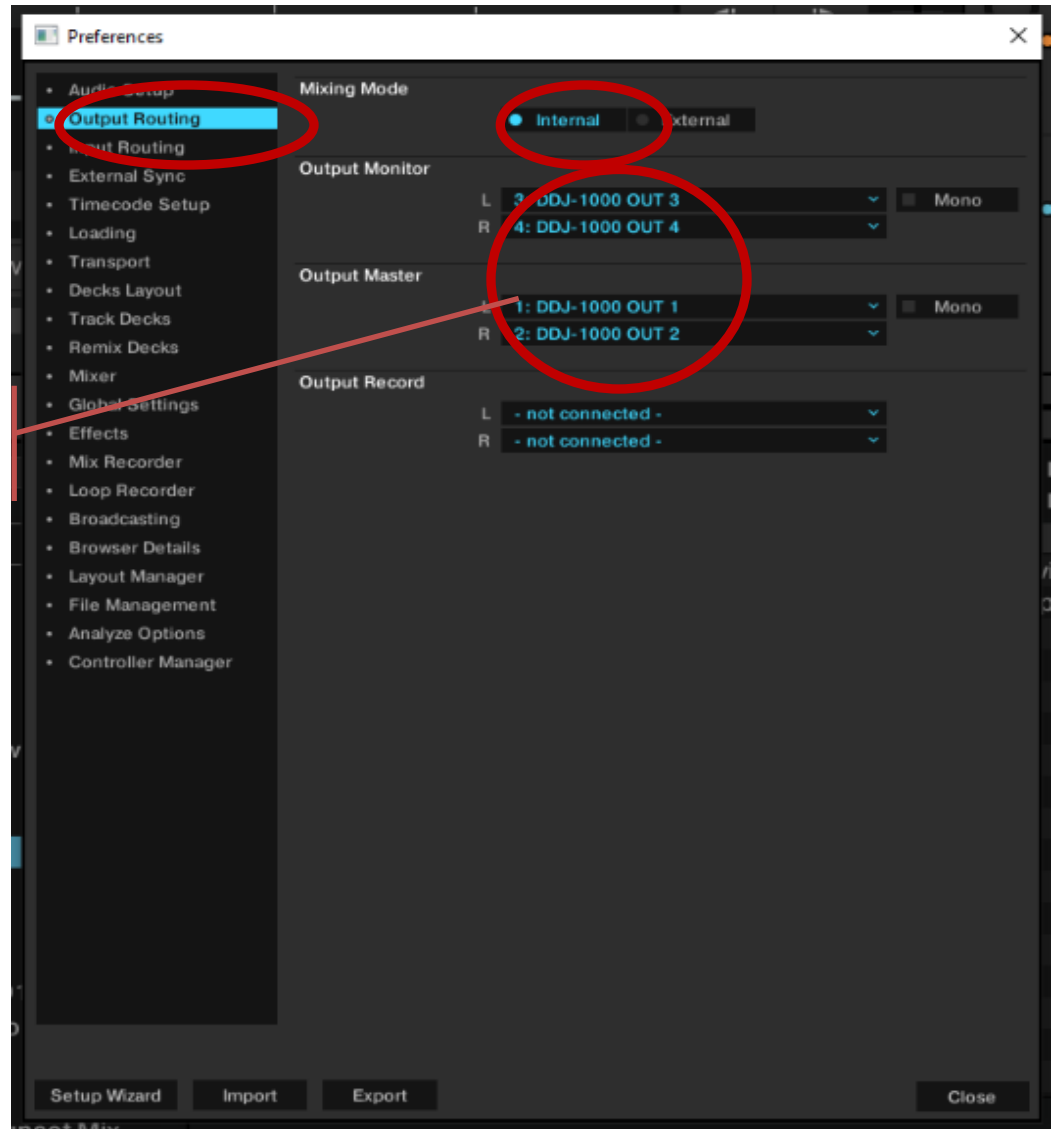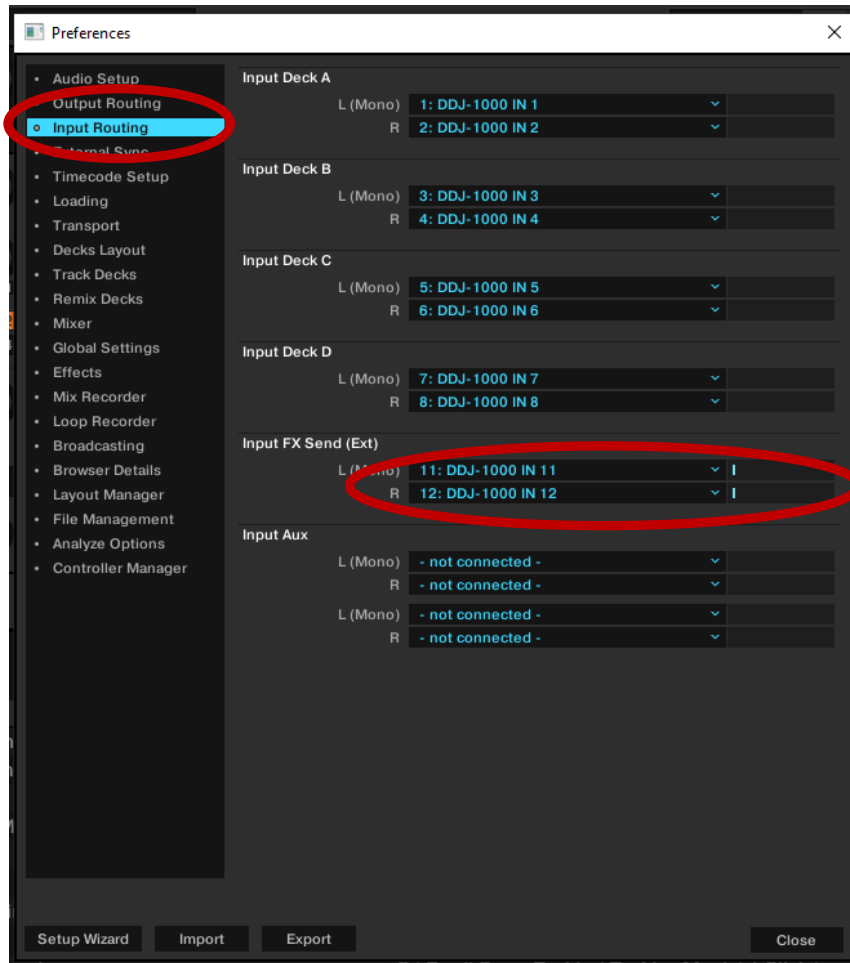
## TRAKTOR: check output routing

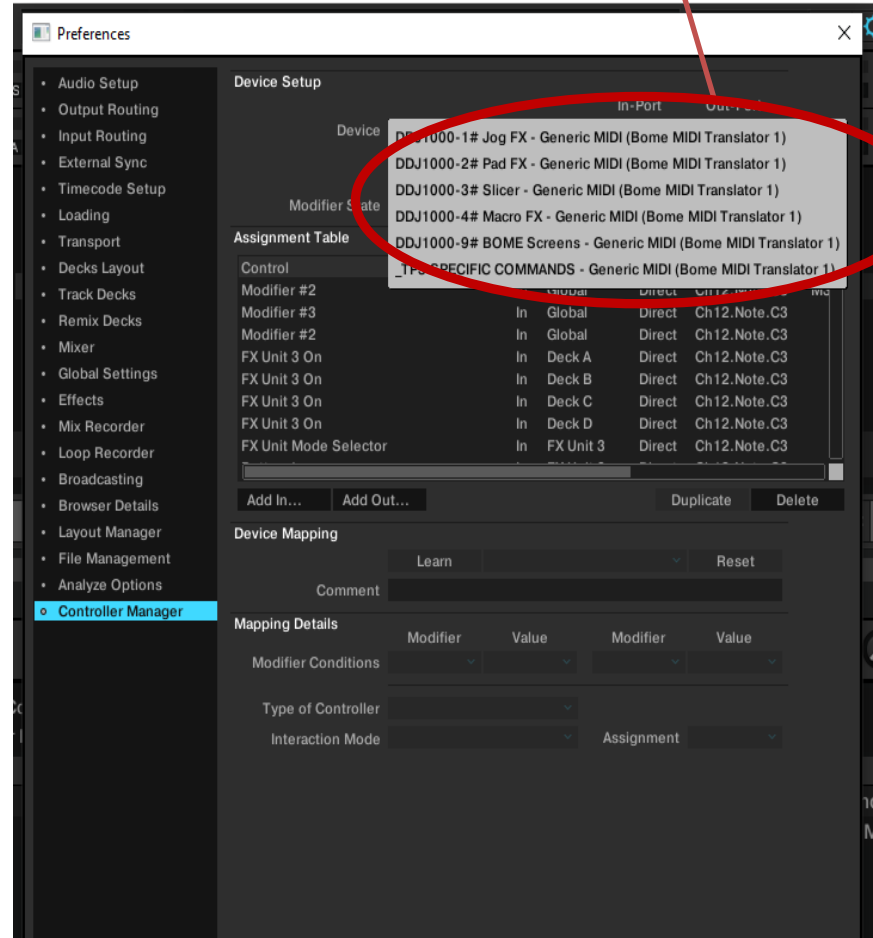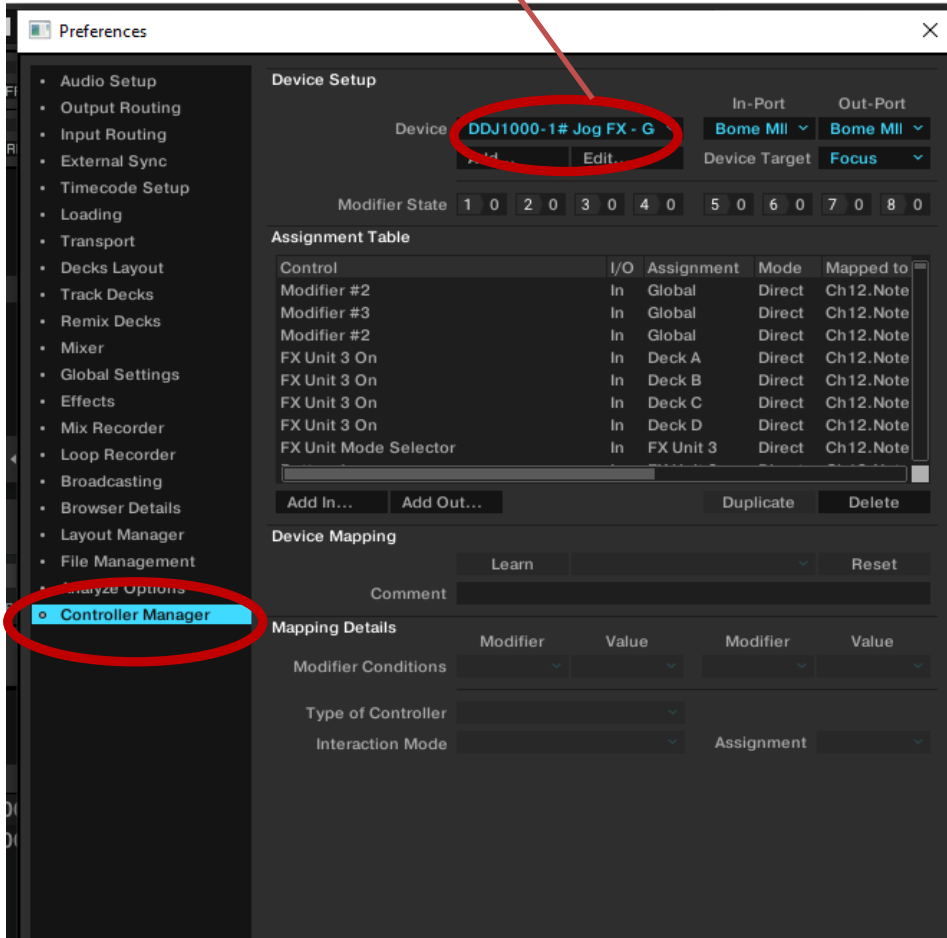Configure your channels with 3 / 4 / 1 / 2

# TRAKTOR: how to record Traktor + CDJs

# *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

# IF ITS STILL NOT WORKING #1

*Re-confirm you have the "Bome midi Translator 1" on all 6x pages.*
*Re-confirm the DDJ-1000 is the audio device and is on the output/input routing*

*Advanced: Try setting the device to forced MIDI mode* (page 26 of the DDJ-1000 manual)
Steps: no USB cable, power off, left Play + Shift+Turn on, left Slip Reverse ON; power ON, insert USB cable.

# IF ITS STILL NOT WORKING #2

*Make a HD video of the verification steps, INCLUDING THE BOME LOG.*

*Upload the video to https://wetransfer.com so that I can read the small text*
*Send an email to pedro.estrela@gmail.com*

# ANNEX: DDJ-800