

# 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).*

# Step #0

**CONFIRM THAT REKORDBOX DJ  
WORKS IN YOUR SYSTEM!**

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

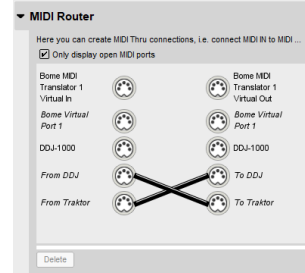
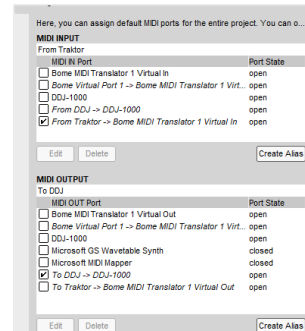
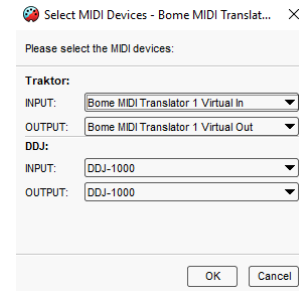
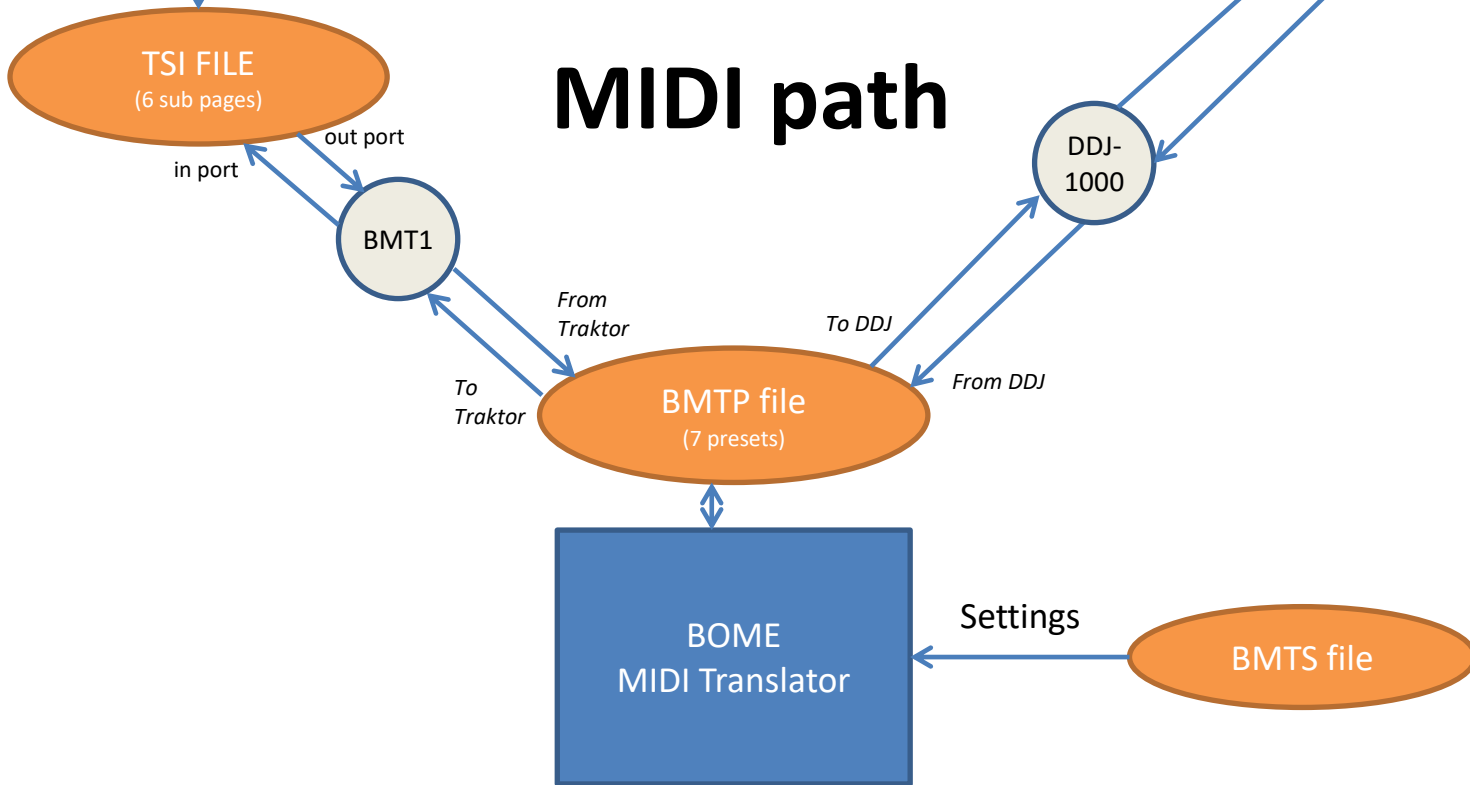
Firmware download: <https://www.pioneerdj.com/en/support/software/controller/ddj-1000/#firmware-update>

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

# AUDIO path



# MIDI path



# Step #1

## **BOME-MAP INSTALLATION**

*do not skip any step!*

## PRELIMINARIES:

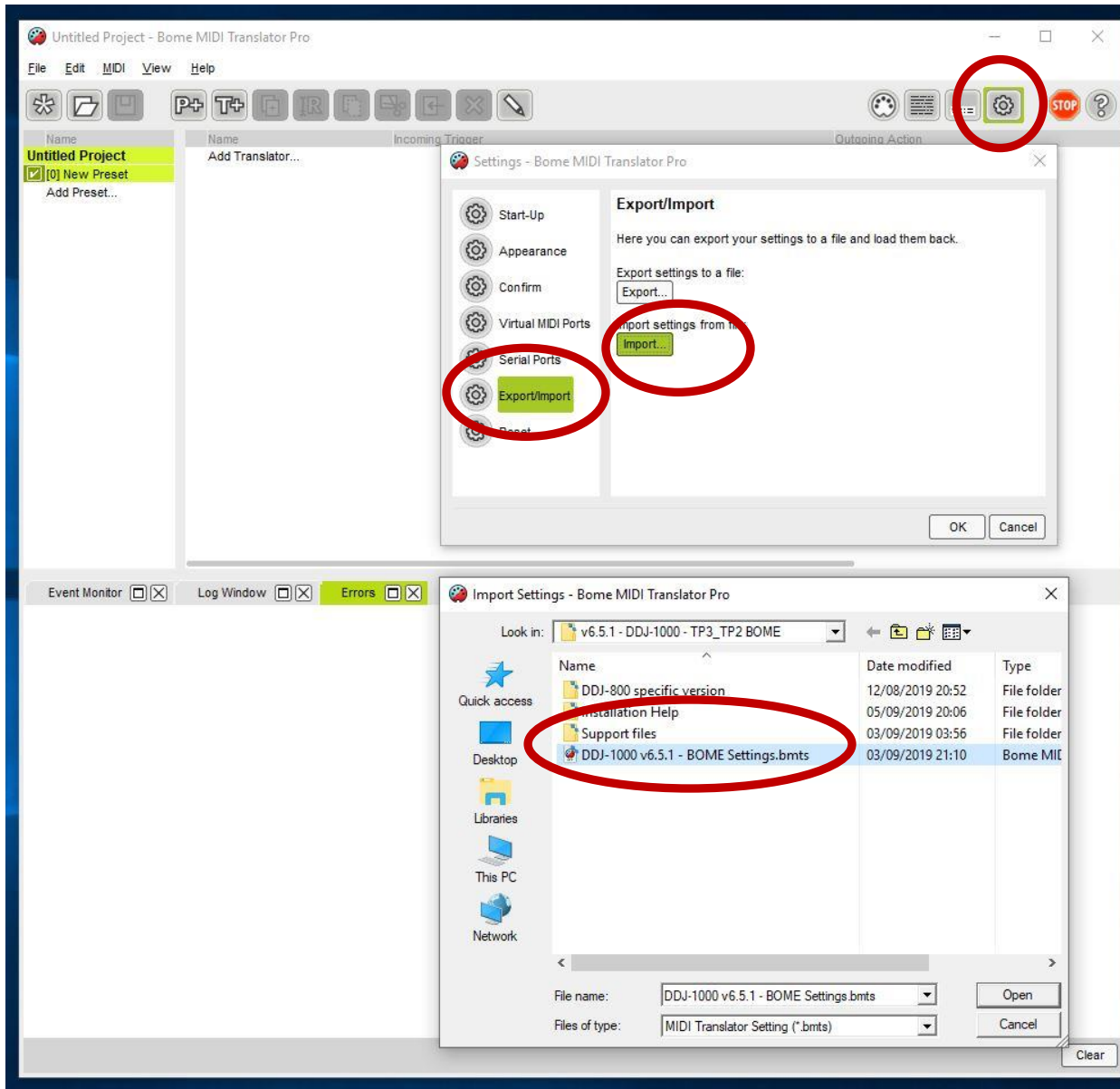
1. Stop Rekordbox
2. Stop Traktor
3. Expand all files in the zip file
4. Connect the USB cable
5. Turn on your DDJ-1000.
6. Download and Install the BOME trial from  
<https://www.bome.com/products/miditranslator#downloads>

## INSTALLING BOME MAPPING:

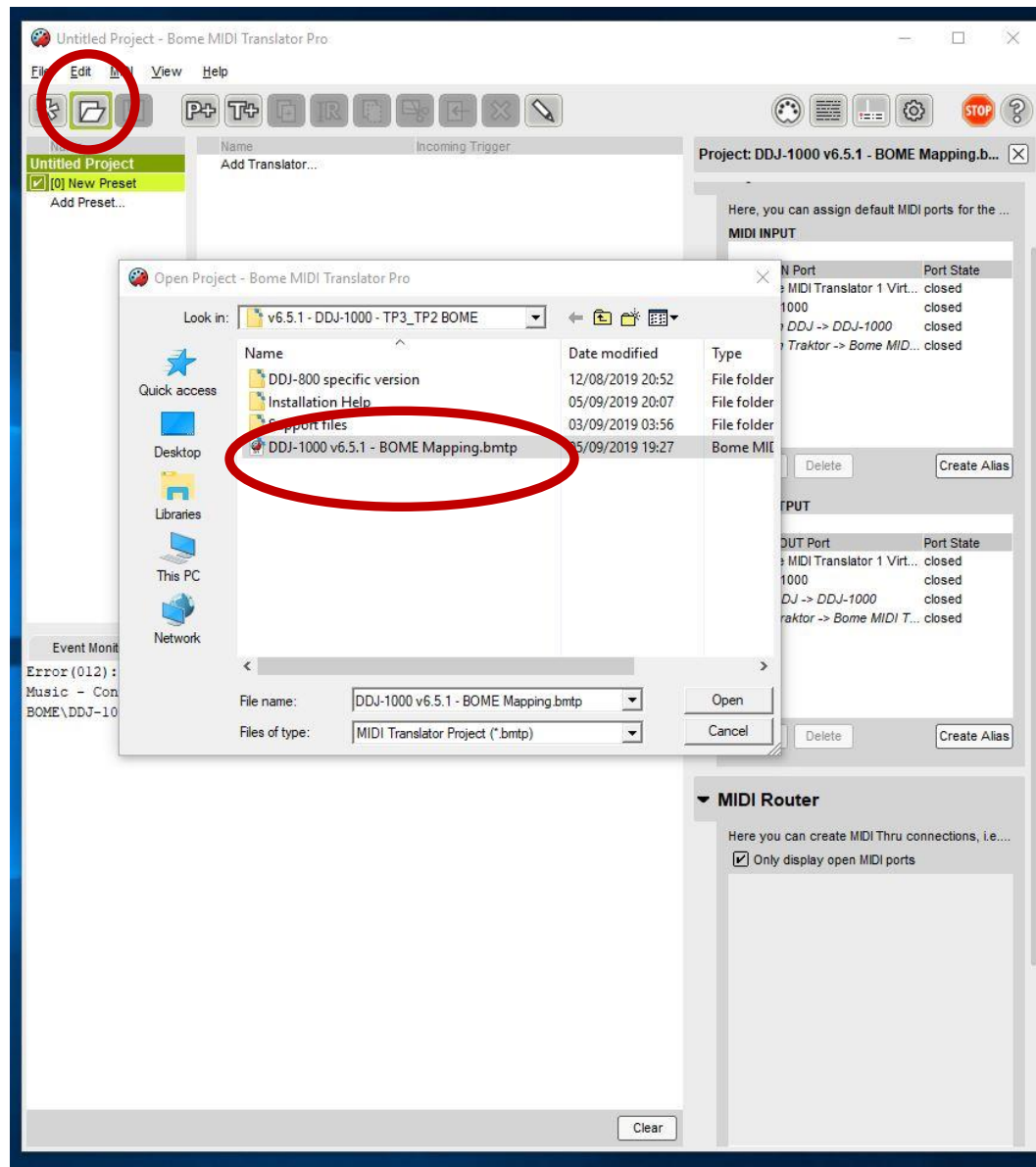
1. Open BOME. DO NOT RUN TRAKTOR!
2. Settings: Import the settings file
  1. Method: menu View; settings; export/import; import; select BMTS file
3. Mapping: load the mapping file
  1. Method: Click menu File; Open; select BMTP file
4. Do not mix up the Settings file with the Mapping file!



# BOME: import settings file (BMTS file)



# BOME: import mapping file (BMTP file)



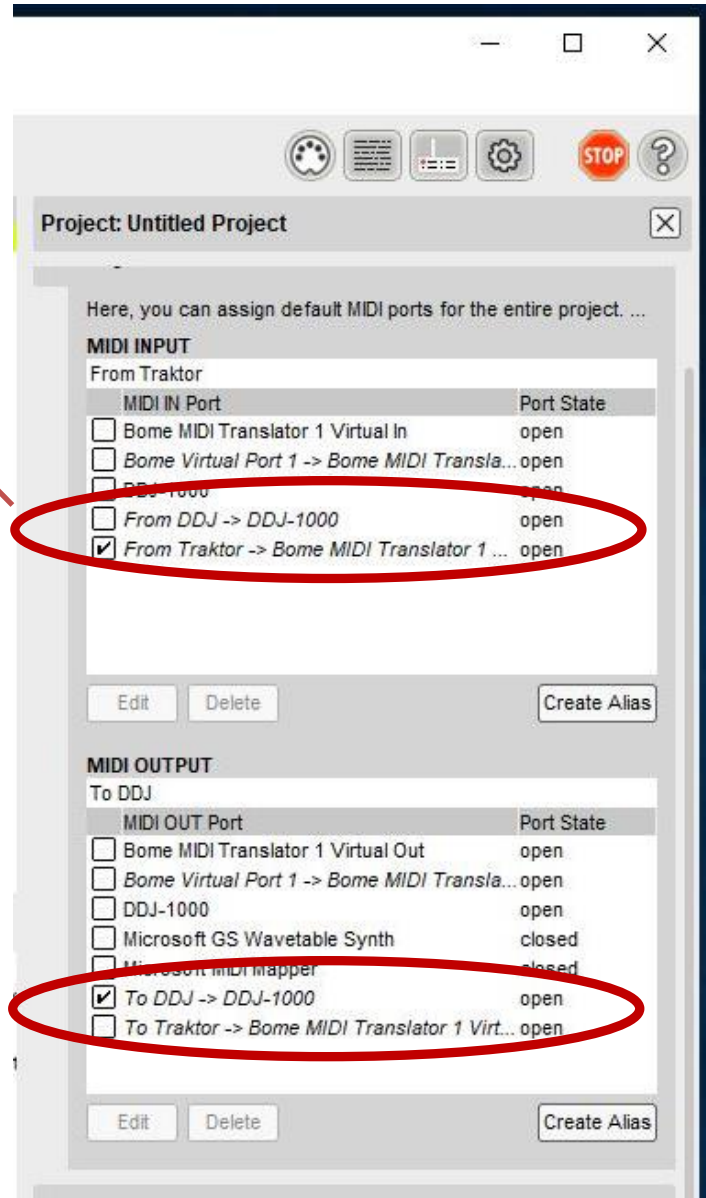
# BOME: Devices

confirm the devices are OPEN!

Default is ONLY :

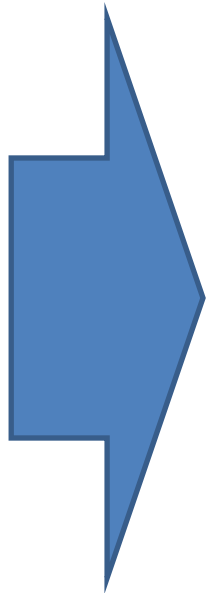
- "From Traktor" OPEN
- "to DDJ" OPEN

If you have problems here confirm tat Rekordbox Performance works in your system





## 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

# Step #2

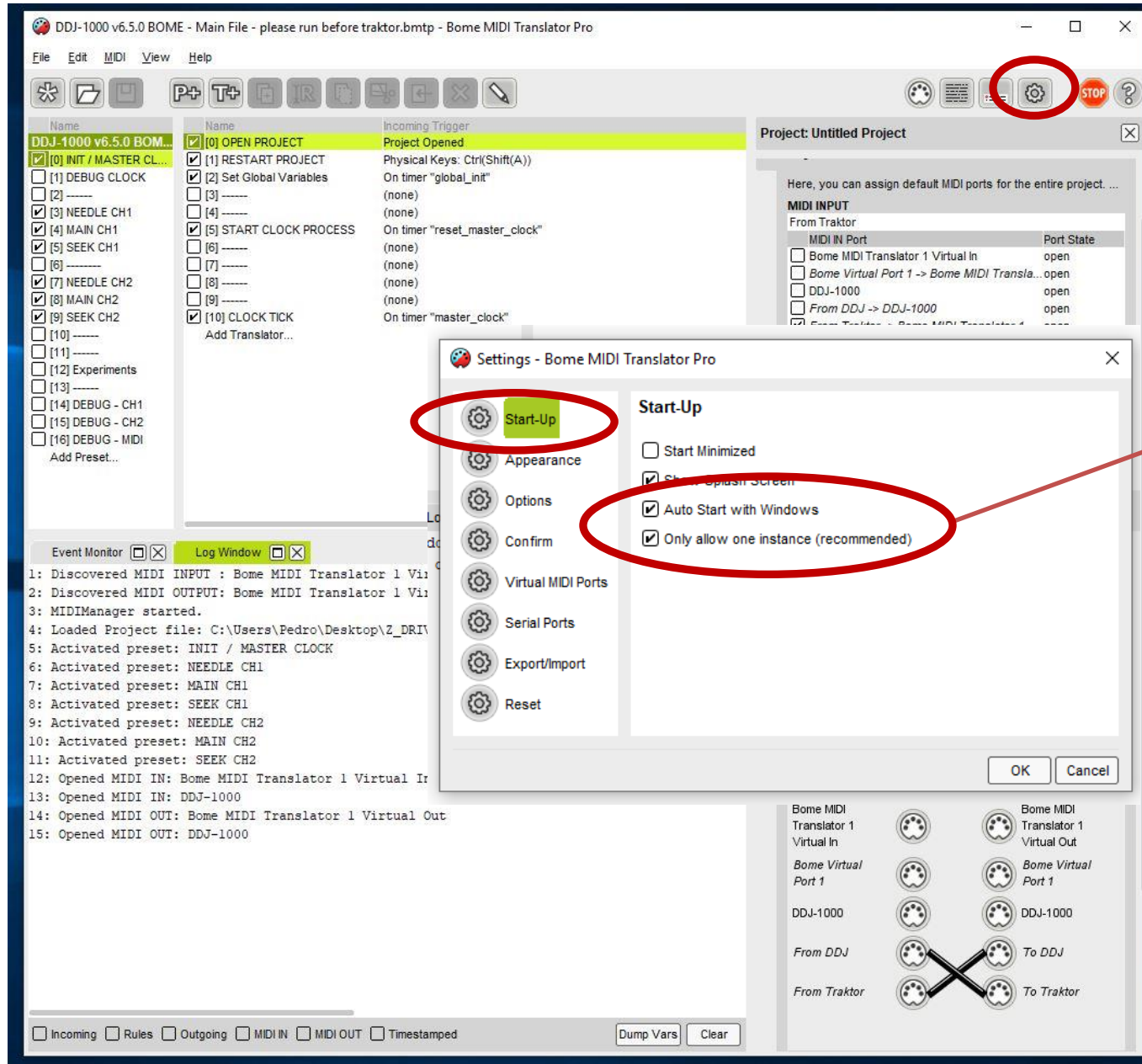
## **BOME-MAP VERIFICATION**

*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

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

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

Dump Vars Clear

Long port names!

# BOME: Correct startup log

The screenshot shows the DDJ-1000 v6.5.0 BOME software interface. A central grey box contains the following text:

Do not change this!

Default is ONLY

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

confirm devices are OPEN!

On timer "master\_clock"

Annotations include:

- A red circle around the "Log Window" button in the Event Monitor.
- A red circle around the "MIDI INPUT" section in the Project: Untitled Project dialog.
- A red circle around the "MIDI OUTPUT" section in the Project: Untitled Project dialog.
- A red circle around the "MIDI Router" section in the Project: Untitled Project dialog.
- A red circle around the "Log Window" button in the Event Monitor.
- A red circle around the "Log Window" button in the Event Monitor.

The Event Monitor log shows the following messages:

```
1: Discovered MIDI INPUT: 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
```

The Project: Untitled Project dialog shows the following MIDI connections:

MIDI INPUT

From Traktor	Port State
Bome MIDI Translator 1 Virtual In	open
Bome Virtual Port 1 -> Bome MIDI Translator 1 Virtual Out	open
DDJ-1000	open
From DDJ -> DDJ-1000	open
From Traktor -> Bome MIDI Translator 1 Virtual Out	open

MIDI OUTPUT

To DDJ	Port State
Bome MIDI Translator 1 Virtual Out	open
Bome Virtual Port 1 -> Bome MIDI Translator 1 Virtual In	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 In	open

MIDI Router

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

☒ Only display open MIDI ports

From	To
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

Do not change this "cross"!

4x messages here!

## BOME: confirm DDJ talks to BOME

The screenshot shows a MIDI debugging interface. At the top, there are two tabs: 'Event Monitor' and 'Log Window'. The 'Log Window' tab is selected and highlighted in yellow. Below the tabs, a list of four MIDI events is displayed:

- 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

A red circle highlights the 'Log Window' tab, and a red line points from a text box to it. Another red circle highlights the 'MIDI IN' and 'MIDI OUT' checkboxes in the bottom status bar, with a red line pointing from a text box to it.

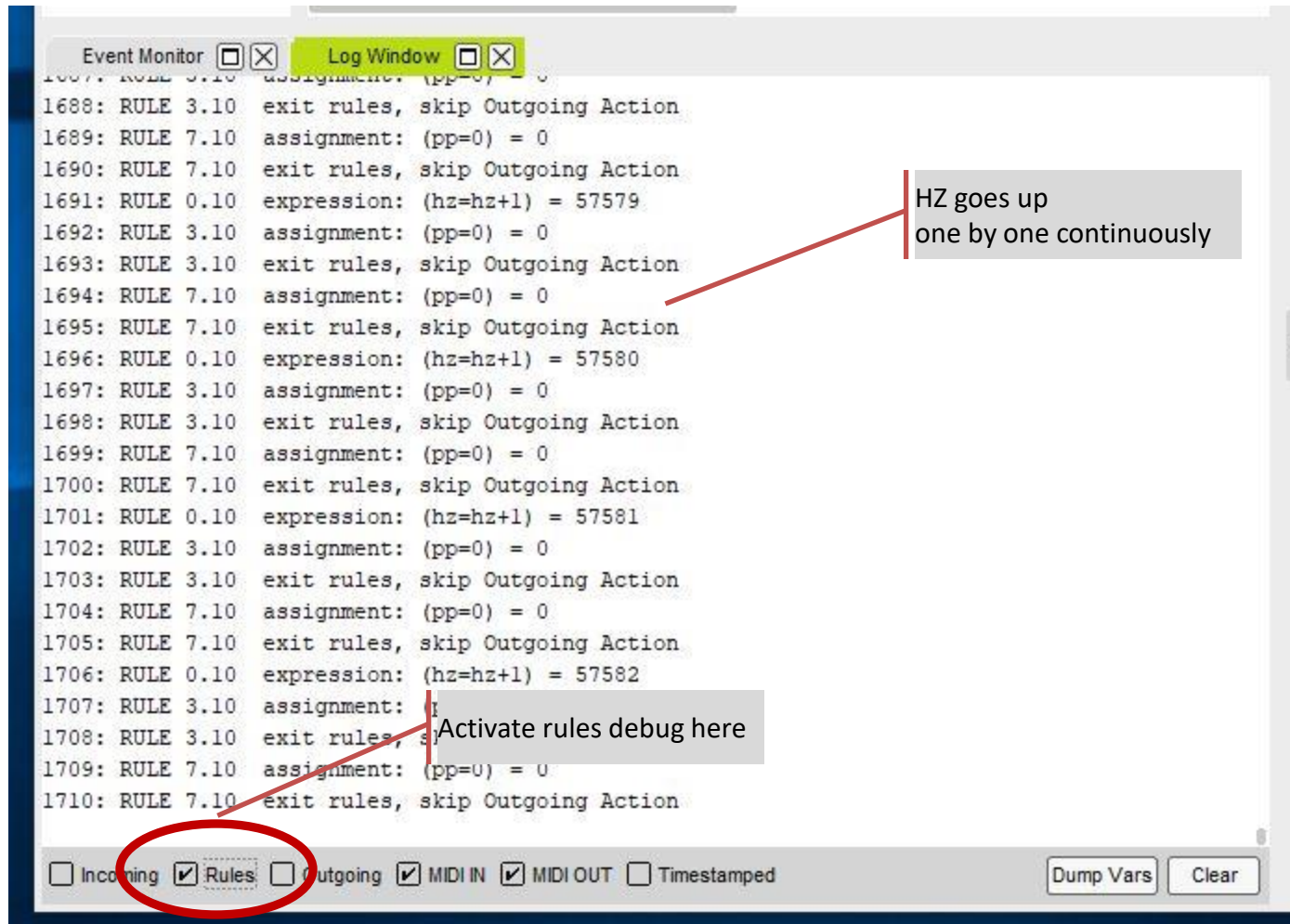
Pressing and releasing any button generates 4 log lines. This is always in the DDJ->BMT1 direction

Activate MIDI debug here

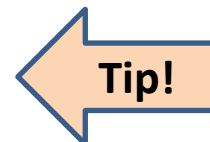
☐ Incoming ☐ Rules ☐ Outgoing ☒ MIDI IN ☒ MIDI OUT ☐ Timestamped Dump Vars Clear



## BOME: confirm internal clock



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





# Step #3

## TRAKTOR-MAP INSTALLATION

*do not skip any step!*

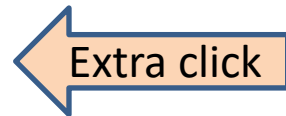
## CREATE A BACKUP:

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:

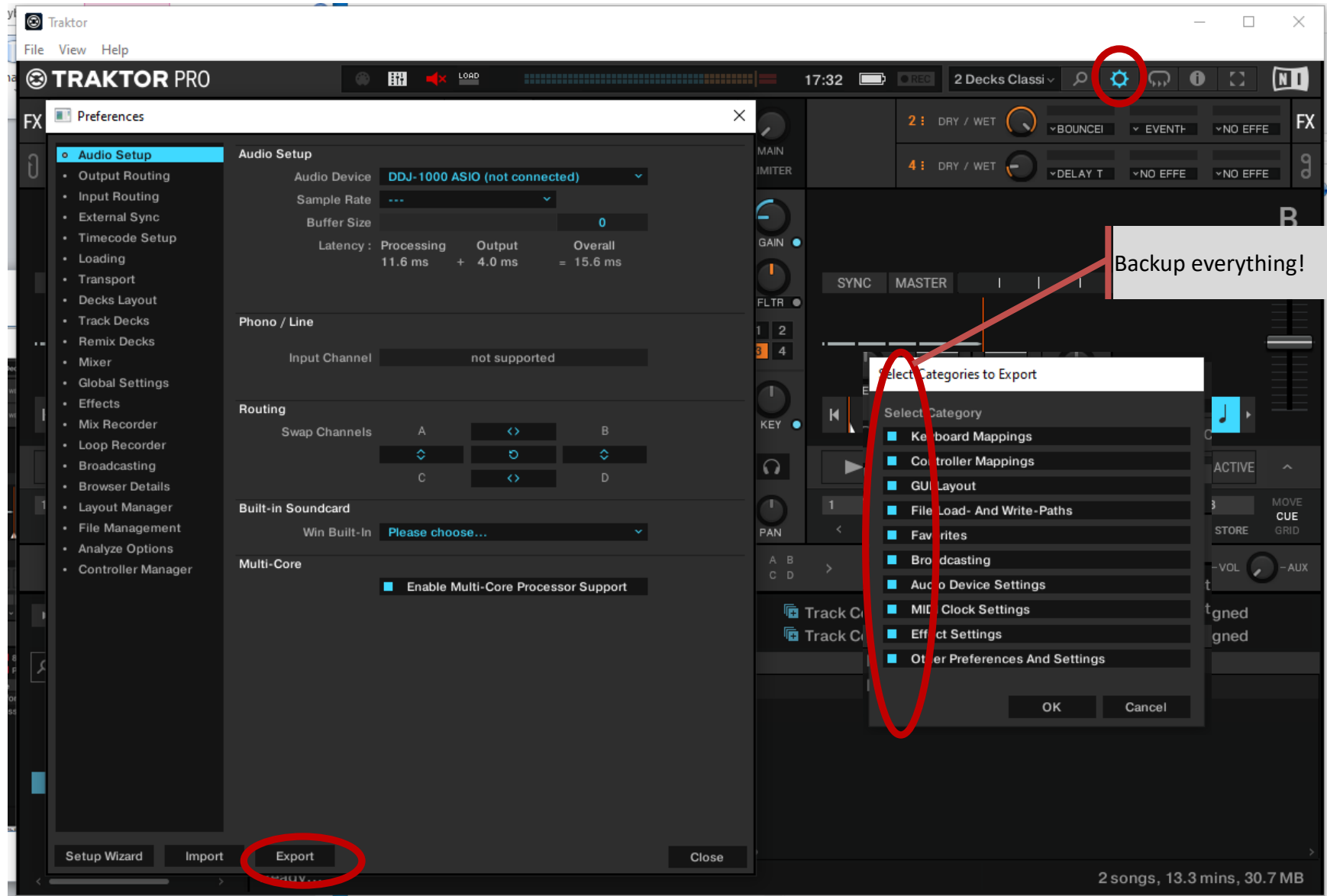
1. Click Settings
2. Click big “import button” on lower left corner
3. Accept all checks; PLUS additionally click the “Audio device settings”



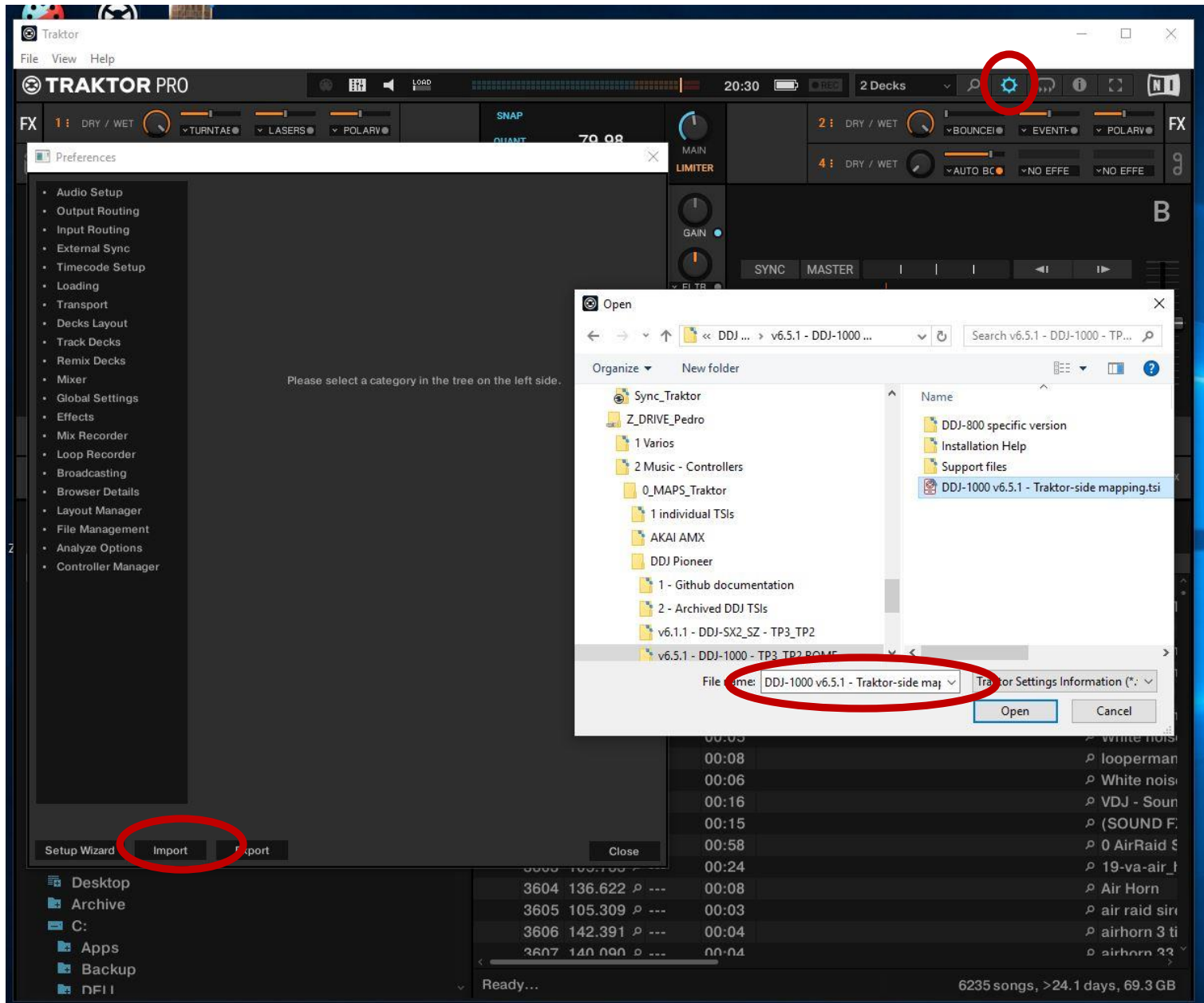
## INSTALL TRAKTOR MAPPING (second time):

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

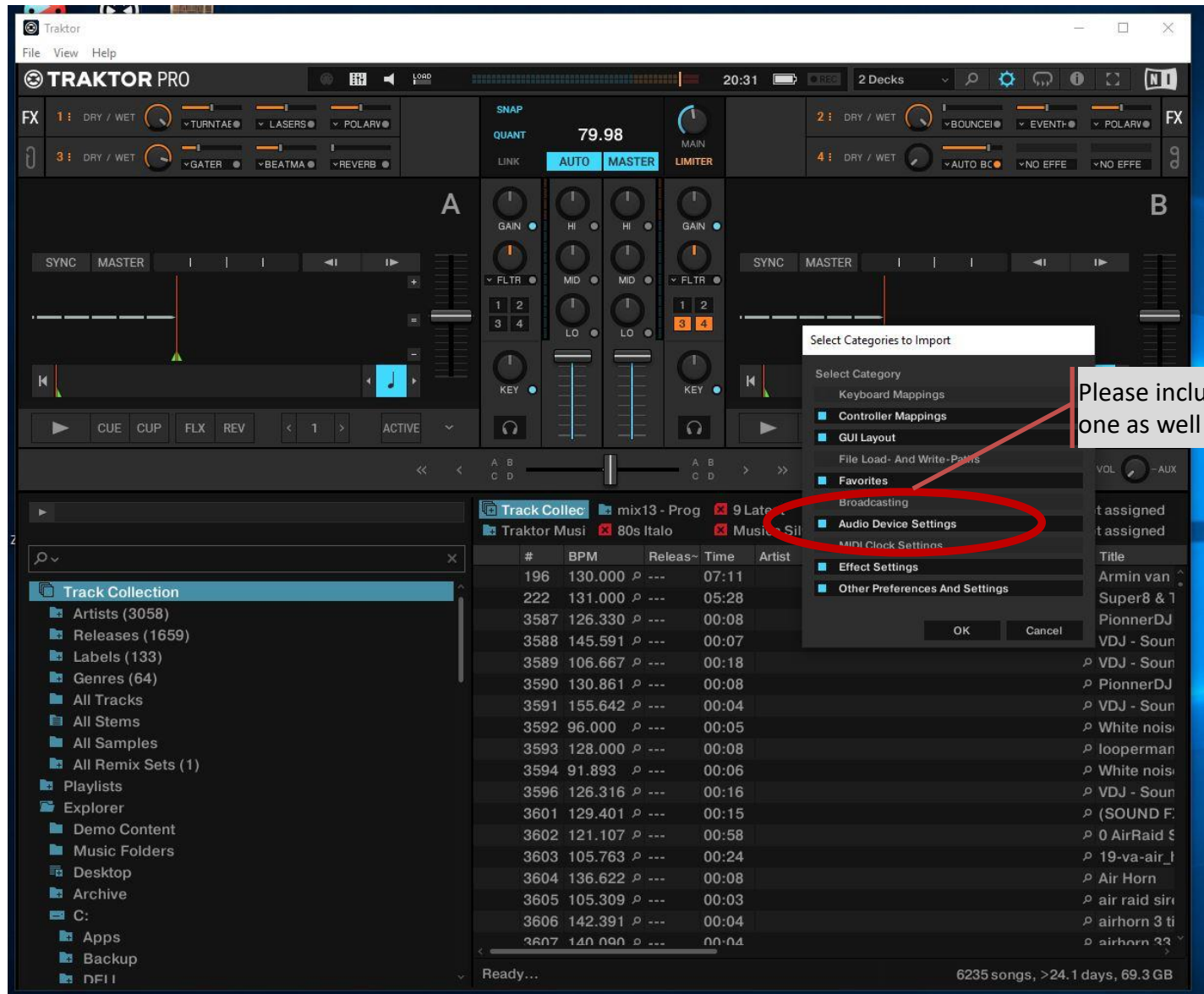
# TRAKTOR: create backup of your settings



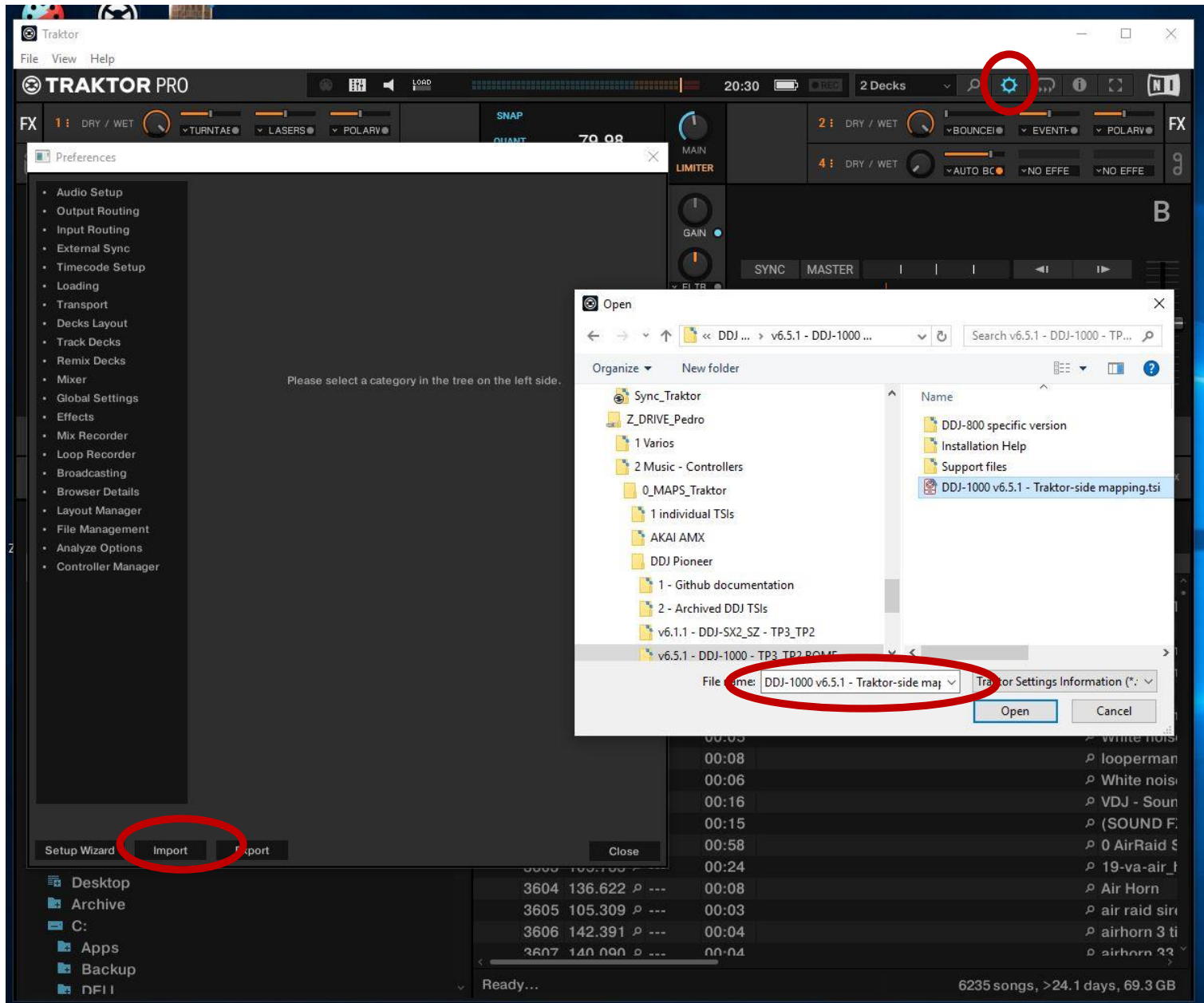
# TRAKTOR: import mapping



# TRAKTOR: click audio device config



# TRAKTOR: import mapping (second time)



# Step #4

## TRAKTOR-MAP VERIFICATION

*do not skip any step!*

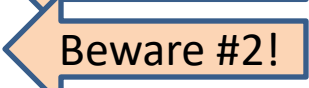
## TRAKTOR VERIFICATION:

*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!!!**
  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



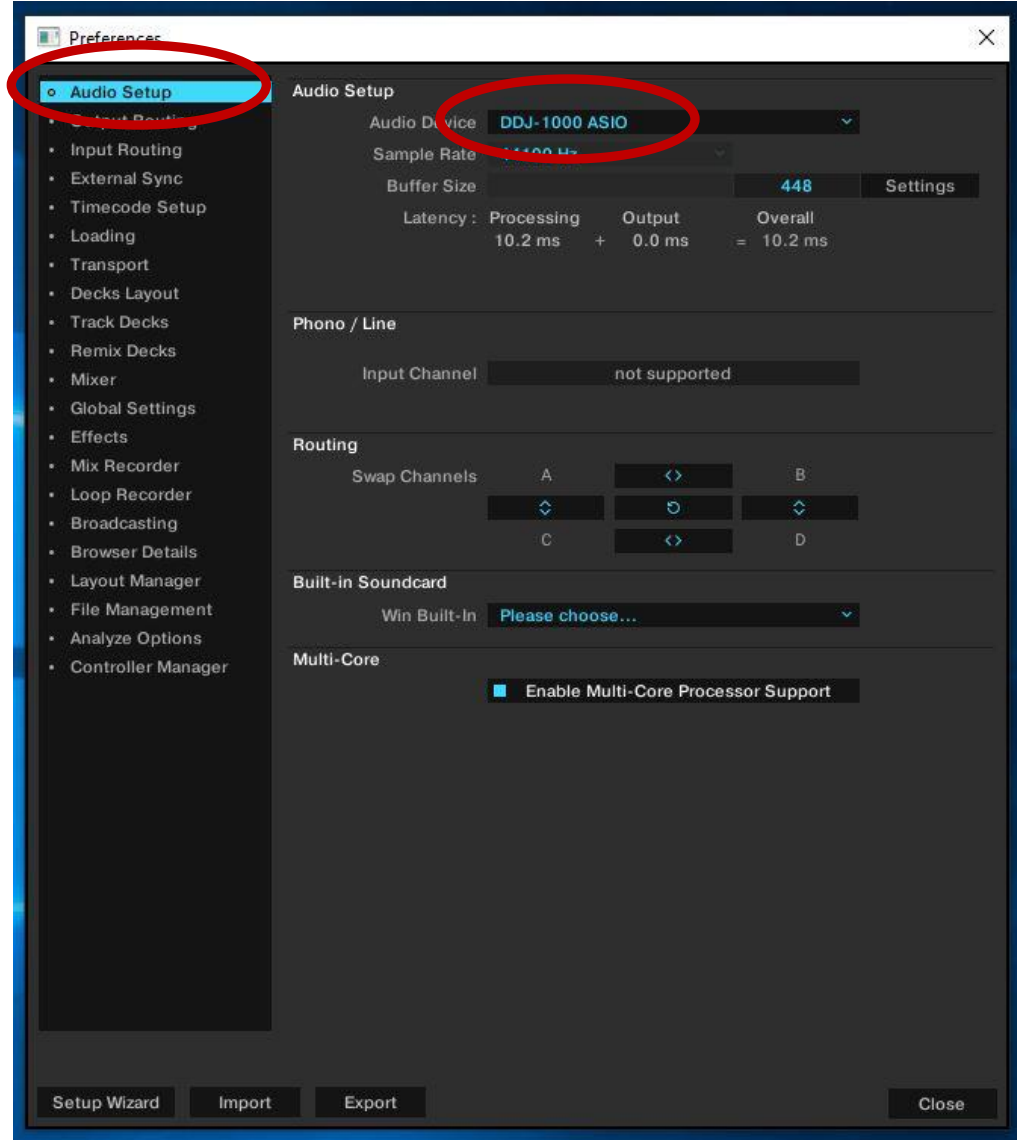
Beware #1!



Beware #2!

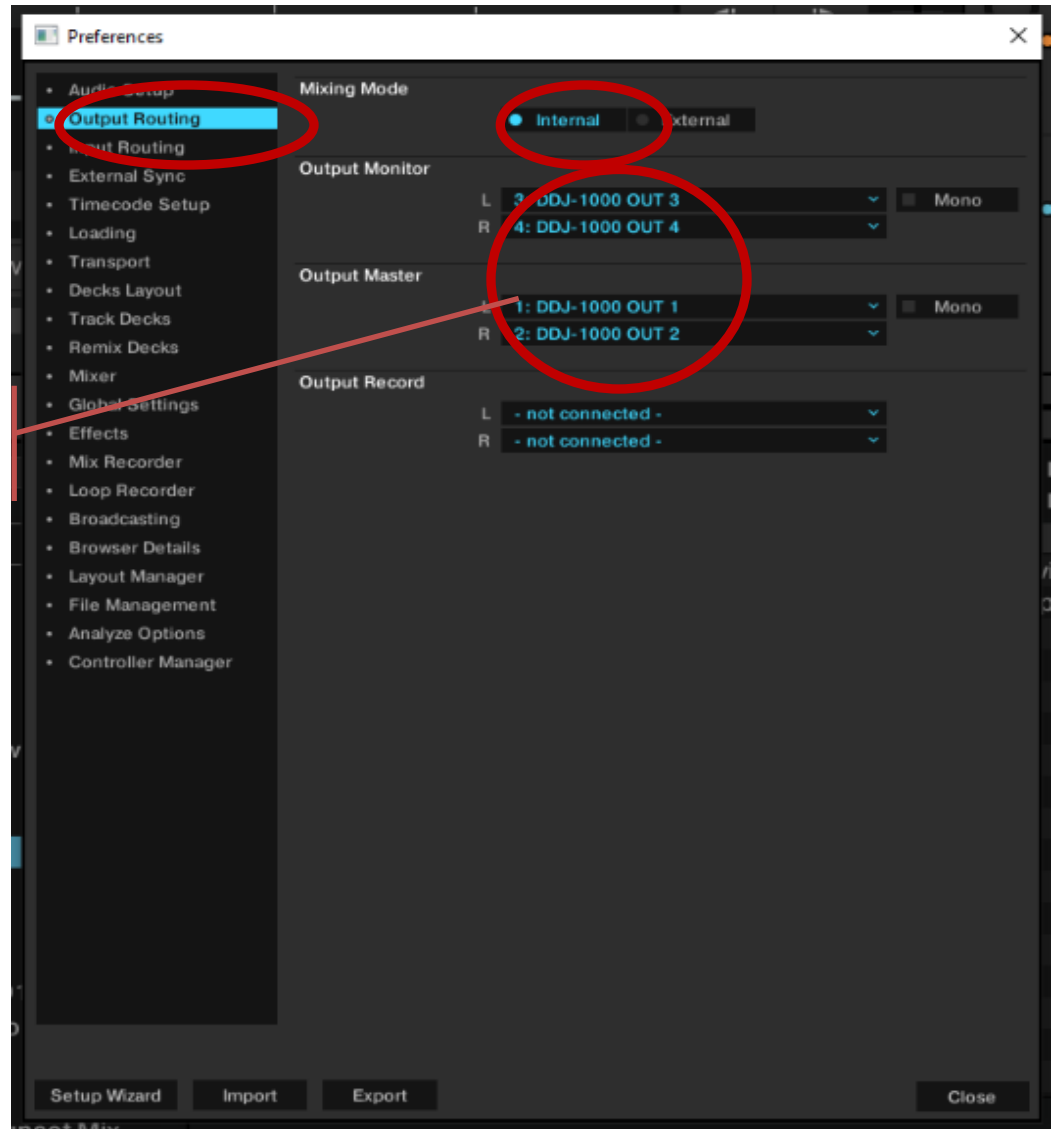


# TRAKTOR: check audio device



## TRAKTOR: check output routing

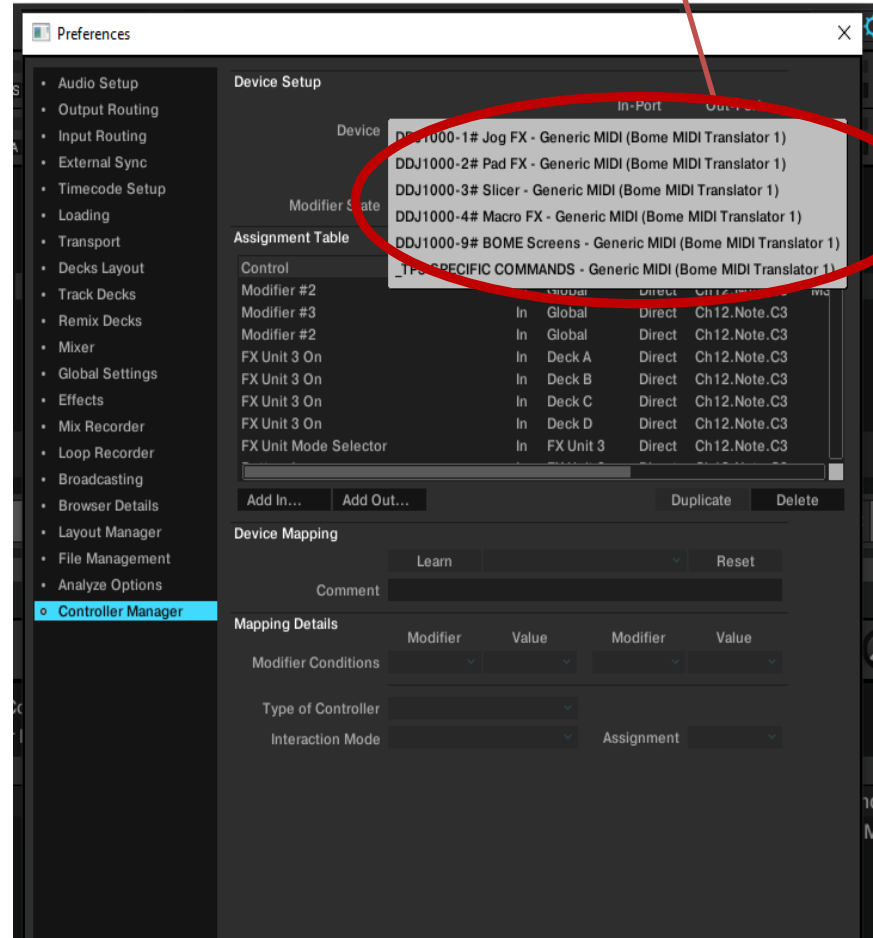
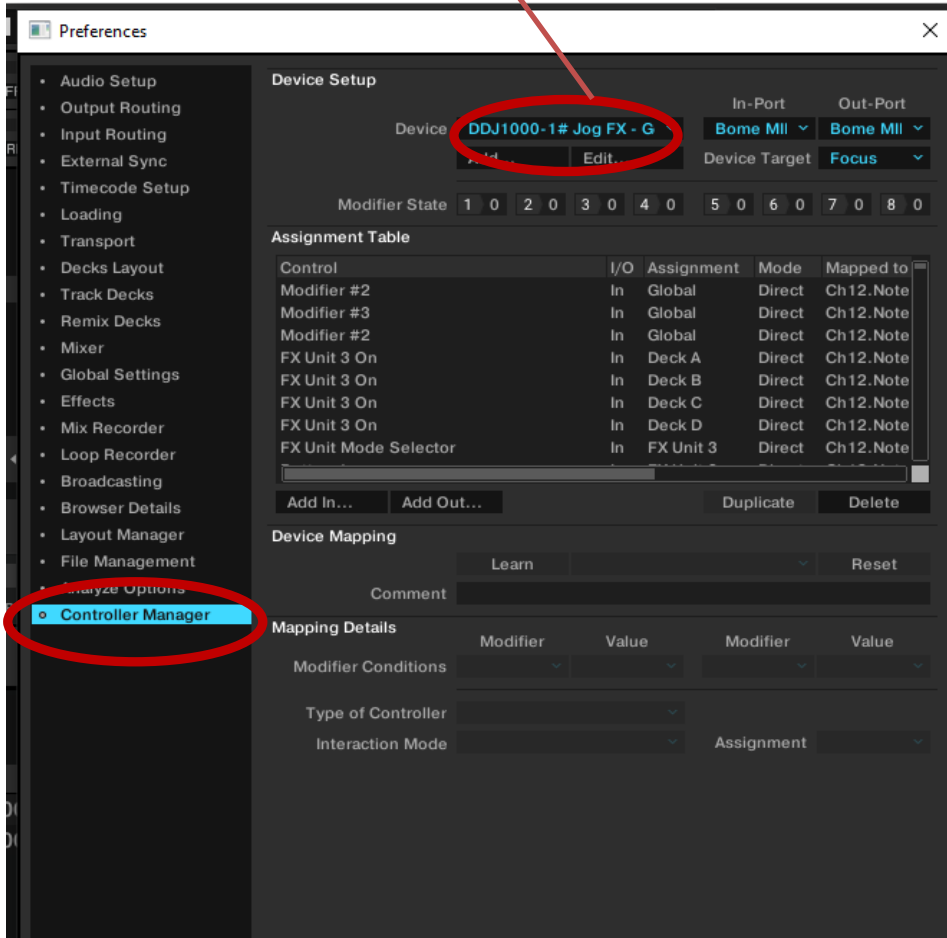
Configure to your channels  
here!



# TRAKTOR: check MIDI device is long format

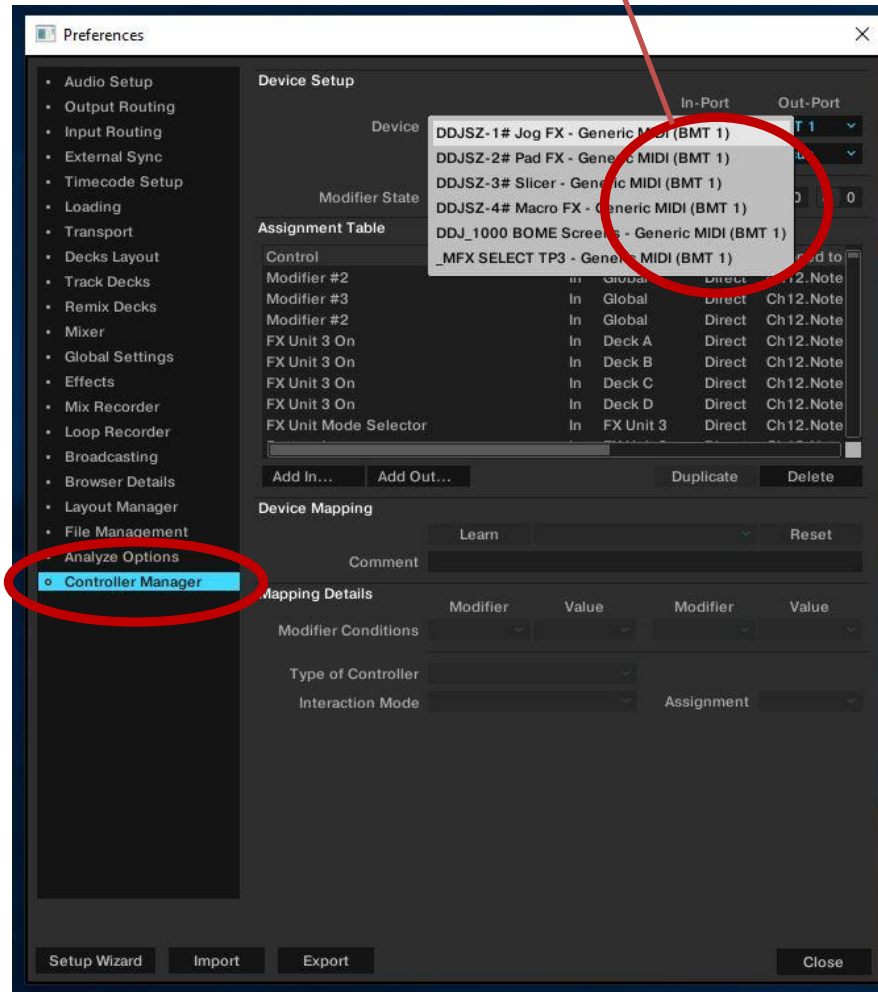
first click here

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



# TRAKTOR: MIDI via "BMT1"

ALL 6 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
```

☐ 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*

# 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](mailto:pedro.estrela@gmail.com)*