

BOME+Traktor installation guide for Pioneer DDJ controllers

Installation video: https://youtu.be/MbGP_ECnWiQ

Installation pdf: <https://bit.ly/351FtCe>

NOTE #1: There is several pdf documents and videos to learn this mapping.
For an overview, see [page 3](#).

NOTE #2: There are several mapping versions: Free/paid, and with/without BOME.
For a comparison, see [page 4](#).

NOTE #3: There are optional costs involved. However everything can be tested for free.
For a breakdown, see [page 5](#).

NOTE #4: the Zip file contains the free and demo versions. To buy the full version, send an email to pedro.estrela@gmail.com.

NOTE #5: This guide is a companion to the step-by-step video. It covers **all** Pioneer DDJ controllers, both Windows and Mac.
Only difference is Aliases (page 18) and Output (page 37). See the annexes for other DDJs instructions (page 53).

NOTE #6: There are **3 files** to install: a) settings for BOME (page 16); b) mapping for BOME (page 17); c) mapping for Traktor (page 24). The bome settings may have issues on macOS. The Traktor mapping must be imported twice. Do **not** configure "DDJ-XXX" in the controller manager (page 35)!

NOTE #7: Issues? Reconfirm **all** steps of this guide and the step-by-step video. See also the FAQ in a separate pdf.
See also the "gotchas" (page 44). I also offer a remote help service (page 46).

INDEX:

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Step #1	Download the <u>Zip file</u> from DJ TechTools
Step #2	Install the <u>Bome trial</u>
Step #3	Install the <u>Bome mapping</u>
Step #4	Install the <u>Traktor mapping</u>
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Annex B	Specific info for sx2/sz/srt/800, xdj-xz

WHICH VERSION TO CHOOSE? (DDJ-1000)

	Normal	BOME	Idea
Installation	Easy	Complex	
Preferences window	10s	2s	
Bome required?	✗	✓	
Jog Screens	✗	✓	DDJ-1000SRT

Basic features	✓	✓	Any map
7x JogFX	✓	✓	DJTT Maps
21x PadFX, Slicer	✓	✓	Rekordbox
Smooth Echo	✗	✓	S11
Dual Deck	✗	✓	S11
Polyrhythmic loops	✗	✓	CDJ-3000
16x Filters	✗	✓	RMX-1000
Resonant filter	✗	✓	DJM-900
STEMS	✗	✓	S4 MK3
Remix decks	✗	✓	S4 MK3
Pattern Recorder	✗	✓	S4 MK3
Tempo enlarger	✗	✓	Rekordbox
Tone Play	✗	✓	Pitch'n'Play
TurnTable break	✗	✓	CDJs
Loop jog adjust	✗	✓	CDJs

HOW TO TEST THE MAPPING FOR FREE

The mapping is free. To try it, just download the traktor demo and the bome demo. Only limitation is a 30 minutes time limit

FREE MAPPING

<https://maps.djtechtools.com/mappings/9279>



2020 DDJ-1000 v7.3.0 - Mapping for Traktor Pro 3+2 with Jog Screens - DJ Estrela

Screens - DJ Estrela

Upload an edit of this mapping Sign in to download

ddj_estrela

Member since January 8, 2018

Mappings 14

Soundpacks 0

Facebook <https://www.facebook.com/>

Homepage <http://djestrela.com/>

Description and Instructions

2020 DDJ-1000 v7.3.0 - Mapping for Traktor Pro 3+2 with Jog Screens - DJ Estrela

UPDATE: v7.3 fixed the performance issues in MacOS Catalina.

Updated January 12, 2021

TRAKTOR DEMO

<https://www.native-instruments.com/en/products/traktor/dj-software/traktor-pro-3/demo-and-downloads/>

FREE TRAKTOR PRO 3 DEMO

Flagship four-deck DJ software built for the club. Customizable interface, and powerful creative tools for DJing freedom.

- Version 3.4.2
- Mac OS: 396 MB
- Windows: 469MB

Note: The demo version closes after 30 minutes, but can then be reopened to try again.

The download links for Mac and PC versions will be sent to your email address.

Email

Country and Area

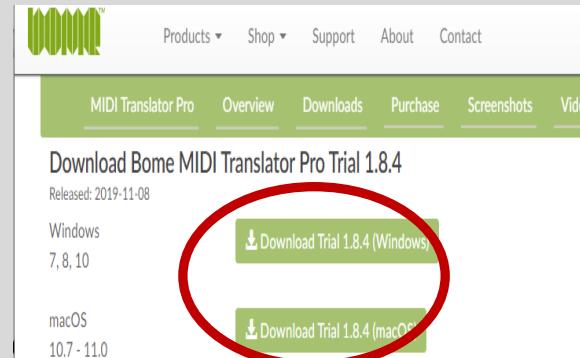
 United Kingdom

GET DOWNLOAD LINK

We will never share your email address!

BOME DEMO

<https://www.bome.com/products/miditranslator>



Products ▾ Shop ▾ Support About Contact

MIDI Translator Pro Overview Downloads Purchase Screenshots Video

Download Bome MIDI Translator Pro Trial 1.8.4

Released: 2019-11-08

Windows
7, 8, 10

macOS
10.7 - 11.0

Download Trial 1.8.4 (Windows)

Download Trial 1.8.4 (macOS)

→ Download Archive → Version history

Updates

Already own MIDI Translator Pro?
Please register or log in to retrieve your license key and to download the latest version.

→ My Account

V7 OPTIONAL COSTS

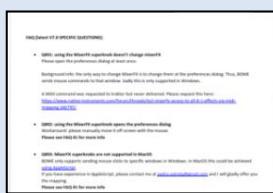
Item	Cost	Recipient	Reason	Can I skip this cost?
BOME license	60 eur	BOME	Necessary to break Traktor limitations	Yes. Use 6.3.3 instead
Remote Install	30 eur	DJ Estrela	Hands-on work	Yes. See my step-by-step 60-page guide and 20-min video
Training	30 eur	DJ Estrela	Hands-on work	Yes. See my 70-page manual and step-by-step 90-min video

HOW TO LEARN THIS MAPPING

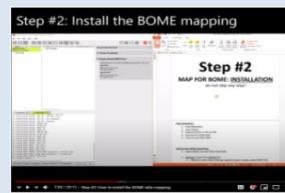
Installation:



Installation guide (50 pages)



FAQ (6 pages)

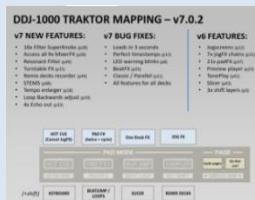


Step-by-step video (20 min)

Usage:



Quick Start (8 pages)



Manual (80 slides)



Detailed video (90 min)



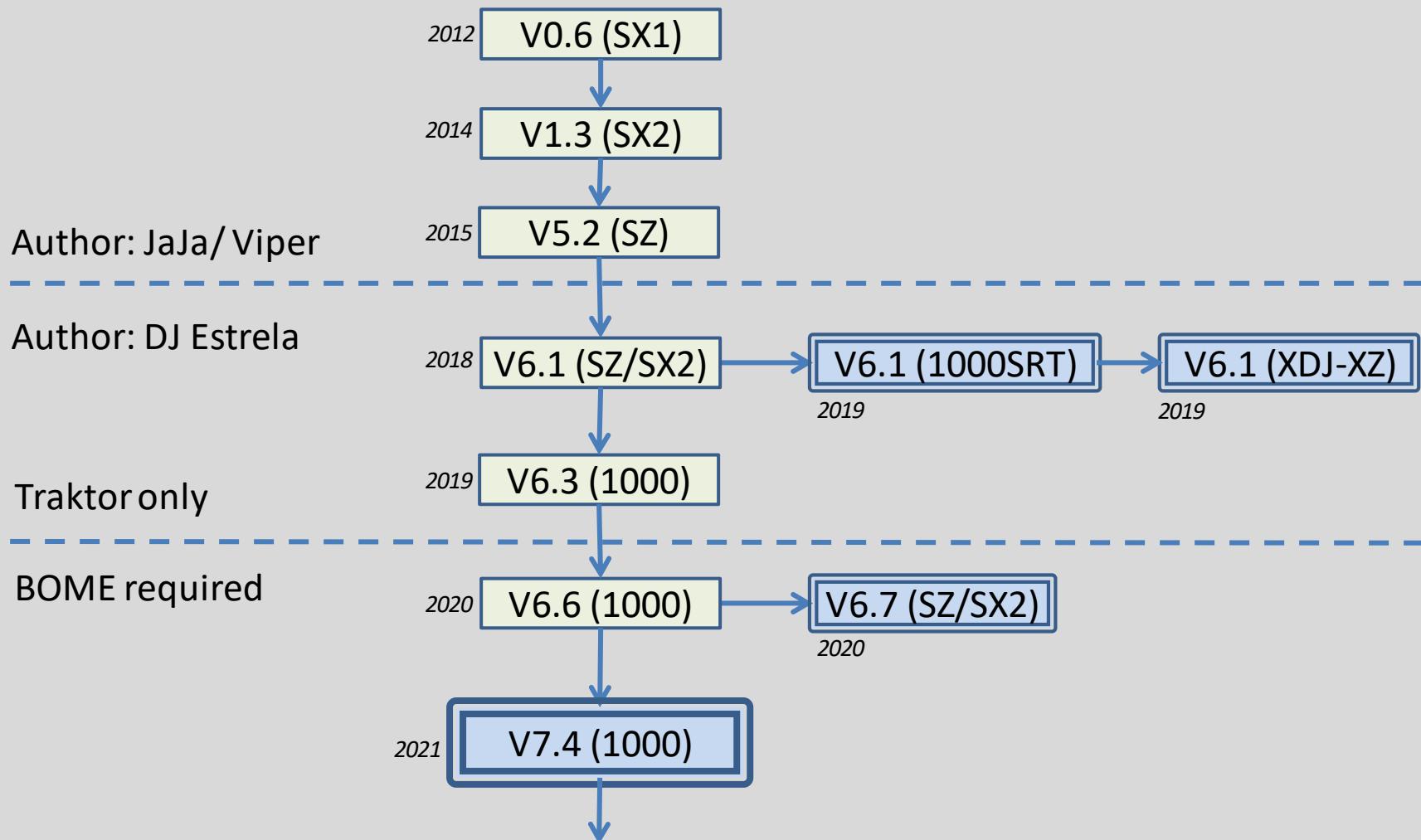
Full Reference (5 pages)

Link to Documentation PDFs: <https://bit.ly/2M5ZemX>
Link to Videos: <https://www.youtube.com/user/djestrela2>
Link to Survey: <https://forms.gle/cf8kqpr91HHxMJcn8>

MAIN MAP LIMITATIONS

Limitation	Reason	Workaround
No Big Sur	<ul style="list-style-type: none">Not tested	<ul style="list-style-type: none">Use Catalina / Windows
Slow Scratching	<ul style="list-style-type: none">Impossible in MIDI	<ul style="list-style-type: none">This is enough for non-turntablists
No waveforms	<ul style="list-style-type: none">Impossible in MIDI	<ul style="list-style-type: none">Serato-like screens have all the basics
No Pioneer FX per USB channels	<ul style="list-style-type: none">HW limitation	<ul style="list-style-type: none">Per USB-channel FX was replaced with Traktor effects (in some cases better)Analog sources (not DVS) have Pioneer FX
Complex installation	<ul style="list-style-type: none">BOME is required	<ul style="list-style-type: none">61-page step-by-step PDF20-minute videoRemote installation help (30 eur)
Extra costs required	<ul style="list-style-type: none">Bome is 3rd party package	<ul style="list-style-type: none">Everything can be tested for free via the bome trial

WHICH VERSION TO CHOOSE? (OTHER DDJs)



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

DOWNLOAD THE MAPPING

To download NEED to first register and then login in the DJTT site.

If it still fails, clear your cookies and use another browser.
5K persons have downloaded this mapping since Feb 2019.

DDJ-1000/800: <https://maps.djtechtools.com/mappings/9279>

DDJ-SX2/SZ/SRT: <https://maps.djtechtools.com/mappings/9222>

XDJ-XZ: <https://maps.djtechtools.com/mappings/10305>

1: CREATE AN ACCOUNT ON DJTECHTOOLS:

https://my.djtechtools.com/users/sign_up

The screenshot shows a web browser window for 'DJ TechTools - sign up' at the URL my.djtechtools.com/users/sign_up. The page features a large 'DJ TECHTOOLS' logo at the top right. Below it is a navigation bar with links for BLOG, SHOP, MIDIMAPS, and FORUM. A prominent blue banner in the center says 'We moved to a new shop! head over here to see'. On the right side, there's a sidebar with a 'Account & Help' dropdown menu. The menu items are circled with red numbers: 'Sign up' (1), 'Sign in' (2), '+1 (877) 645-5377' (3), 'Support' (4), 'Contact' (5), 'About' (6), 'Facebook' (7), and 'Twitter' (8). At the bottom left, there's a registration form with fields for Name, Email, Password, and Password confirmation, each with a red circle around it. A large red circle also surrounds the 'Register' button.

1

2

3

4

5

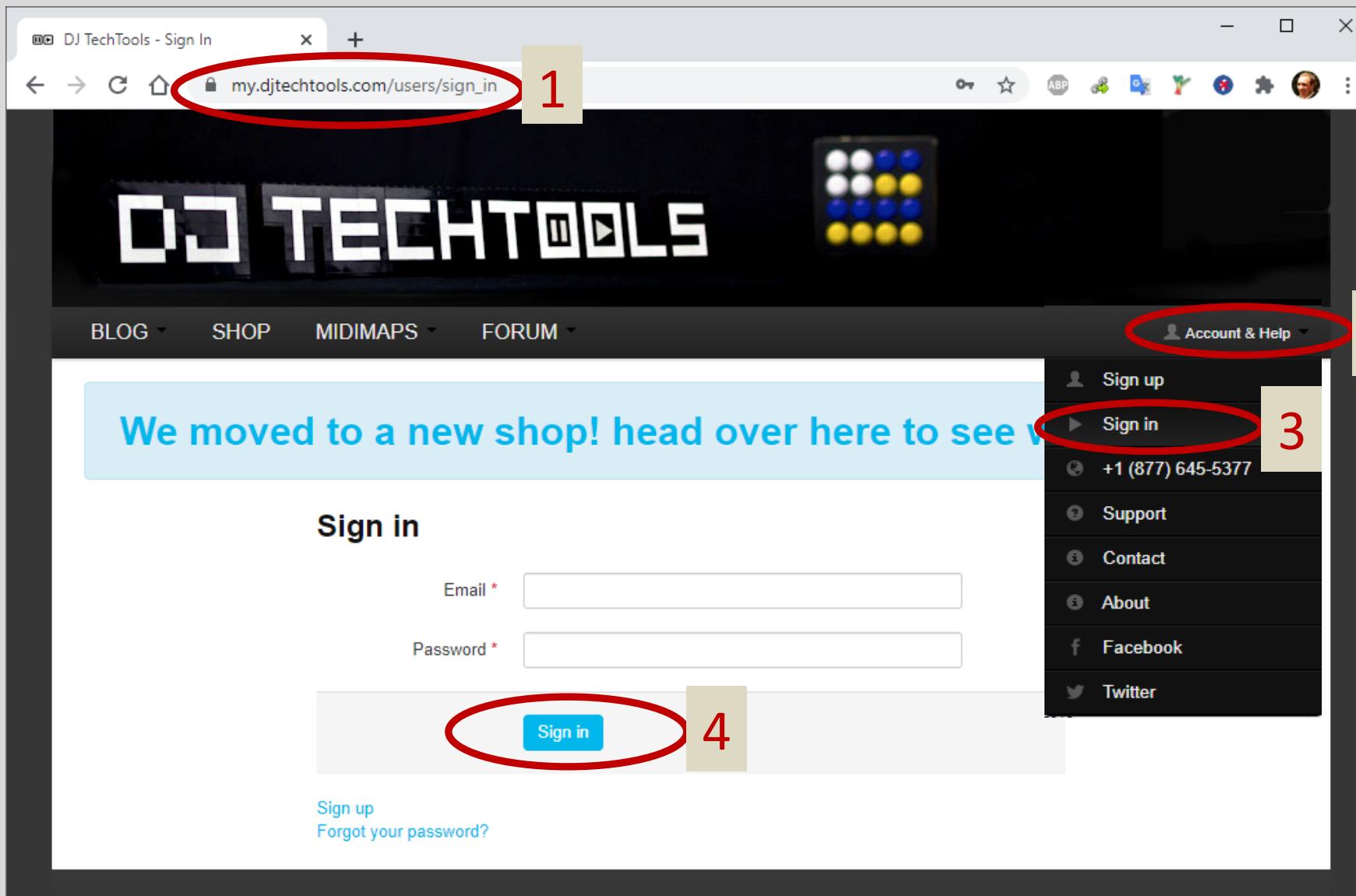
6

7

8

2: SIGN-IN ON YOUR ACCOUNT:

https://my.djtechtools.com/users/sign_in



3: DOWNLOAD THE MAPPING

DDJ-1000/800: <https://maps.djtechtools.com/mappings/9279>

DDJ-SX2/SZ/SRT: <https://maps.djtechtools.com/mappings/9222>

XDJ-XZ: <https://maps.djtechtools.com/mappings/10305>

The screenshot shows a web browser window titled "DJ TechTools - 2020 DDJ-1000 v7". The URL in the address bar is circled in red and labeled '1'. The main content area displays a mapping for the DDJ-1000 v7.0.0. On the right, a user profile for "dj_estrela" is shown, with a red circle labeled '2' highlighting the "Edit profile" button. Below the profile, there is a "About this mapping" section with details about the latest version and release notes.

2020 DDJ-1000 v7.0.0 - Mapping for Traktor Pro 3+2 with Jog

Screens - DJ Estrela

Edit details Upload new version Delete Upload an edit of this mapping Download v7.0.0

DDJ-1000 v7.0 TP3 - Quick demo

Description and Instructions

2020 DDJ-1000 v7.0.0 - Mapping for Traktor Pro 3+2 with Jog Screens - DJ Estrela

dj_estrela Edit profile

Member since January 6, 2016

Mappings 12

Soundpacks 0

Facebook <https://www.facebook.com/pedro.vale.estrela>

Homepage <http://djestrela.com/>

About this mapping

Latest version 7.0.0

Release Notes: This mapping was now remade from scratch. Major new features are 16x SuperKnobs, access all 9x MixerFX, Resonant Filter, STEMS, Remix decks recorder, Tempo enlarger, Loop backwards

Step #2

BOME TRIAL:

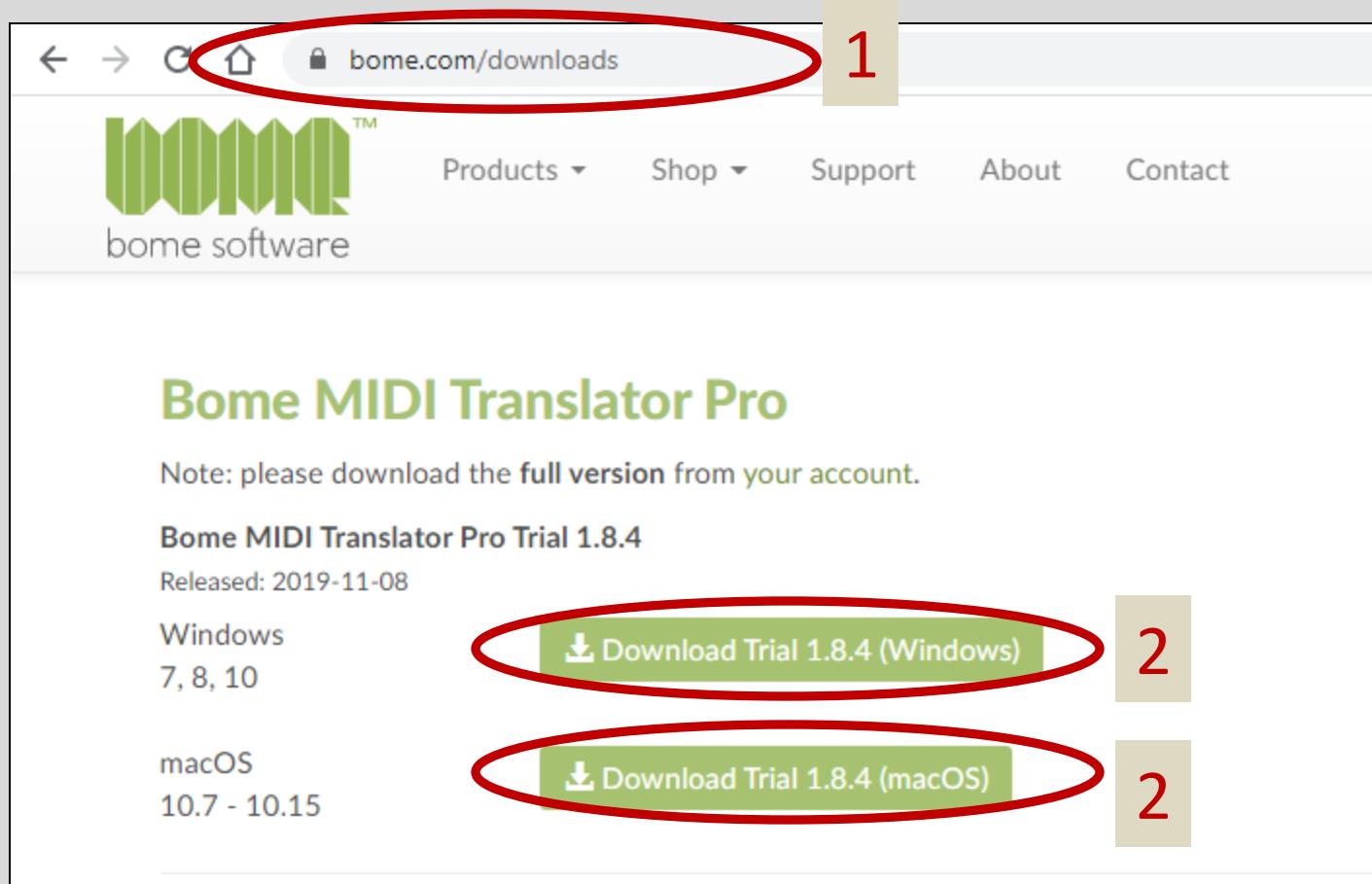
SOFTWARE INSTALLATION

Note: the bome trial cannot be activated to make it full.
If you buy a license you will need to re-download it from your account instead.

BOME INSTALLATION - TRIAL:

1. Download and install the BOME trial from:

<https://www.bome.com/products/miditranslator#downloads>



The screenshot shows a web browser displaying the Bome software website at [bome.com/downloads](https://www.bome.com/downloads). A red oval highlights the browser's address bar, labeled with a yellow box containing the number 1. Below the address bar, the Bome logo (green vertical bars) and the text "bome software" are visible. The navigation menu includes "Products", "Shop", "Support", "About", and "Contact". The main content area features a green header "Bome MIDI Translator Pro" and a note: "Note: please download the full version from your account." Below this, a section for the "Bome MIDI Translator Pro Trial 1.8.4" is shown, released on "2019-11-08". It lists "Windows 7, 8, 10" and "macOS 10.7 - 10.15". Two green download buttons are present: one for Windows (labeled 2) and one for macOS (labeled 2), both circled with a red oval.

1

bome.com/downloads

Products ▾ Shop ▾ Support About Contact

bome software

Bome MIDI Translator Pro

Note: please download the **full version** from your account.

Bome MIDI Translator Pro Trial 1.8.4

Released: 2019-11-08

Windows
7, 8, 10

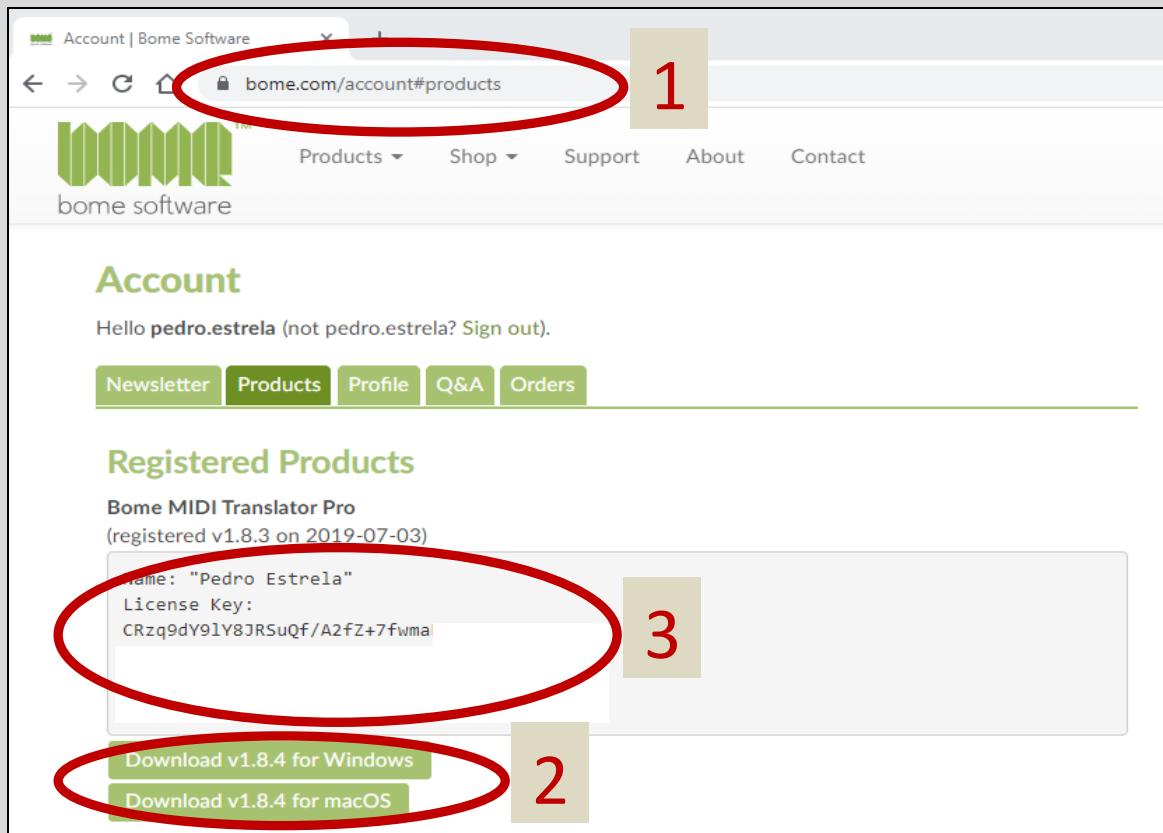
macOS
10.7 - 10.15

[Download Trial 1.8.4 \(Windows\)](#) 2

[Download Trial 1.8.4 \(macOS\)](#) 2

BOME INSTALLATION - FULL:

1. Uninstall the BOME trial first!
2. Create an account on the BOME site, validate your email
3. Login and Buy the “BOME midi translator PRO” (cost: 60 eur)
4. Download and install the FULL version from your account page:
<https://www.bome.com/account#products>
5. Copy/paste the whole license text when asked in BOME



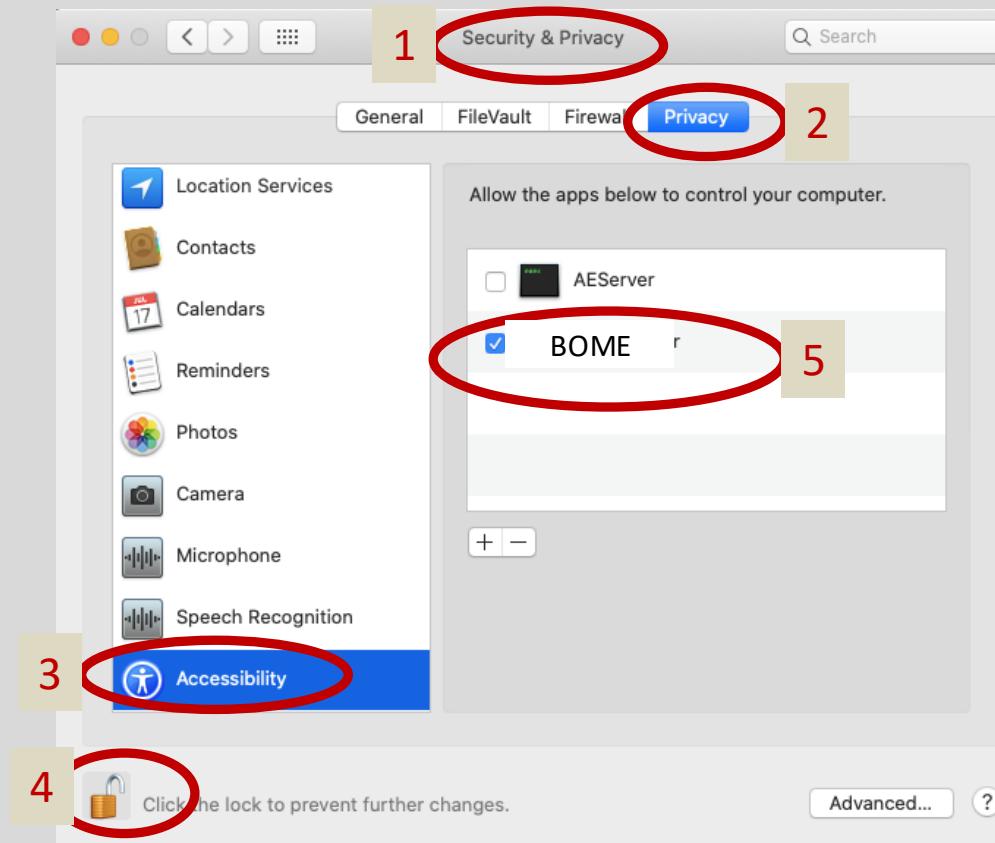
MAC-OS SECURITY ENABLE:

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: See Page 40 of the BOME manual

https://www.bome.com/bome/downloads/manuals/miditranslator_manual.pdf

<https://www.maketecheasier.com/mac-os-security-privacy-permissions/>



Step #3a

BOME MAPPING: INSTALLATION

PRELIMINARIES:

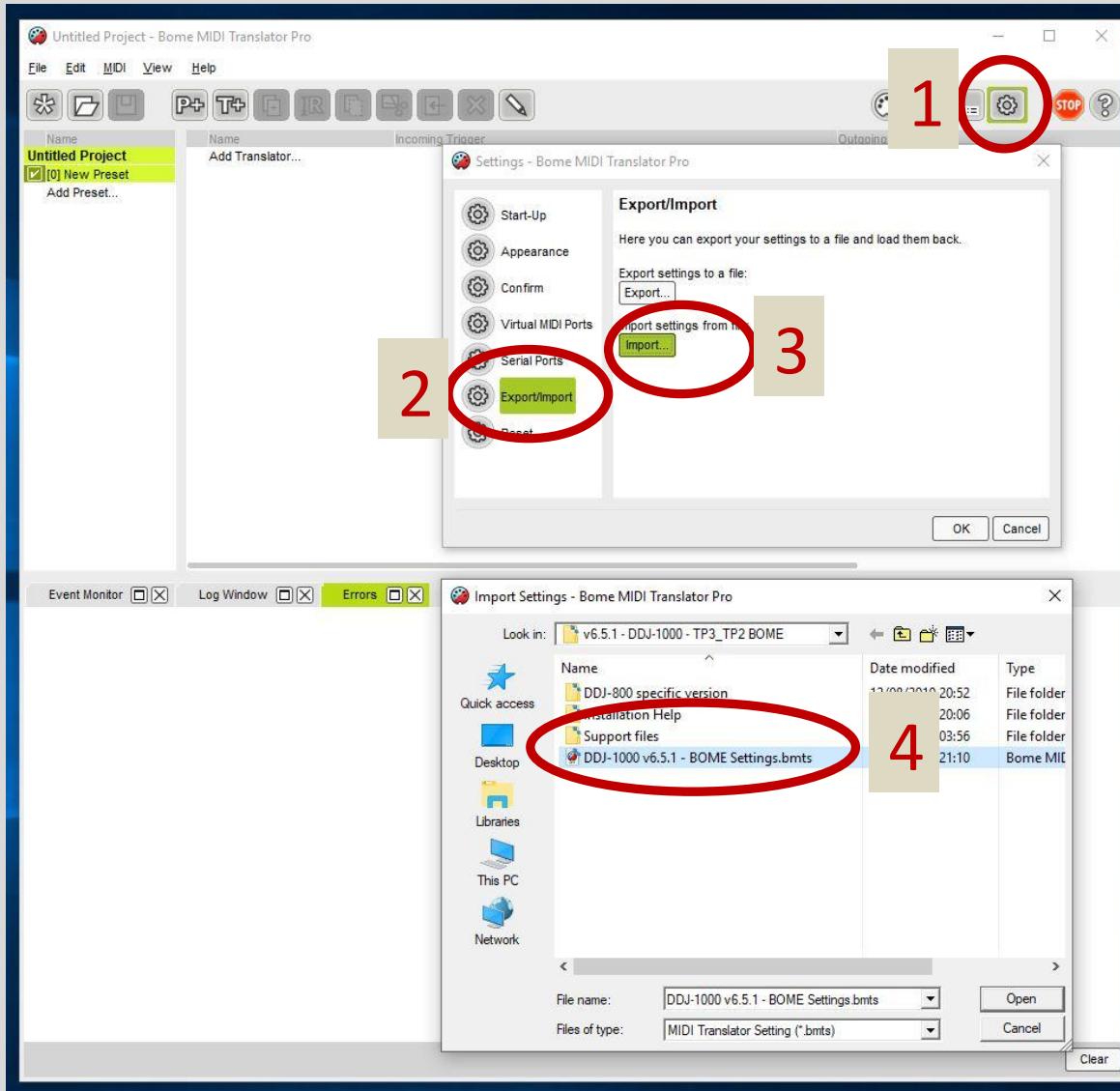
1. Stop Rekordbox
2. Stop Traktor
3. Expand all files in the zip file
4. Connect the USB cable
5. Turn on your DDJ

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!

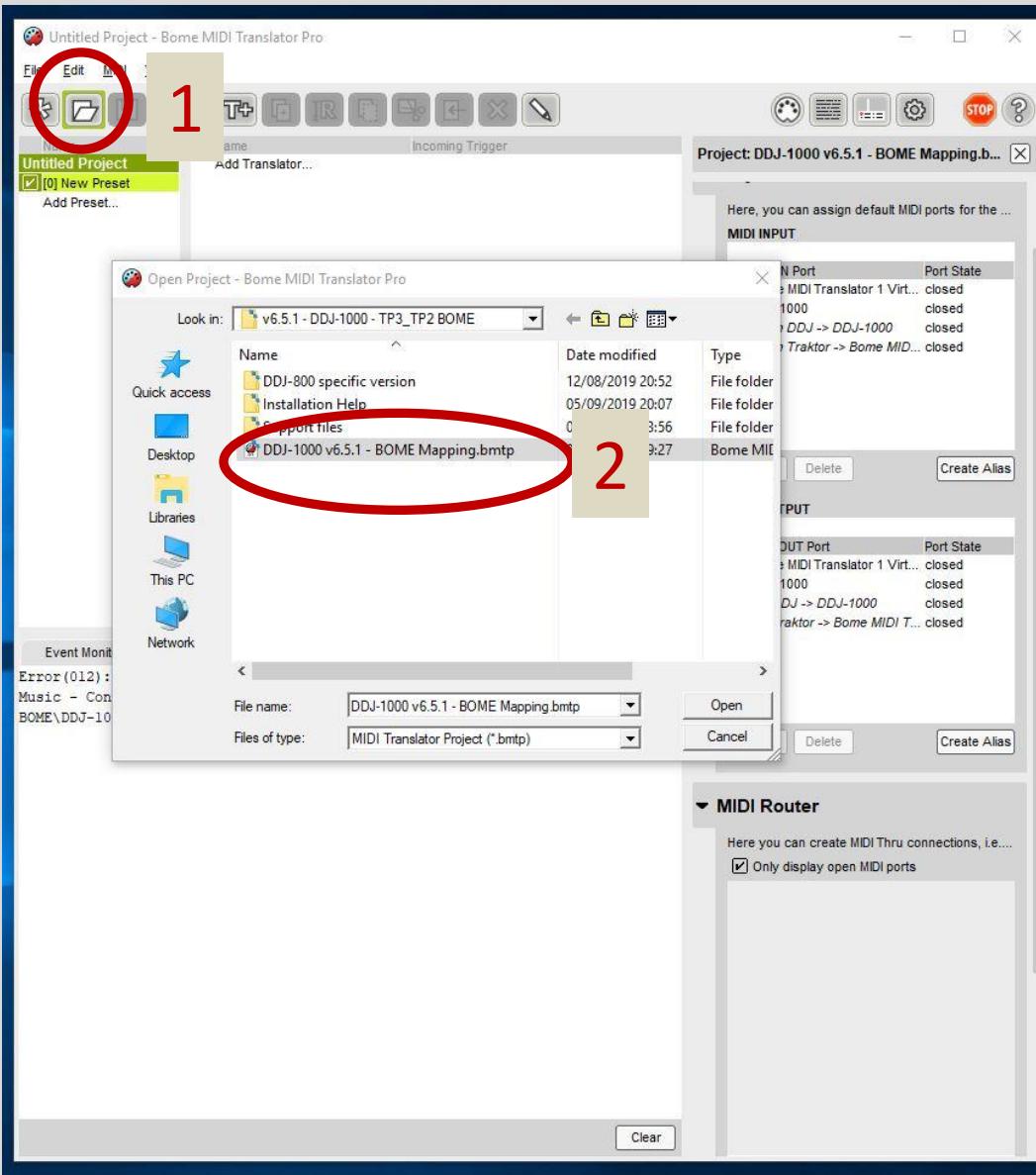


BOME: import settings file (BMTS file)



MANUAL STEP: Auto start with Windows/MAC needs to be set by hand!
This is a bome bug

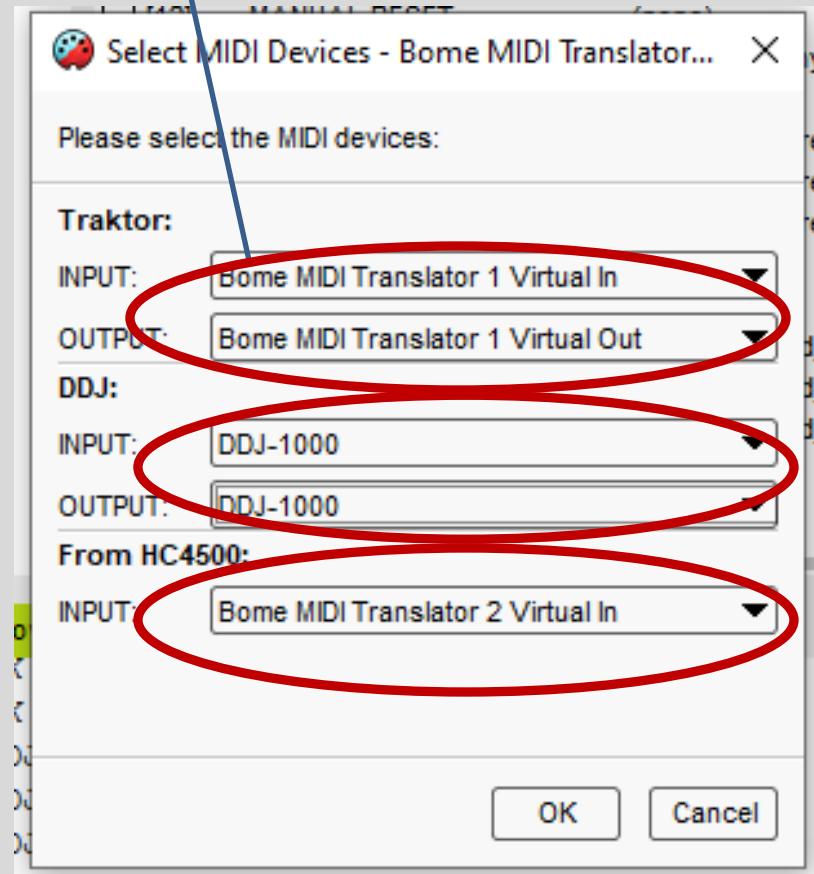
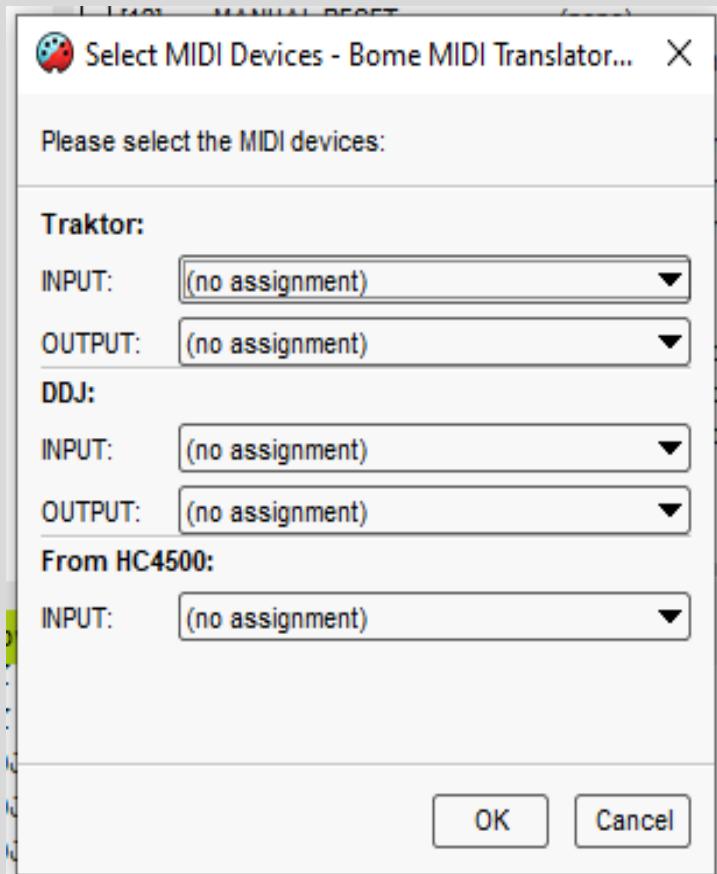
BOME: import mapping file (BMTP file)



(Example for DDJ-1000; other DDJ are similar. See annexes for details)

BOME: Aliases (DDJ-1000 case)

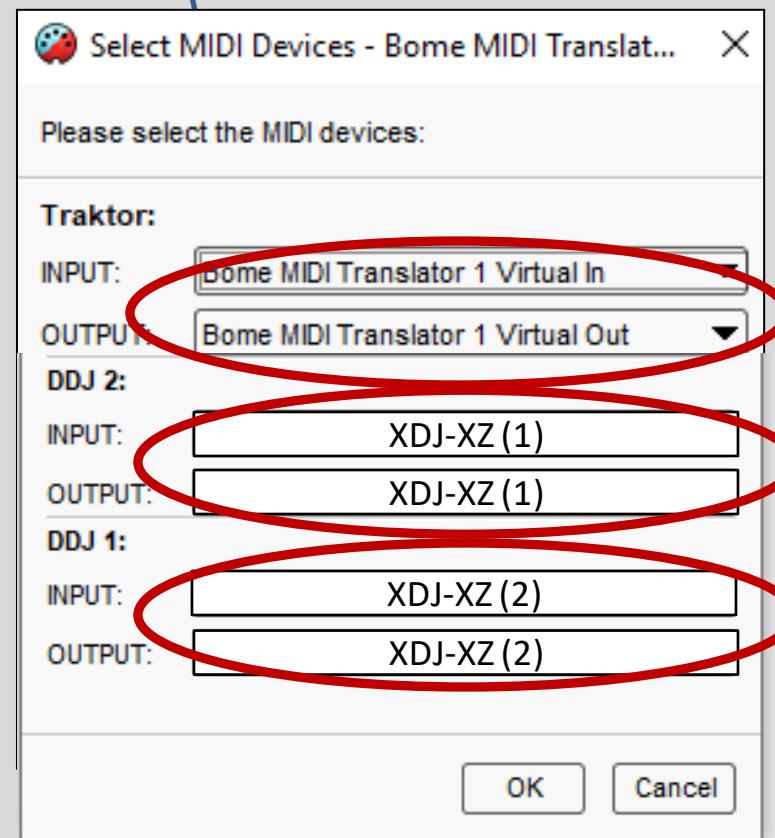
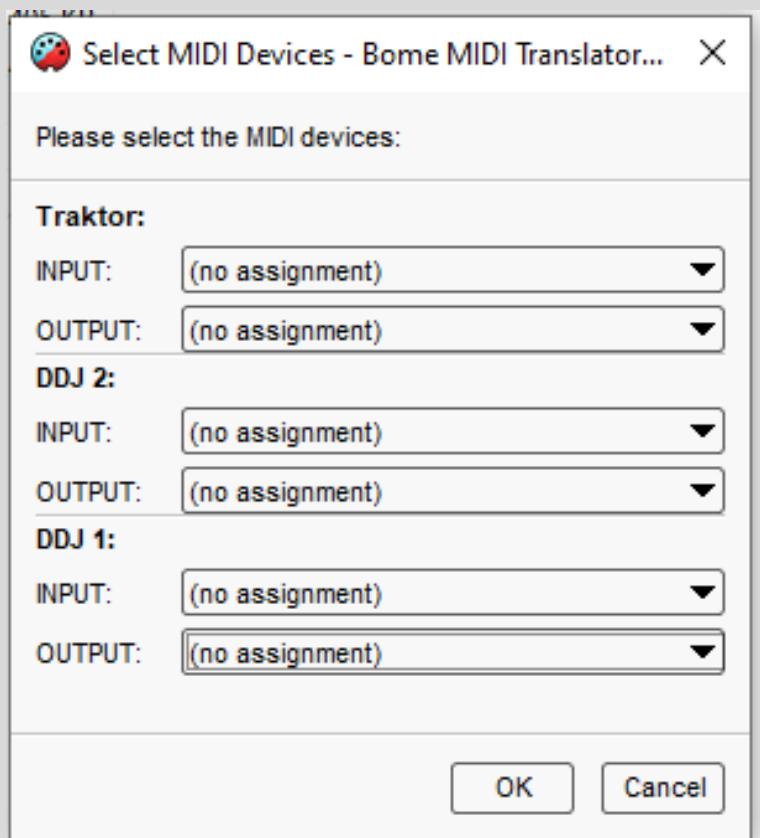
Do exactly this



IMPORTANT: THESE SETTINGS CHANGED IN V7.0!!!
WE NOW USE 2x VIRTUAL DEVICES

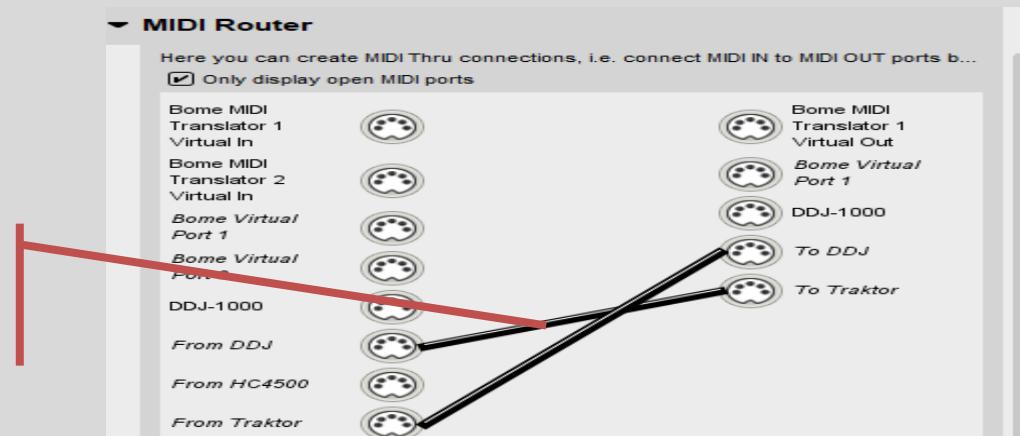
BOME: Aliases (XDJ-XZ case)

Do exactly this



BOME: Devices

Confirm this “cross” on EXACTLY these aliases



(Example for DDJ-1000; other DDJ are similar. See annexes for details)

Step #3b

BOME MAPPING: VERIFICATION

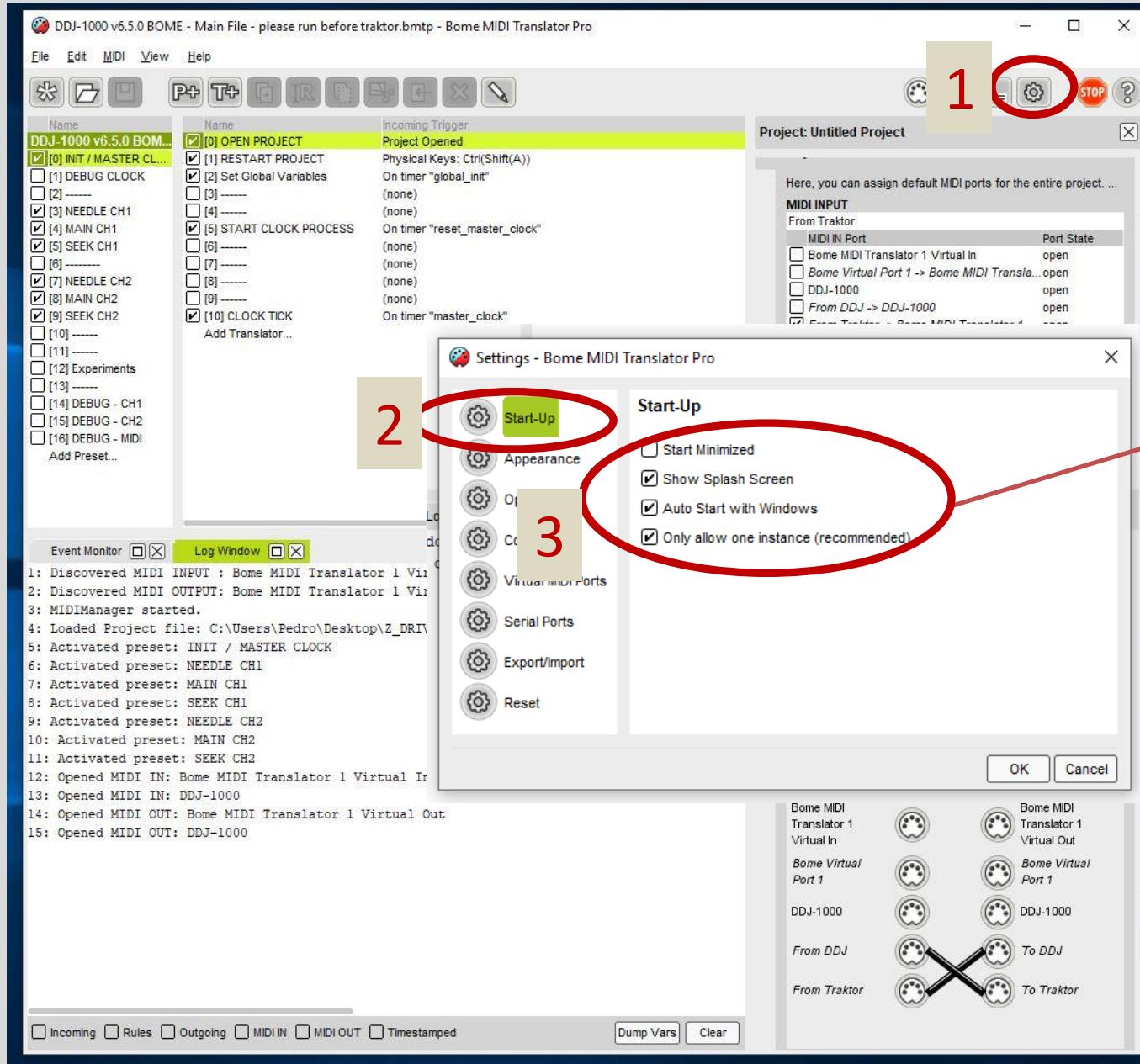
Important: do these steps WITHOUT traktor running.

Reason: the denon HC-4500 map sends A LOT of data to the log.

BOME VERIFICATION STEPS:

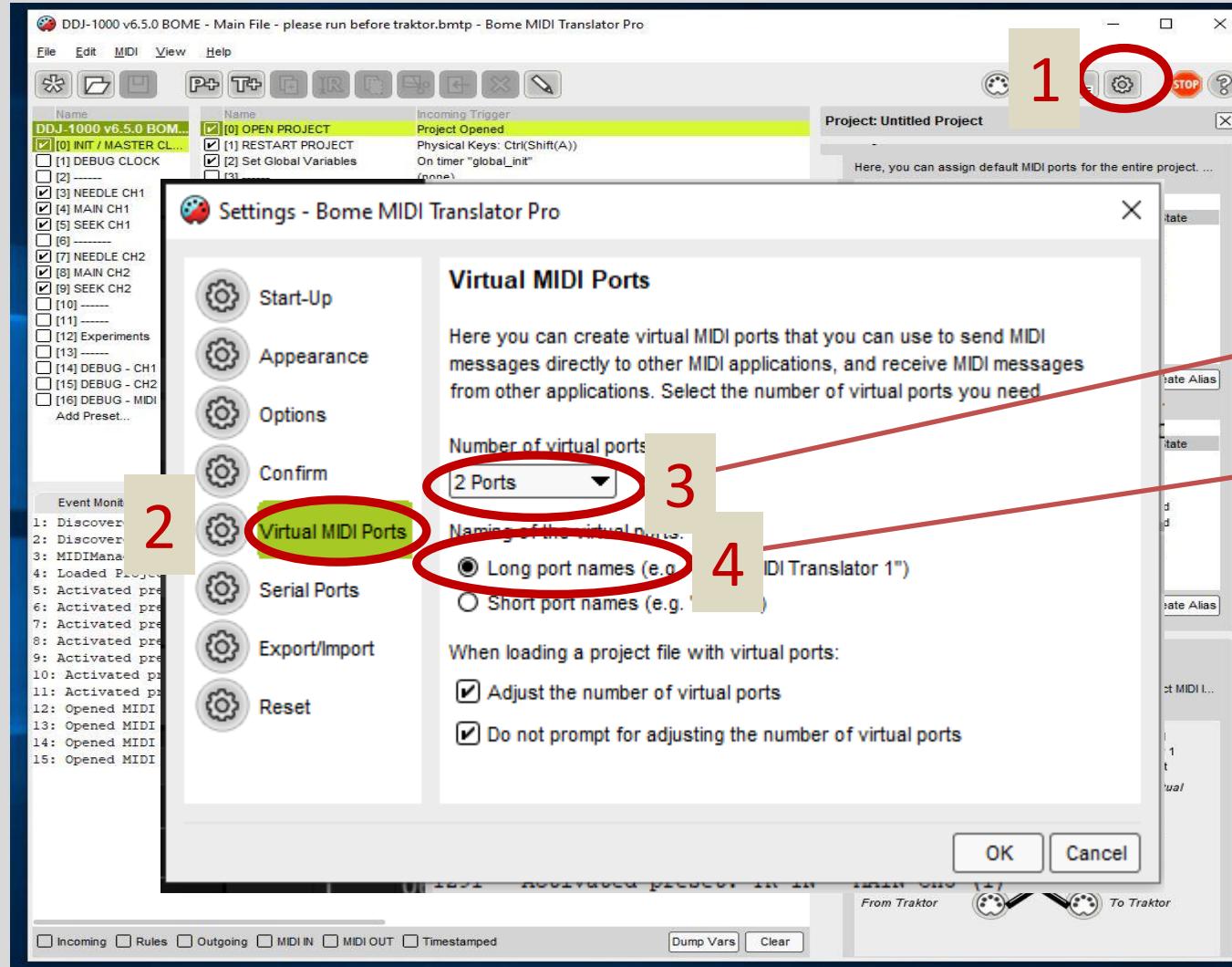
1. Confirm the “Bome MIDI Translator 1” device is created (longformat)
 1. Method: menu View ; settings ; virtual midi ports ; 1 port; long port names
2. Confirm the 5x midi ports were opened correctly
 1. Method: Click log window; check log
3. Confirm that the Controller talks to BOME
 1. Method: Click 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 the logging
5. Minimize BOME to keep it running

BOME settings: auto start with windows



Auto start with
Windows/MAC needs
to be set by hand!

BOME settings: long port name device

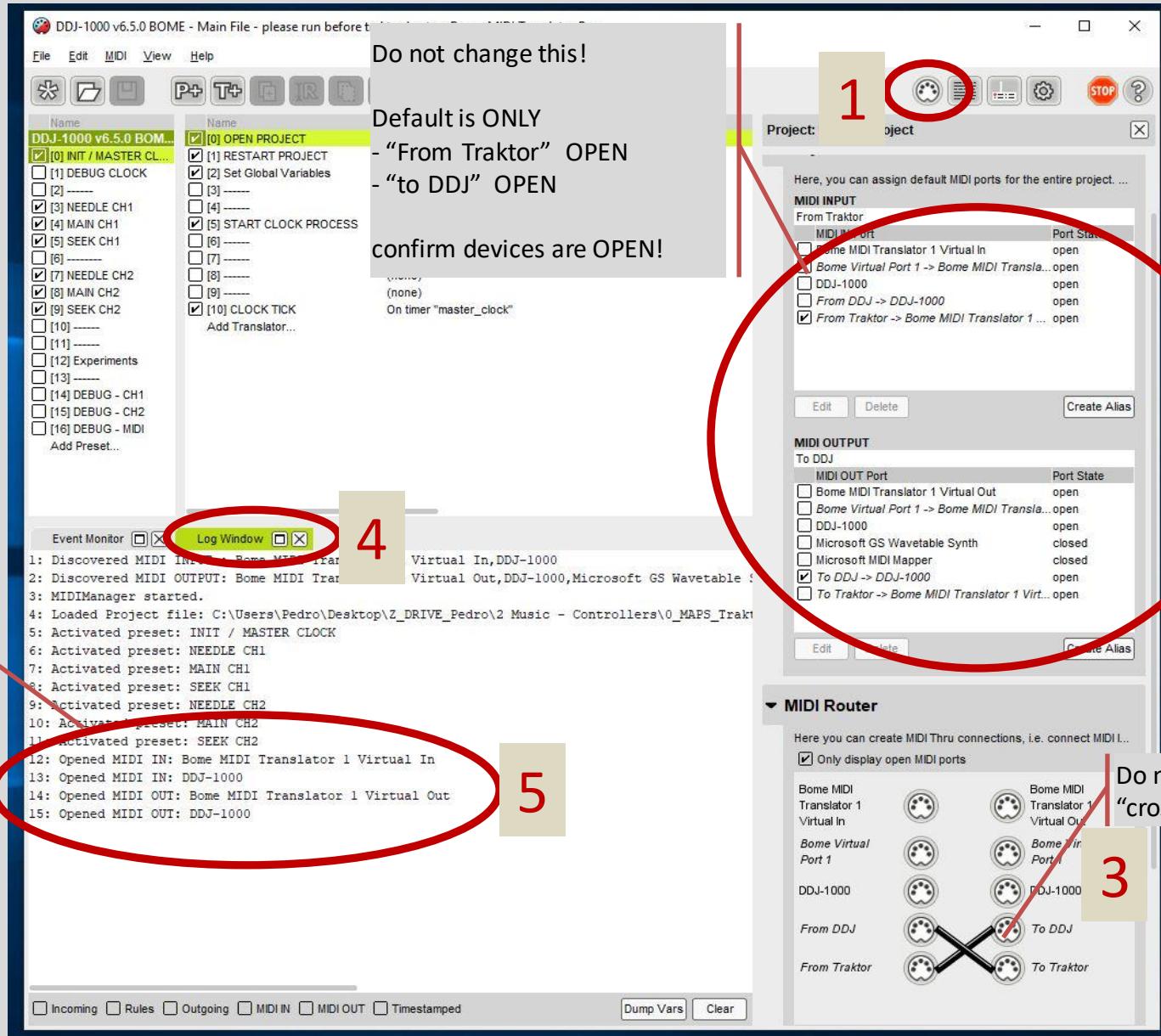


2x ports in v7.0;
in v6.8 it was 1x port only!

Long port names!

IMPORTANT: THESE SETTINGS CHANGED IN V7.0!!!
WE NOW USE 2x VIRTUAL DEVICES

BOME: Correct startup log



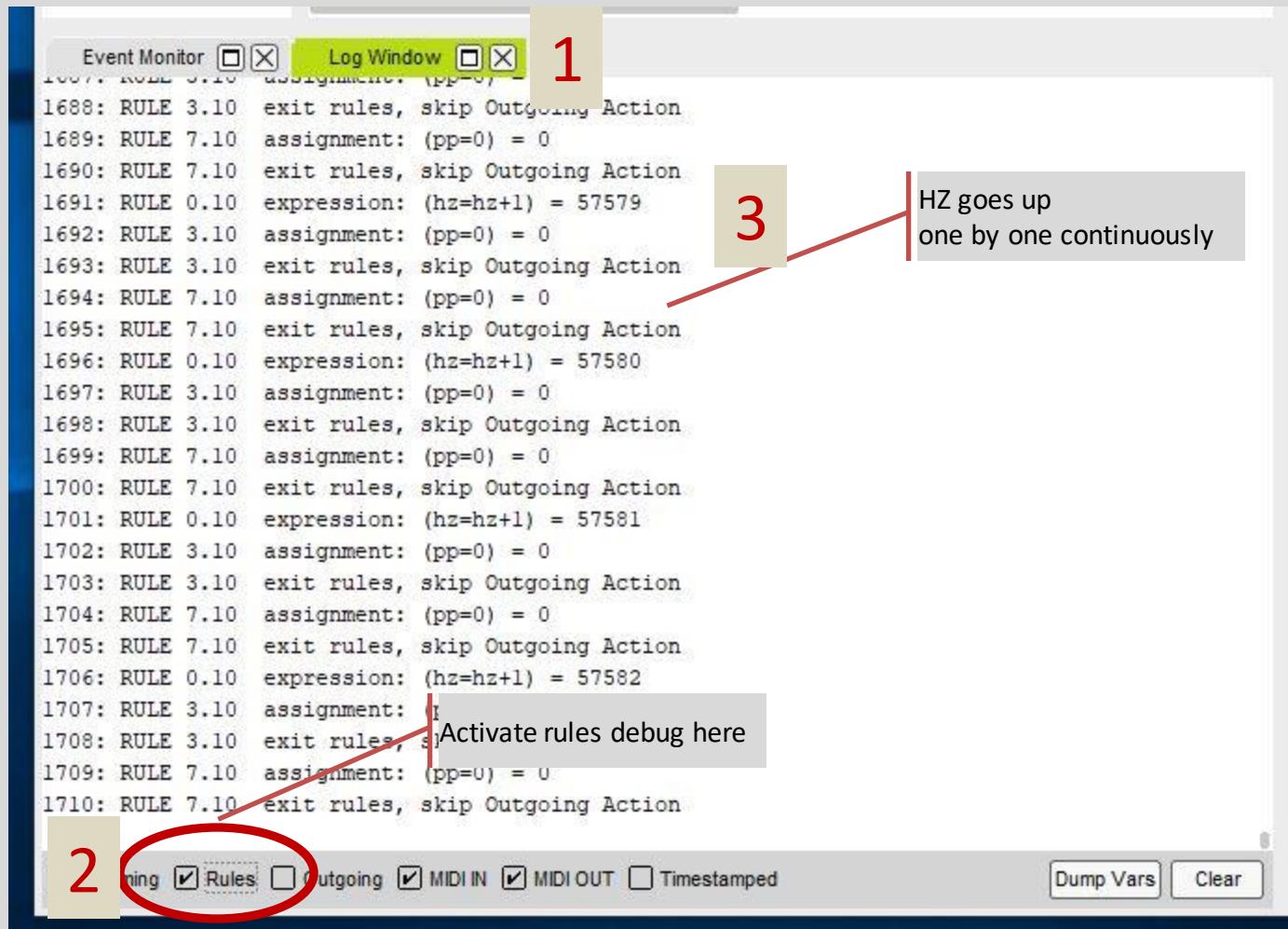
(Example for DDJ-1000; other DDJ are similar. See annexes for details)

BOME: confirm DDJ talks to BOME



(Example for DDJ-1000; other DDJ are similar. See annexes for details)

BOME: confirm internal clock



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

Tip!

Step #4a

TRAKTOR MAPPING: INSTALLATION

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!

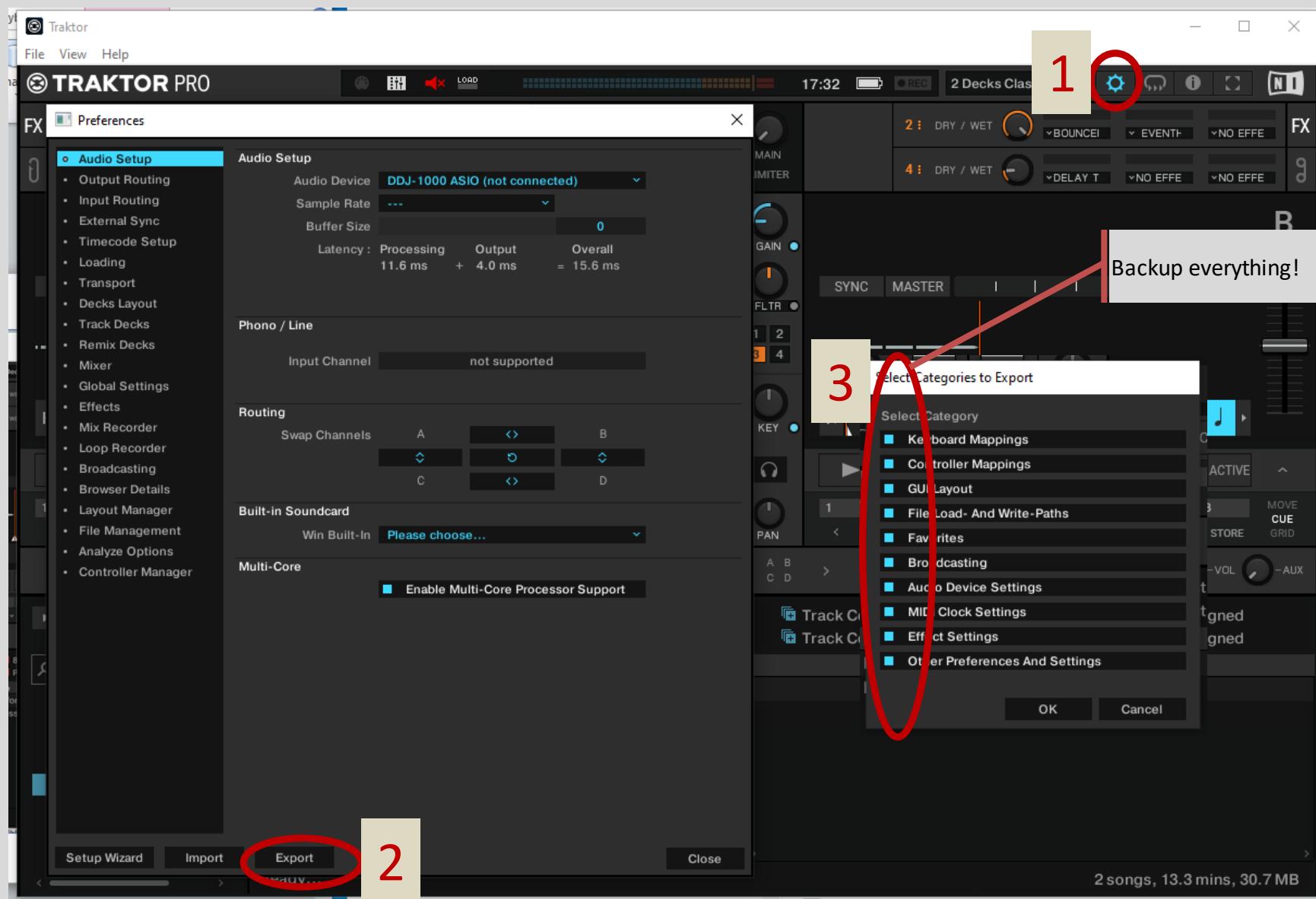
INSTALL TRAKTOR MAPPING (second time):

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

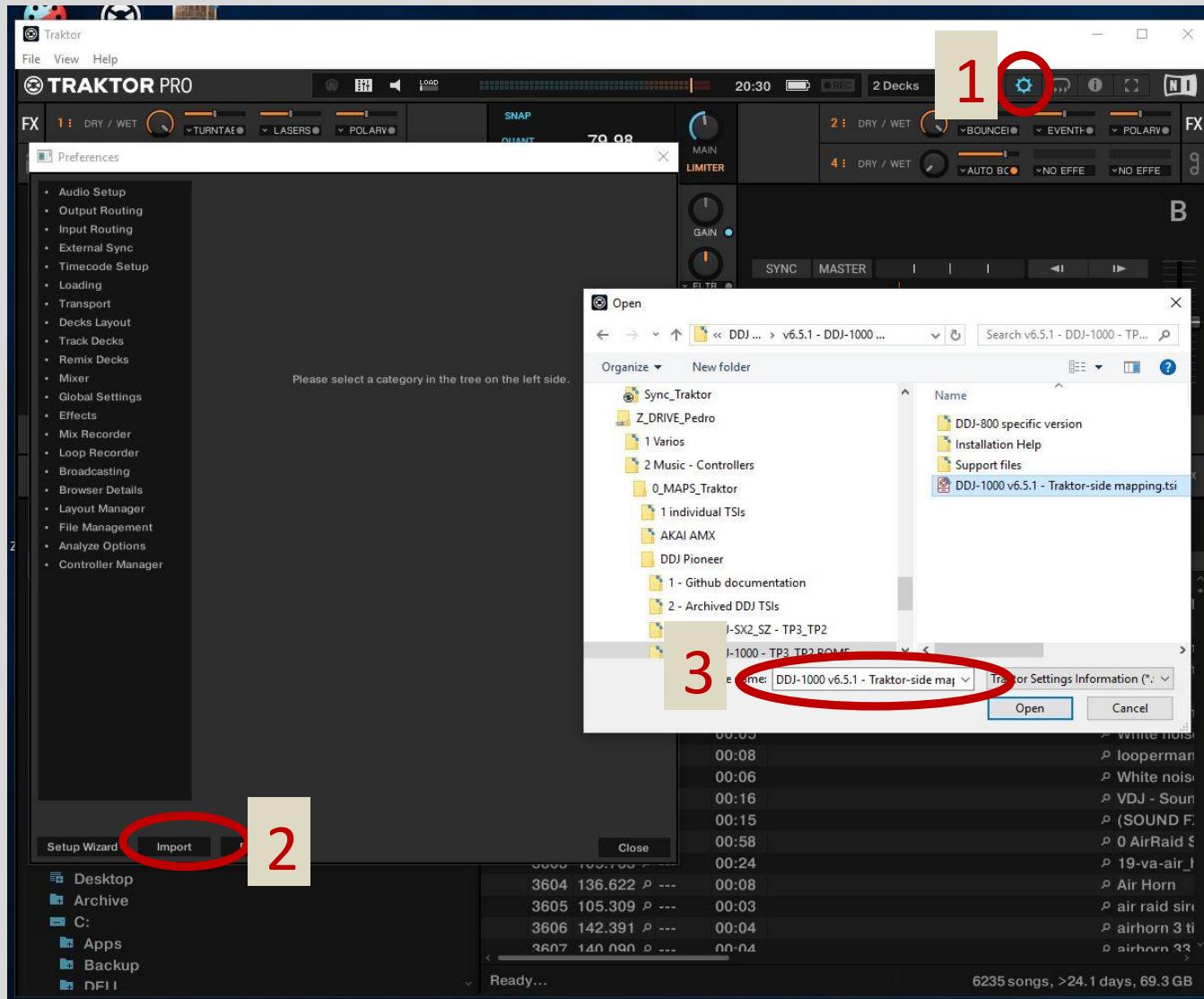
MAC-OS AUDIO OUTPUT ROUTING:

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

TRAKTOR: create backup of your settings



TRAKTOR: import mapping

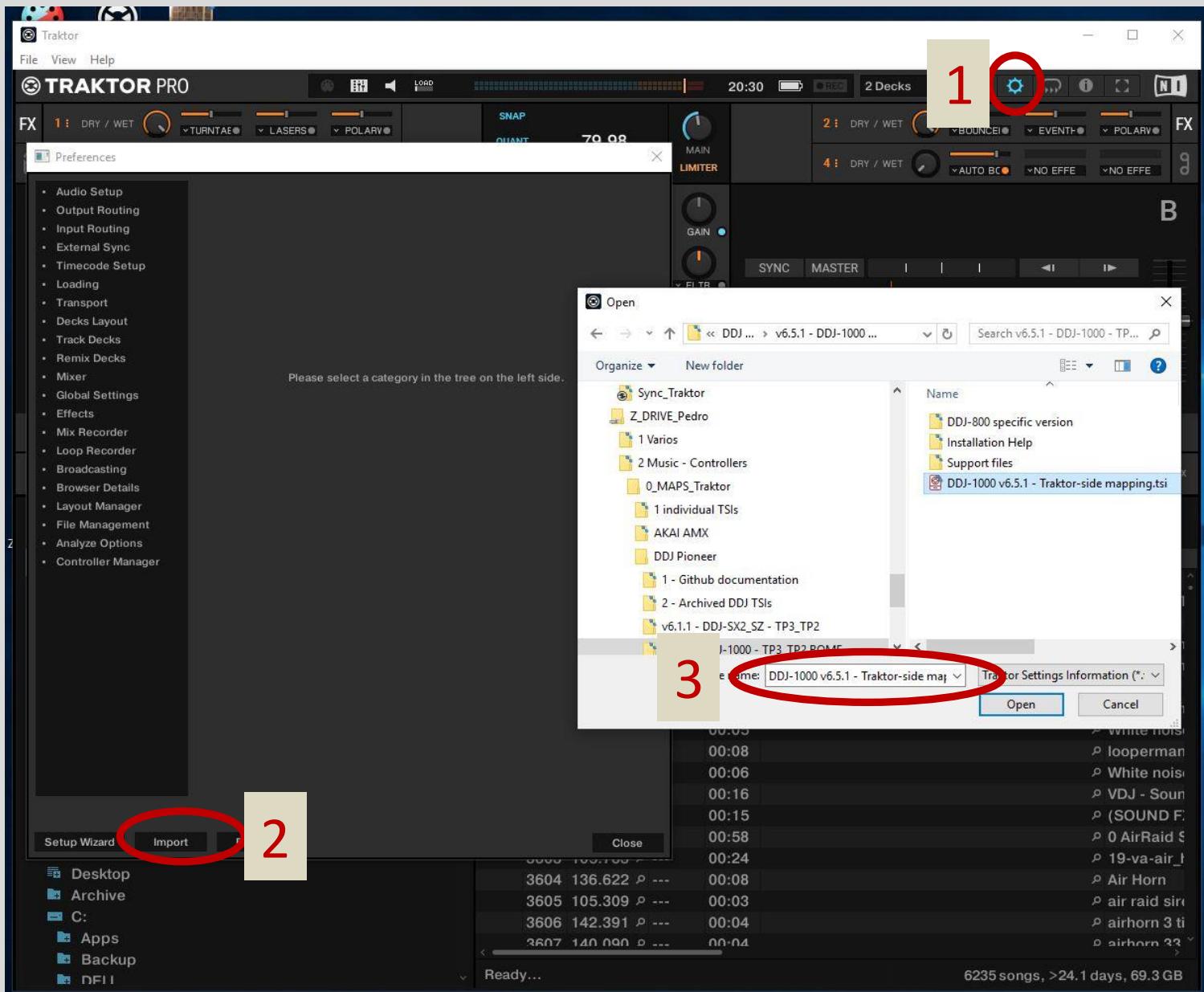


(Example for DDJ-1000; other DDJ are similar. See annexes for details)

Please include this
audio device as well

4

TRAKTOR: import mapping (second time!)



Step #4b

TRAKTOR MAPPING: VERIFICATION

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” / “DDJ-SZ” / etc
 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”
 2. (see annexes for other DDJs case)
3. Confirm that all 3x pages have exactly “Bome Midi Translator1” or “2”
 1. Method: Settings; controller manager; click each of the 3x 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 3x 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



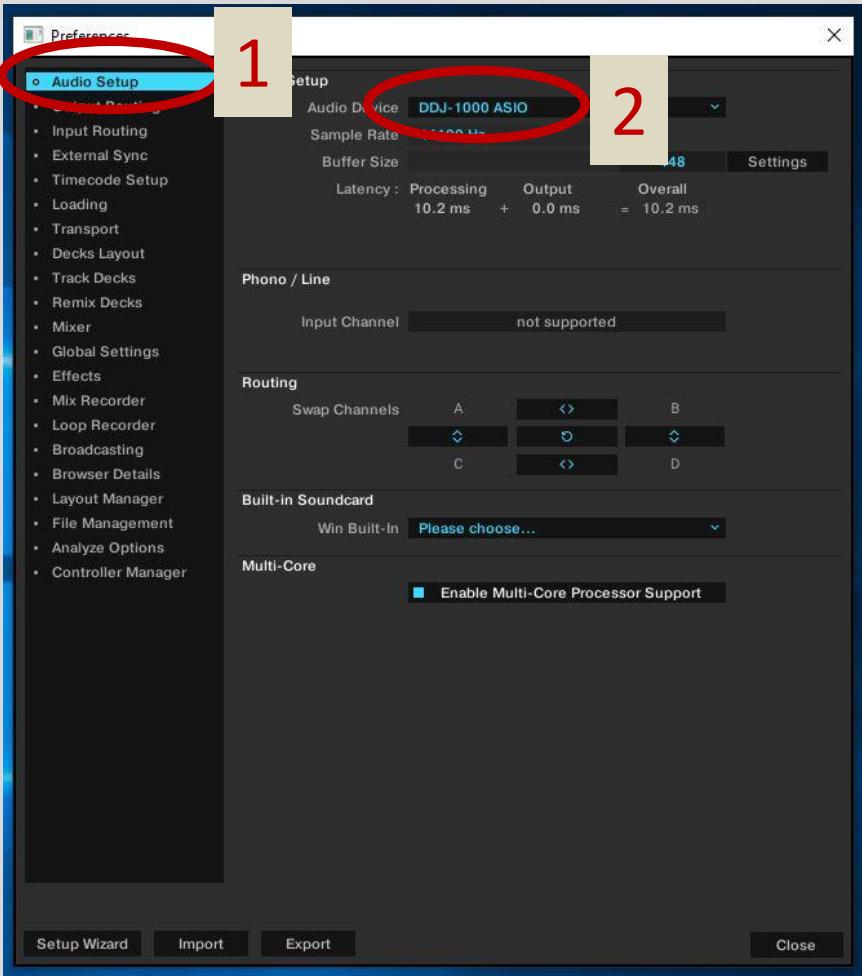
Beware #1!



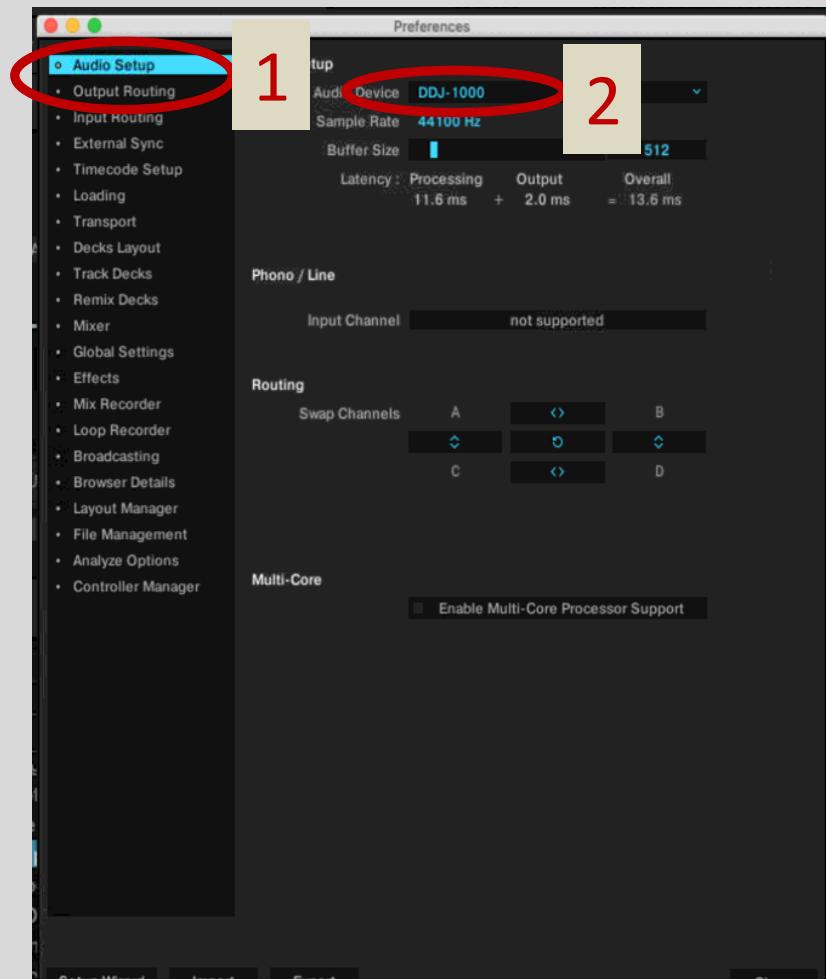
Beware #2!

TRAKTOR: Audio Setup

WINDOWS



MAC



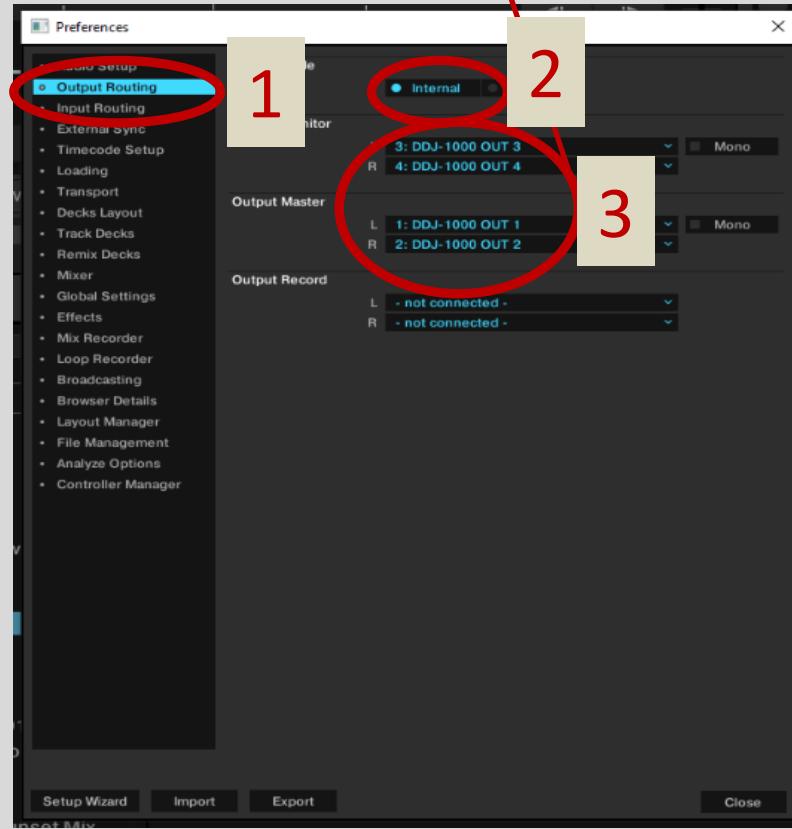
(Example for DDJ-1000; other DDJ are similar. See annexes for details)

TRAKTOR: Output Routing

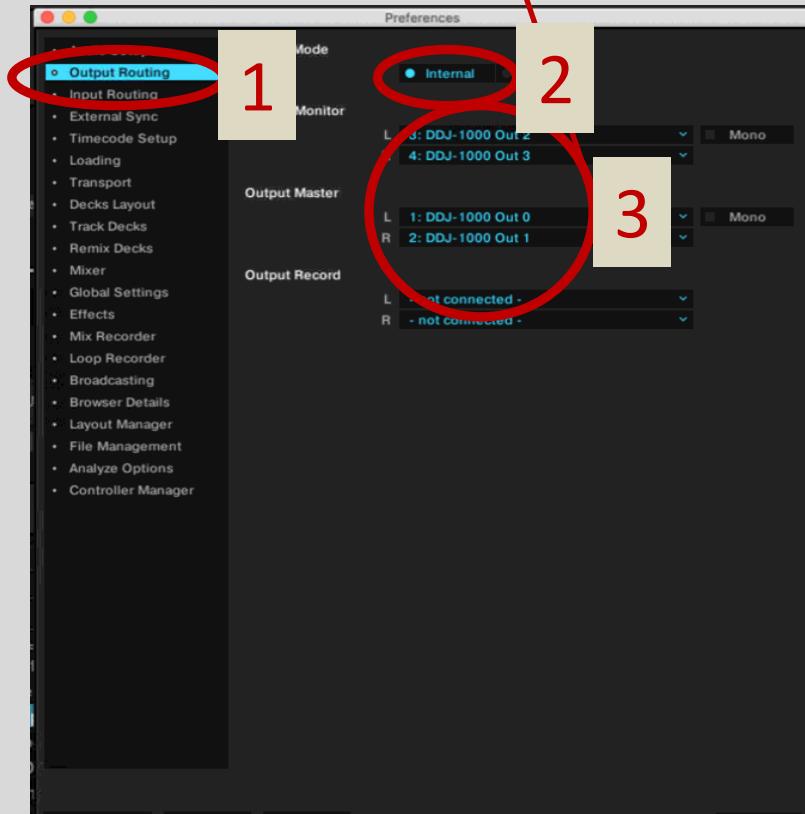
Important: the below pictures are for DDJ-1000 (internal mode);

Some DDJs run in external mode instead (see annexes)

Windows: channels are
3 / 4 / 1 / 2

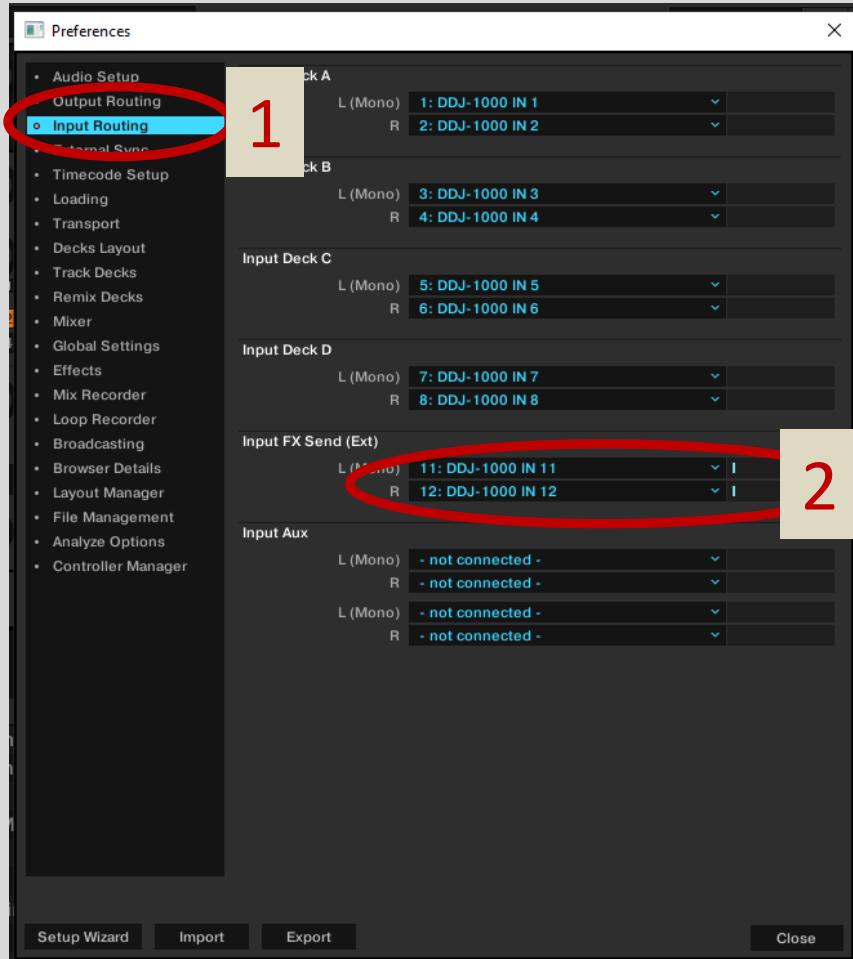


MacOS: channels
are 2 / 3 / 0 / 1

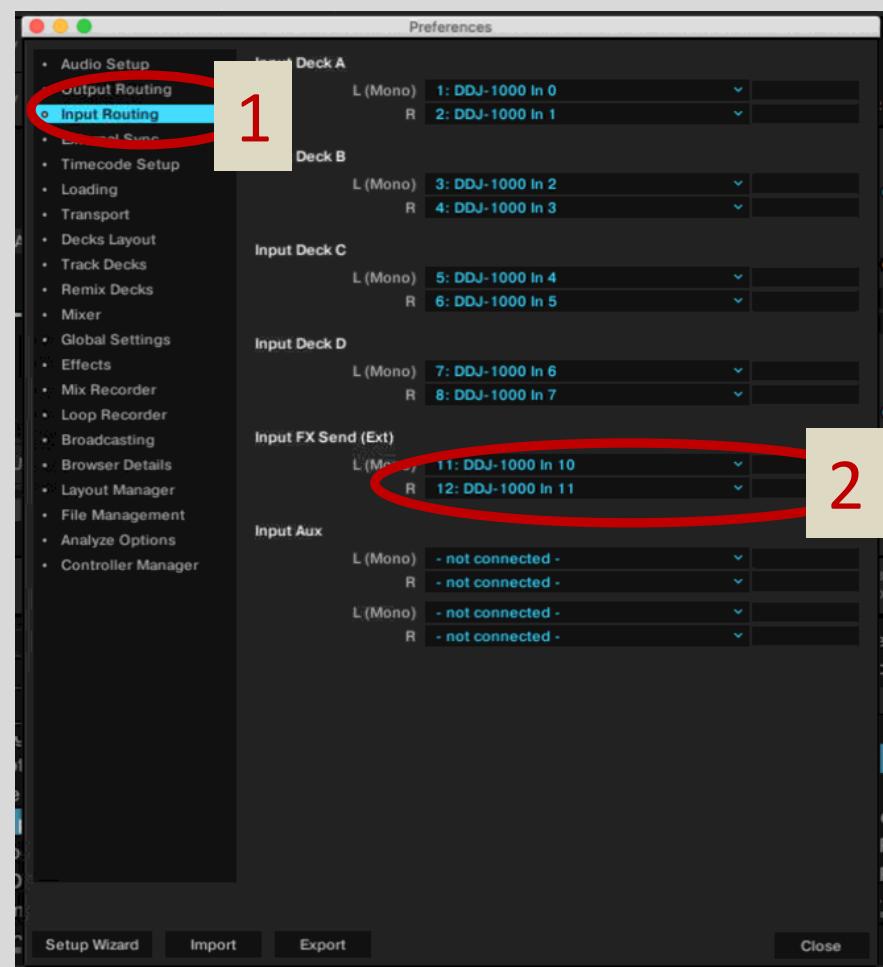


TRAKTOR: Input Routing

WINDOWS



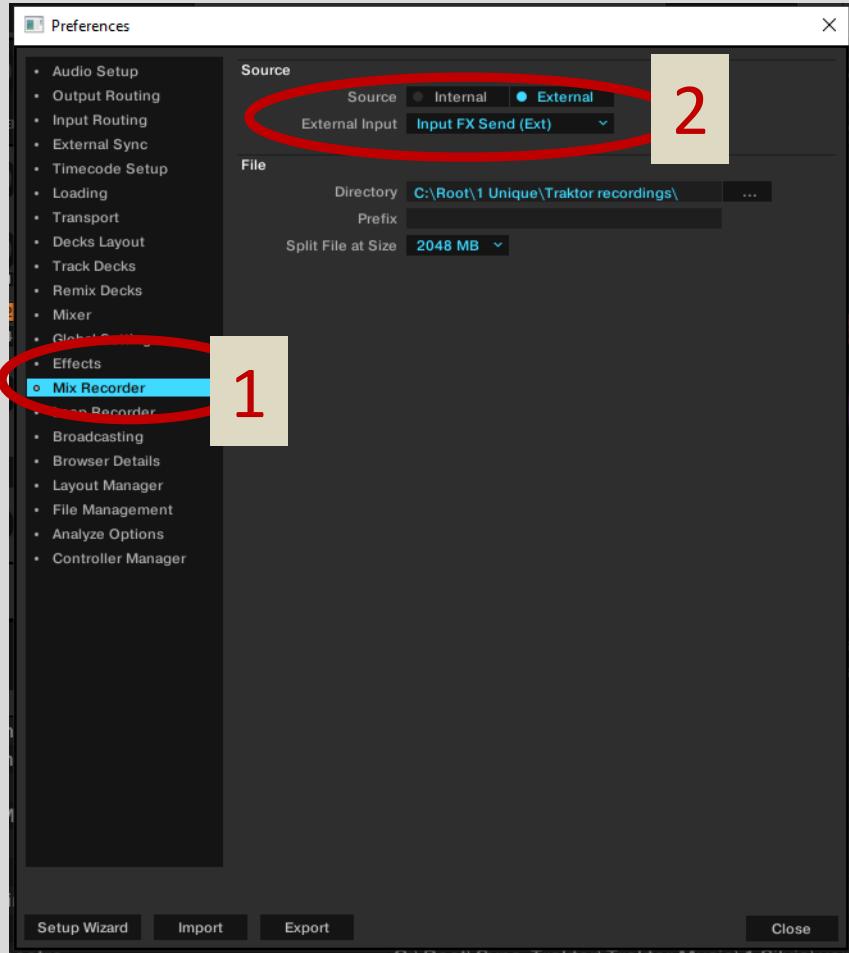
MAC



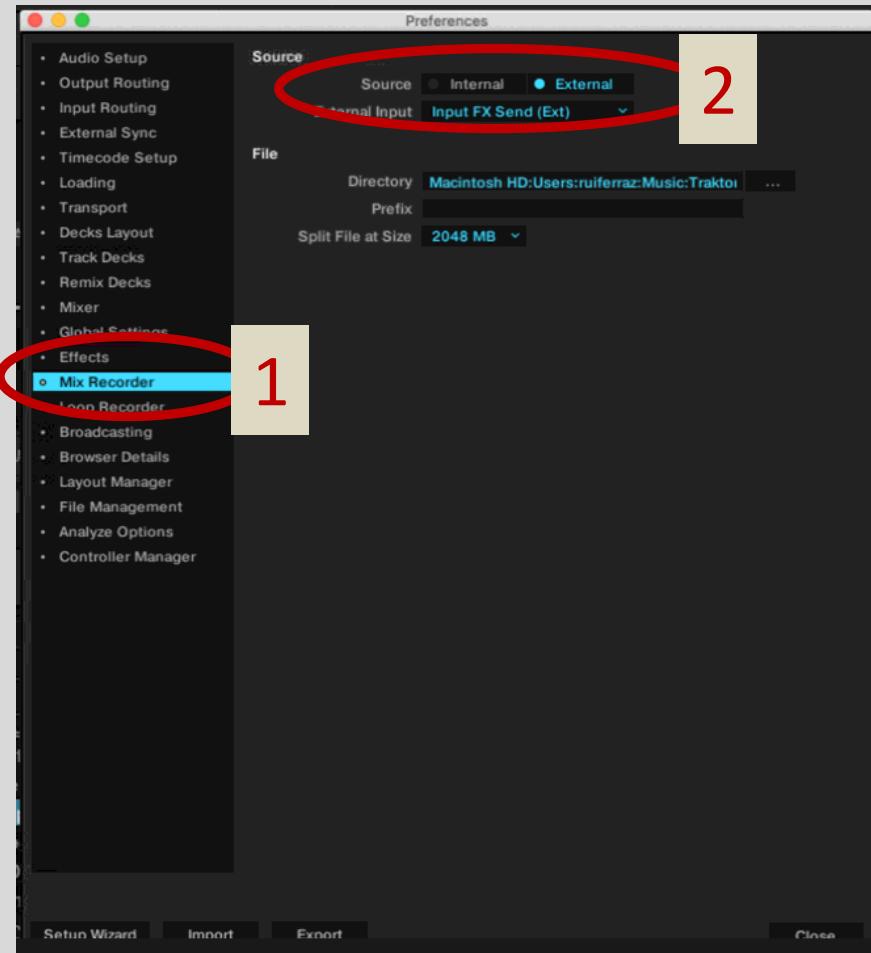
(Example for DDJ-1000; other DDJ are similar, but DDJ-SZ is different. See annexes for details)

TRAKTOR: Mix Recorder

WINDOWS



MAC

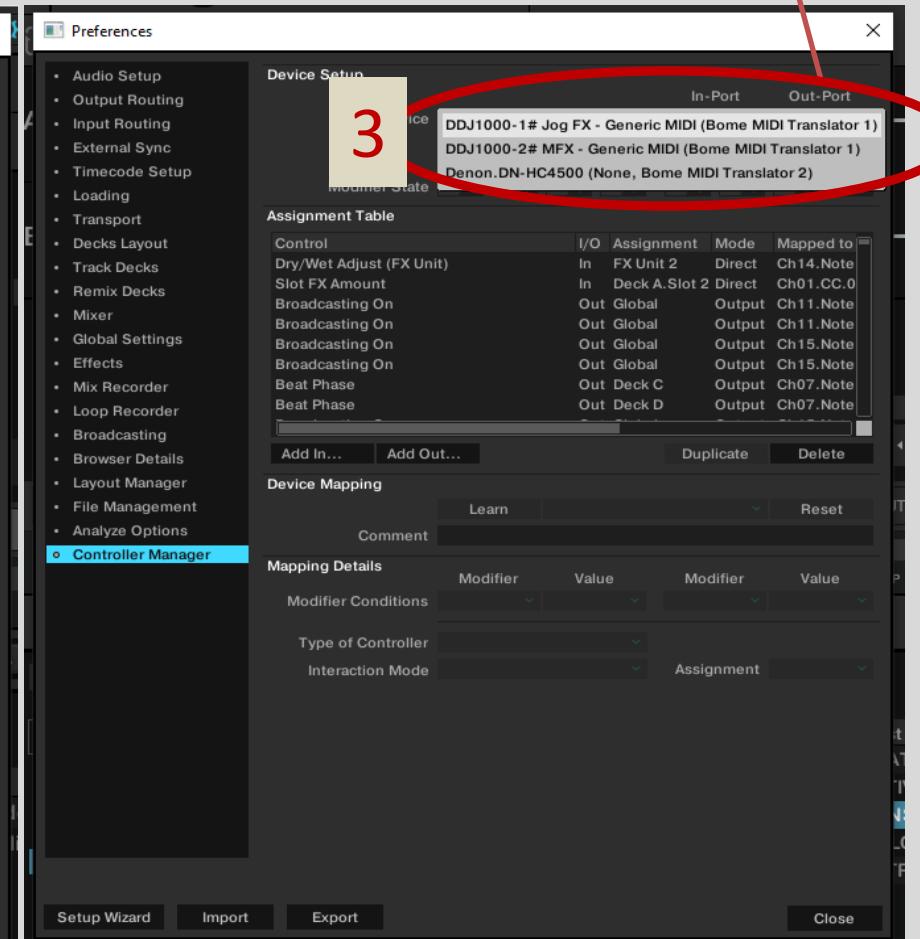
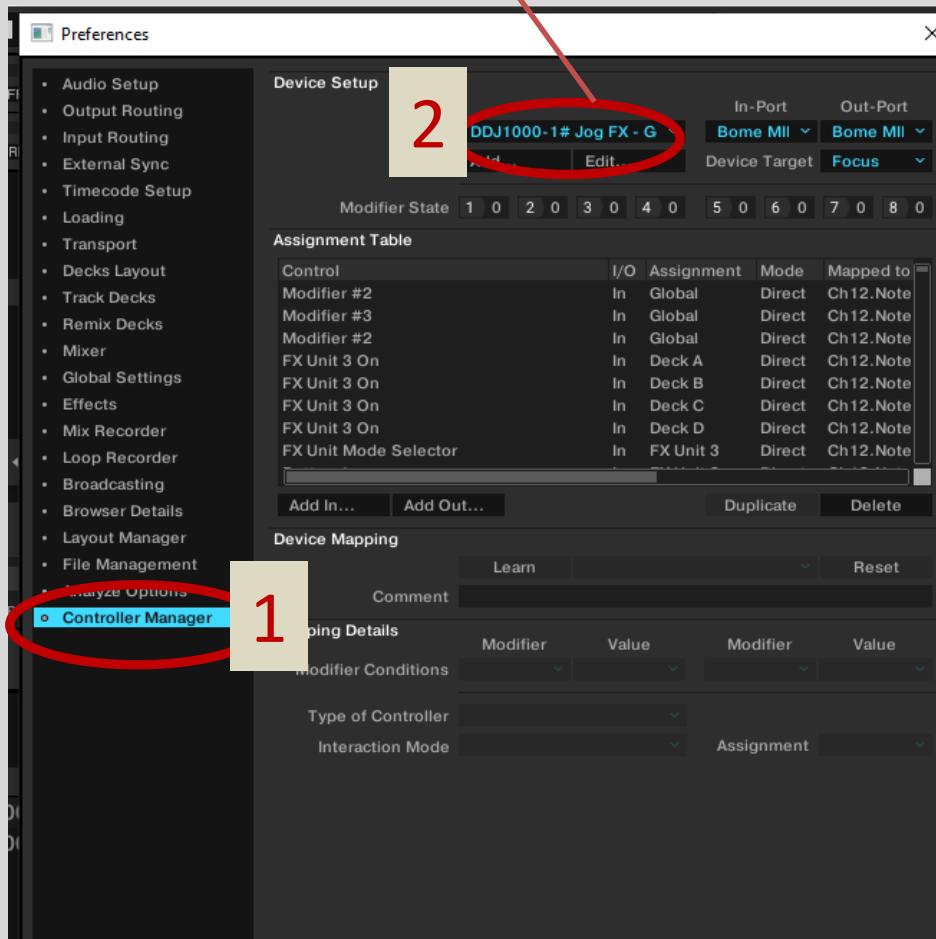


(Example for DDJ-1000; other DDJ are similar. See annexes for details)

TRAKTOR: check MIDI device is long format

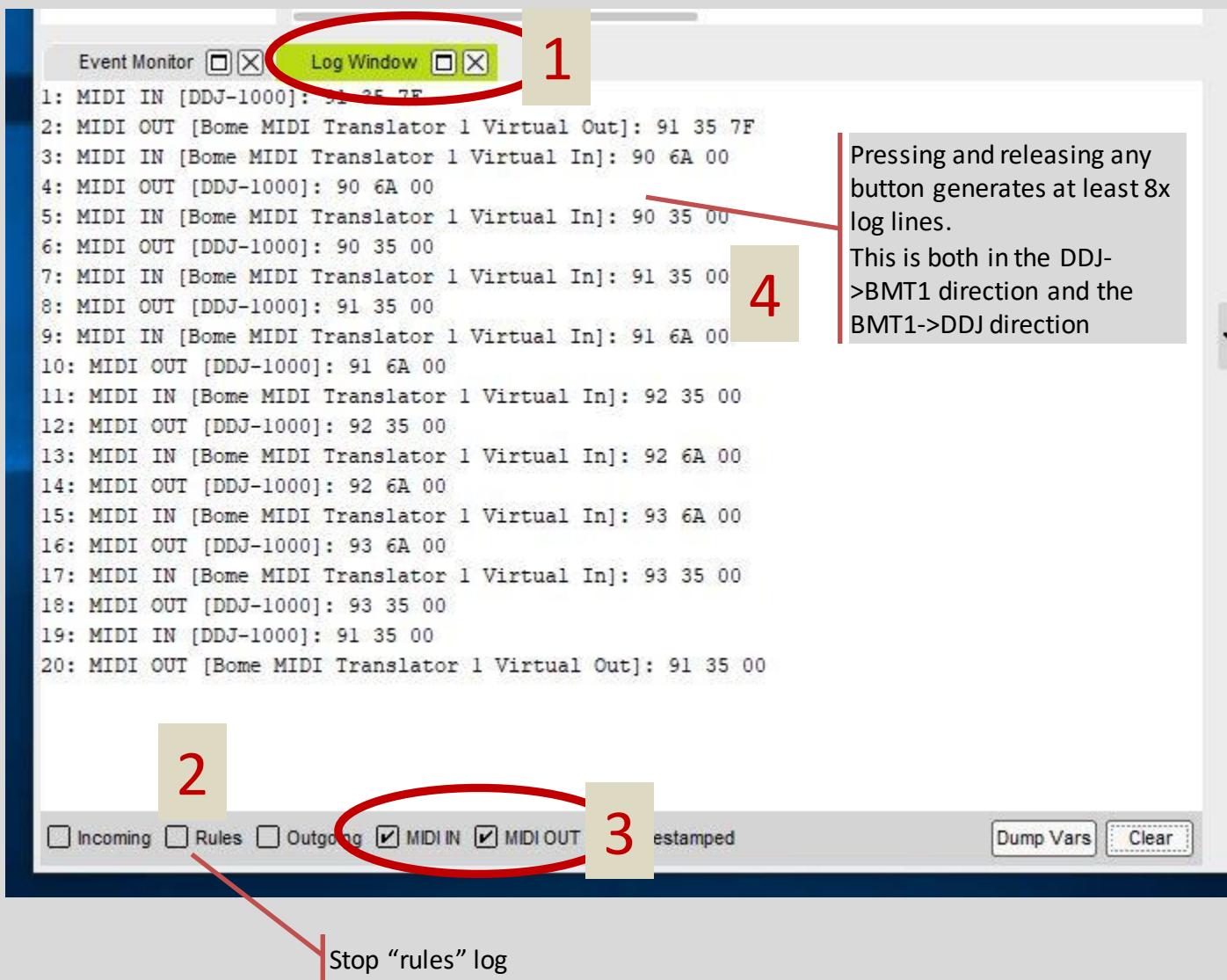
first click here

First 2x pages with virtual device #1, IN+OUT
HC4500 page with virtual device #2, OUT only



IMPORTANT: THESE SETTINGS CHANGED IN V7.0!!!
WE NOW USE 2x VIRTUAL DEVICES

BOME: confirm bidirectional flow



Step #5a

PROPER START SEQUENCE

PROPER START-UP SEQUENCE IF YOU HAVE PROBLEMS:

1. Stop everything
2. Start Laptop
3. Start BOME
4. Start your DDJ
5. Start Traktor

If you get a “Pending device Error” in BOME, reconfirm you are NOT opening the DDJ-1000 device in traktor.

In this case, just reinstall the TSI again.

Never do this!!



The screenshot shows the 'Project Default MIDI Ports' settings in BOME. Under 'MIDI INPUT' > 'From Traktor', there is a table:

MIDI IN Port	Port State
Bome MIDI Translator 1 Virtual In	open (implicit)
Bome MIDI Translator 2 Virtual In	open (implicit)
Bome Virtual Port 1 -> Bome MIDI Translator 1 Virtual In	open
Bome Virtual Port 2 -> Bome MIDI Translator 2 Virtual In	open
DDJ-1000	closed
From DDJ -> DDJ-1000	pending (error)
From HC4500 -> Bome MIDI Translator 2 Virtual In	open
From Traktor -> Bome MIDI Translator 1 Virtual In	open

A red circle highlights the 'pending (error)' status for the 'From DDJ -> DDJ-1000' entry. At the bottom of the screen, there is an 'Errors' window with the message: 'MIDI INPUT 'DDJ-1000' cannot be opened (maybe in use by another program?). It is set to 'pending''. A red circle highlights this error message.

IF ITS STILL NOT WORKING #1

A) 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

B) AUDIO works - but buttons doesn't :

Re-confirm you have BOME in the macOS accessibility security

Re-confirm you have "Bome midi Translator 1" on the 2x pages in Traktor

Check if any device is in "error state" in BOME

Restart BOME (toggle red button on upper right corner)

C) The buttons work, but the lights / jog screens dont:

Reset the jog Screens using shift+quantize

Restart BOME (toggle red button on upper right corner)

Restart components in this order: #1 Laptop / #2 BOME / #3 DDJ / #4 Traktor

D) (v7.0 only) Jog screens work, but timestamp doesn't go up:

Ensure you have 2x virtual bome devices, and HC4500 points to BMT#2

Deck 3 and 4 lack this feature at the moment

IF ITS STILL NOT WORKING #2

*For a small fee I will install this mapping remotely for you.
Interested? send an email to pedro.estrela@gmail.com*

ANNEXES

ANNEX: REMOTE HELP WITH A WETRANSFER VIDEO

HD VIDEO RECORDING:

I may ask you to record a video of your issue if I don't understand it.

In this case follow these steps:

1. Preparation:

- 1. Find a repeatable method to trigger the issue**
- 2. Only use Loops as the music source**
- 3. Turn on the lights of your room**
- 4. Always record in high definition**

2. Demonstration:

- 1. Use landscape mode**
- 2. Point your camera to the controller and then to the screen to show me specific things.**
- 3. Be sure that I can see the whole screen.**
- 4. Make the video as long as necessary for me to see the issue clearly.**

3. If you need to use two hands:

- 1. drop the camera in the table for that operation**

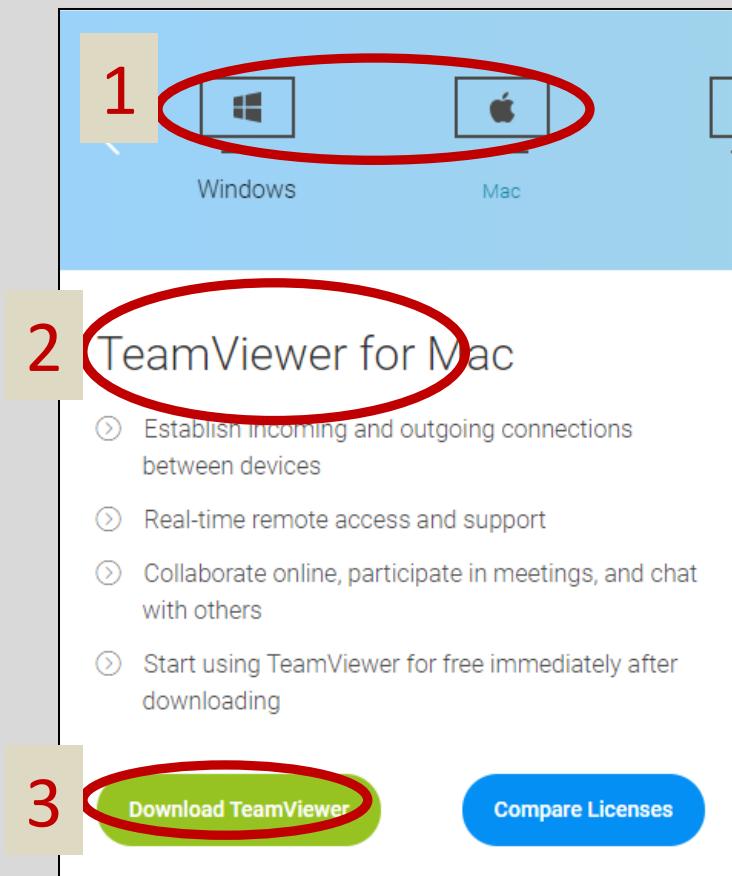
4. Post processing:

- 1. Upload the HD video to <http://wetransfer.com>**
- 2. Send me the link to pedro.estrela@gmail.com**

ANNEX: REMOTE HELP WITH TEAMVIEWER

TEAMVIEWER SOFTWARE INSTALLATION:

1. Teamviewer is a **free** way to remote control
2. Its also very **simple**. No login needed.
3. Download link:
 1. <https://www.teamviewer.com/en/download/mac-os/>
 2. <https://www.teamviewer.com/en/download/windows/>

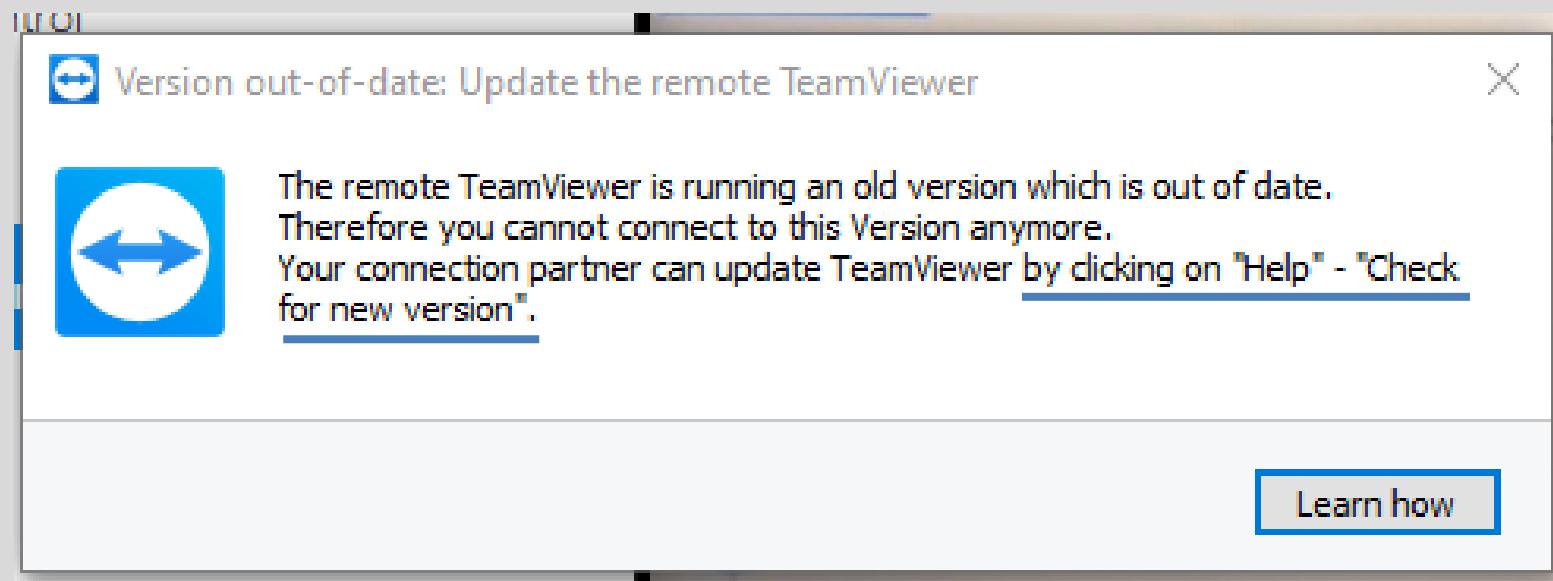


TEAMVIEWER OLD VERSION:

If you have MacOS Sierra 10.12.6, install v13 instead:

https://download.teamviewer.com/download/version_13x/TeamViewer.dmg

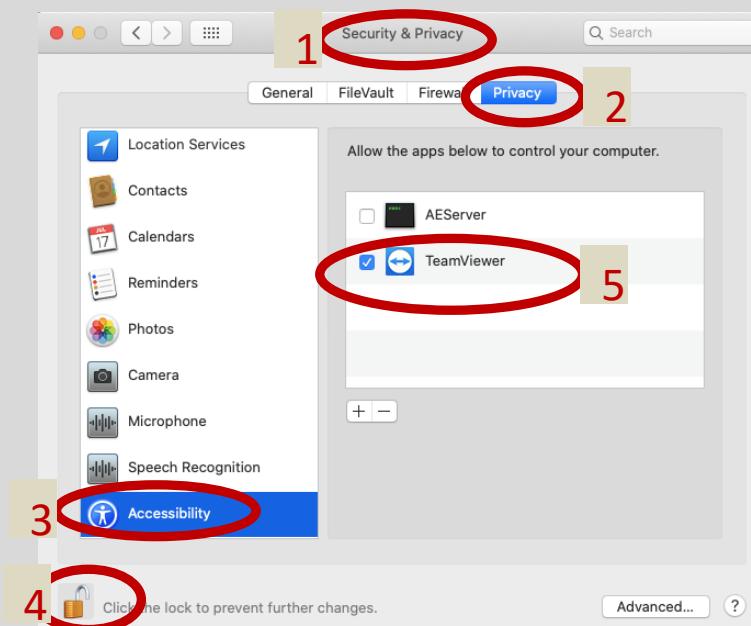
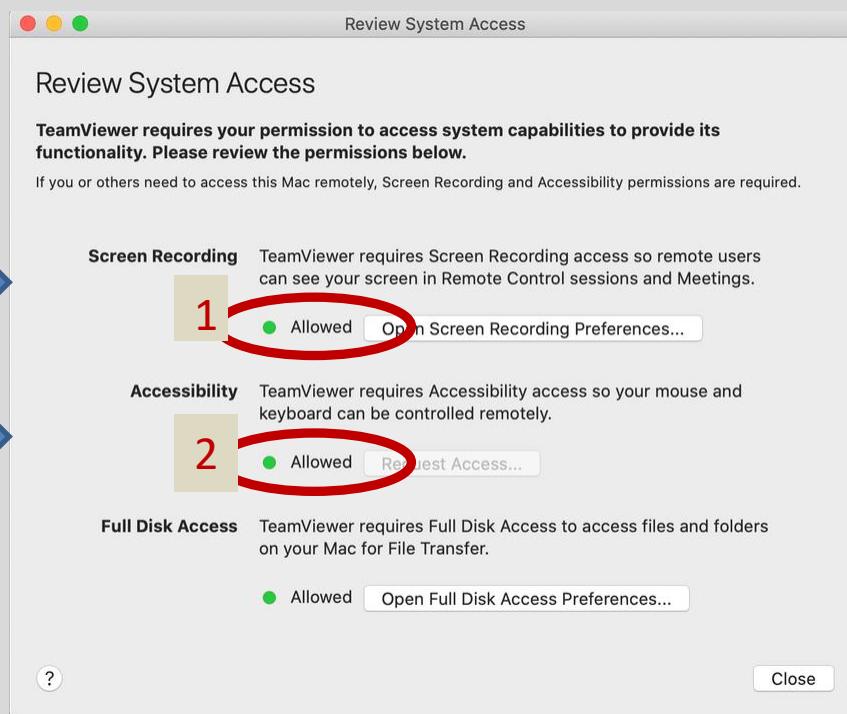
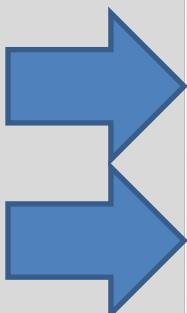
Then, update it by clicking “Help” / “Check for new version”



MAC-OS SECURITY ENABLE:

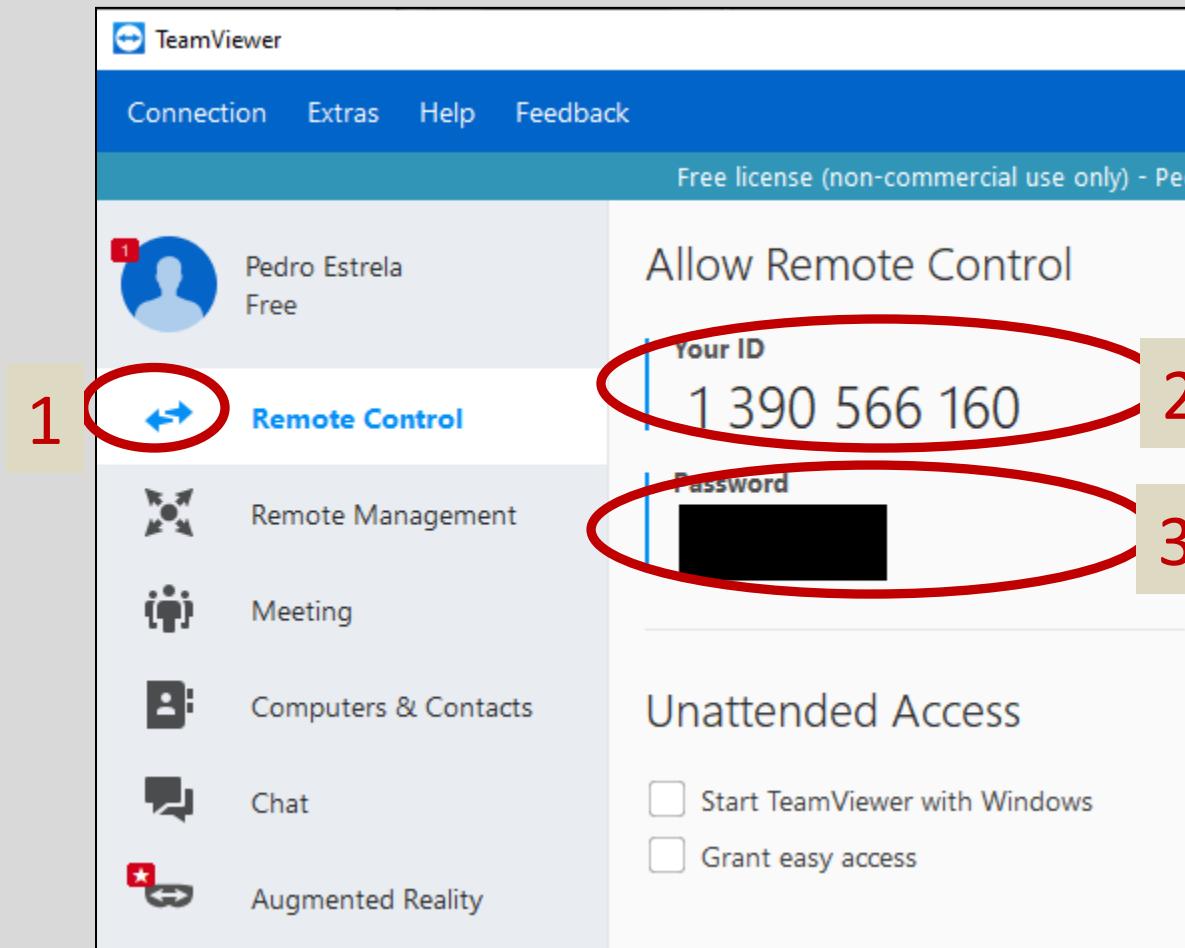
1. macOS 10.9 and later:
 1. System Preferences → Security & Privacy → Privacy → Accessibility -> Add “Teamviwer”
2. macOS 10.8 and earlier:
 1. System Preferences → Universal Access → check 'access for assistive devices'
3. More info: <https://community.teamviewer.com/t5/Knowledge-Base/How-to-control-a-Mac-running-macOS-10-14-or-higher/ta-p/44699>

Enable
these two!



TEAMVIEWER REMOTE CONTROL:

1. Run the software
2. Send me your teamviwer ID and password

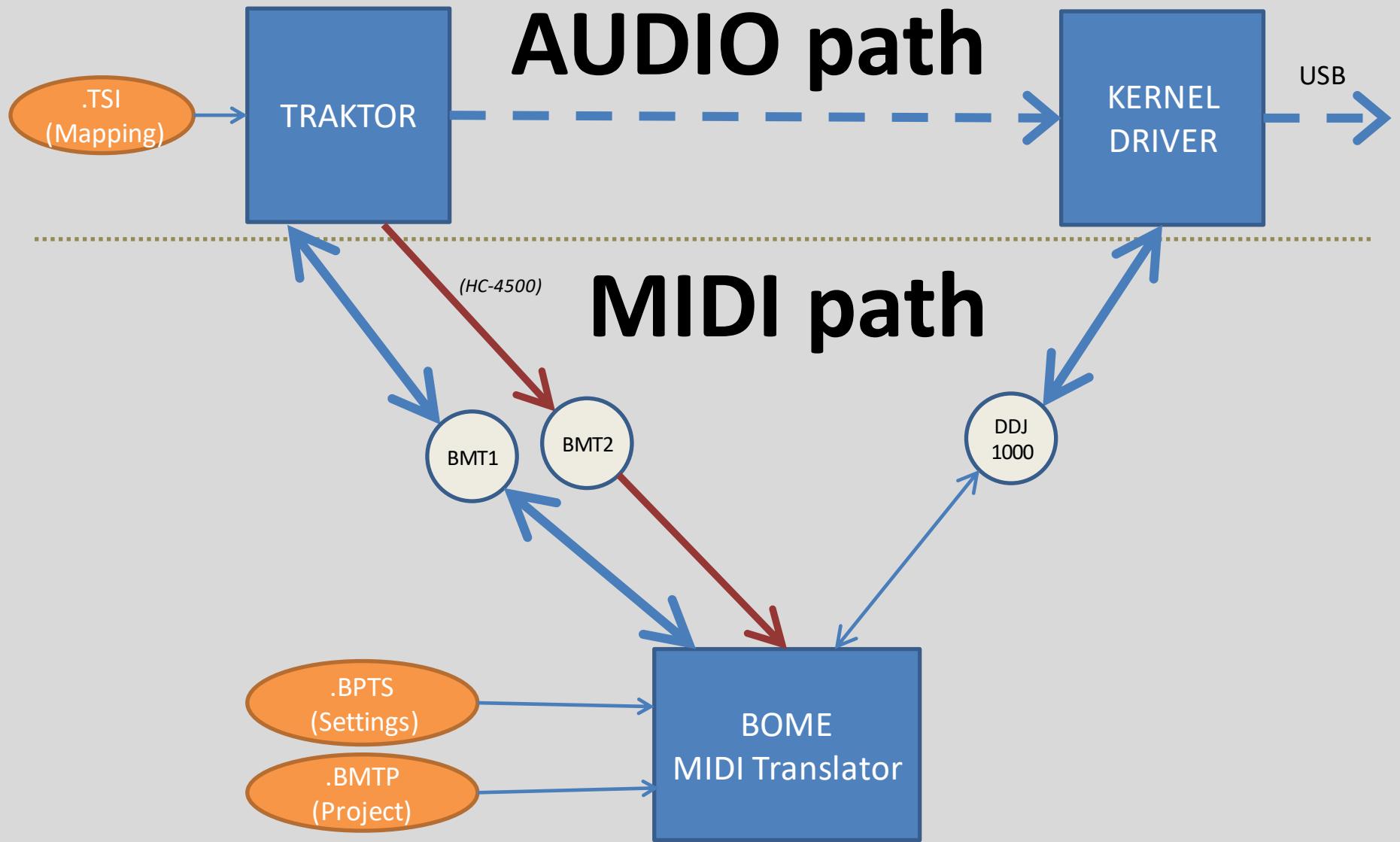


VIDEO CALL:

1. Tell me which timezone you are. I'm in Western Europe.
 1. Use this link: <https://www.timeanddate.com/worldclock/meeting.html>
2. Call me in Facebook messenger or WhatsApp
3. Show me the controller as exemplified below.
 1. You will need both hands free to use shortcuts



ANNEX: STABILITY, RESTARTS AND FIRMWARE BUGS

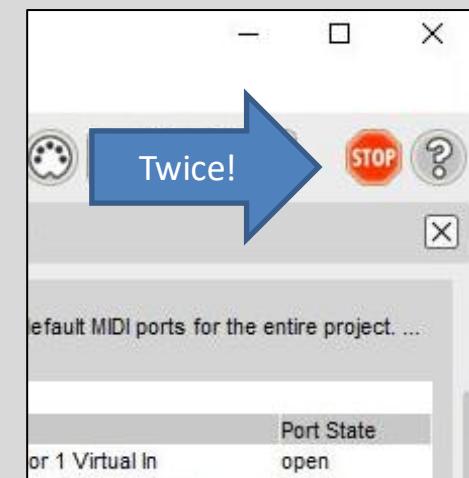


DDJ-1000: Restart stability

What happens in the following situations, without doing any further manual work?

	Audio?	Midi Control?	LEDs?
Stop Traktor	Audio Stop	Stops	Stops
Start Traktor	Needs manual start	Starts by itself	Starts by itself
Stop BOME	Audio continues	Stops	Stops
Start BOME	Audio continues	Starts by itself	Starts by itself
Power-off DDJ	Audio stops	Stops	Stops
Power-on DDJ	Continues where it was	Starts by itself	Needs manual BOME restart
Remove USB cable	(same)	(same)	(same)
Reconnect (same DDJ port)			
Remove USB cable	(same)	(same)	(same)
Reconnect (diff. DDJ port)			

To restart BOME:



UPDATE: future bome 1.8.5 will significantly improve this situation. Stay tuned.

DDJ-1000: forced MIDI mode

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

In particular there was **no difference** on the restart stability (see prev page).

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.

DDJ firmware Bugs / Limitations

DDJ-1000:

Ticket number	Controller	Description
147606	DDJ-1000	Jog screen sync led gets stuck
147606	DDJ-1000	BeatFX doesn't respond to messages, and doesn't tell the current state
147606	DDJ-1000	Jog Ring brightness not customizable
147606	DDJ-1000	Impossible to know which deck you are (deck1 vs 3)
203047	DDJ-1000	Faders ignore USB-selector
205732	DDJ-1000	Impossible to know beatFX parameter value

Other:

Ticket number	Controller	Description
147606	DDJ-1000SRT	Jog Screens not mappable because of a business decision of the Serato company
147606	DDJ-800	Jog Screens dead, eventough they are described in the MIDI table and are the same as DDJ-1000
159944	XDJ-XZ	Shift doesn't send alternative messages
159944	XDJ-XZ	Jog screens only have needle and cue marker
159944	XDJ-XZ	Jog turn/touch same message for vinyl=off

Pioneer new ticket: https://forums.pioneerdj.com/hc/en-us/requests/new?ticket_form_id=72145
(clean your cookies and disable AddBlockPlus to use the Pioneer forum)

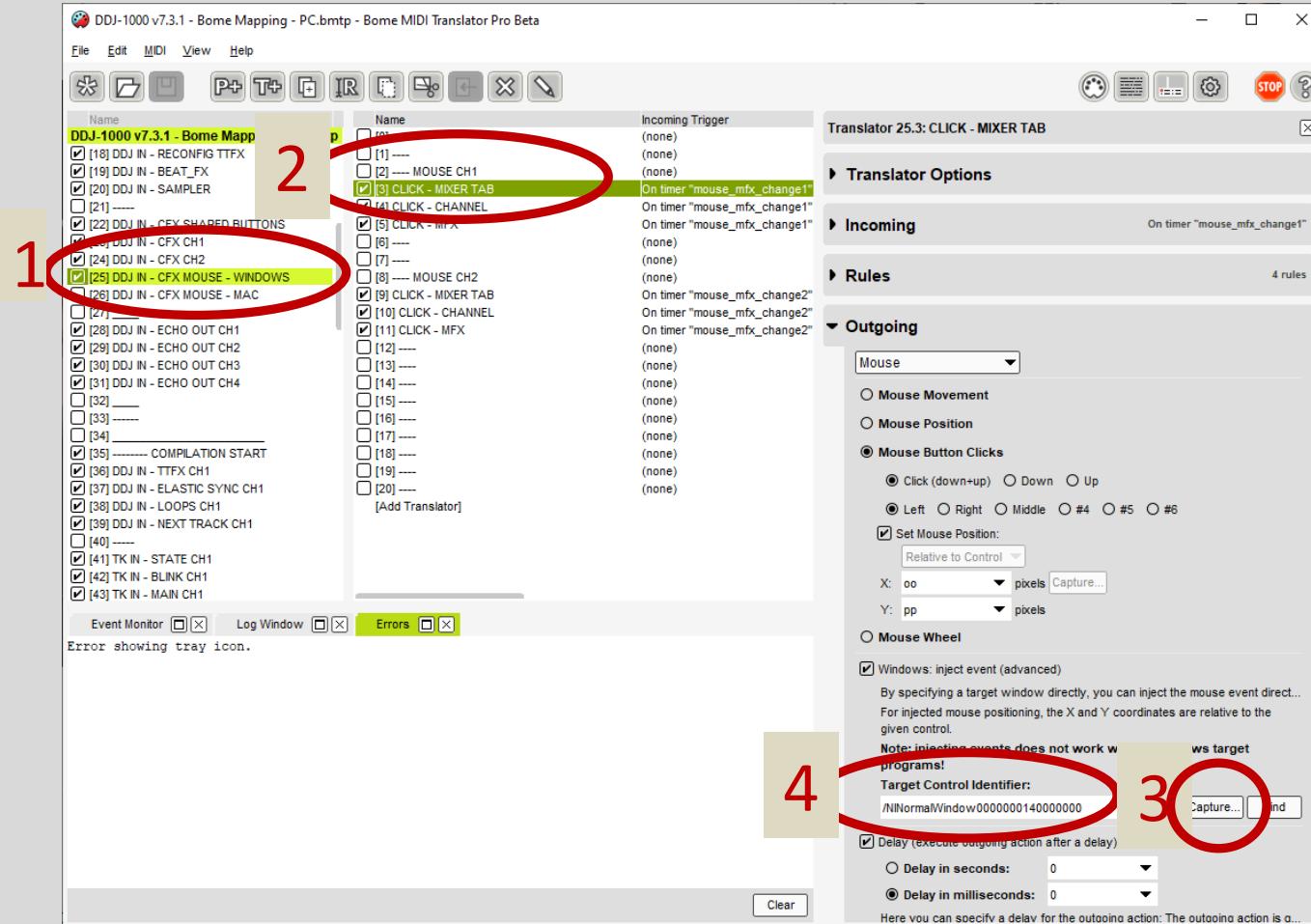
Serato new request: <https://serato.com/forum/discussion/1736390>

Traktor: 9x mixerFX

Changing 9x mixer FX is only supported for windows and TP3.3 or above

For mac a method also exists

More info: <https://maps.djtechtools.com/mappings/10575>



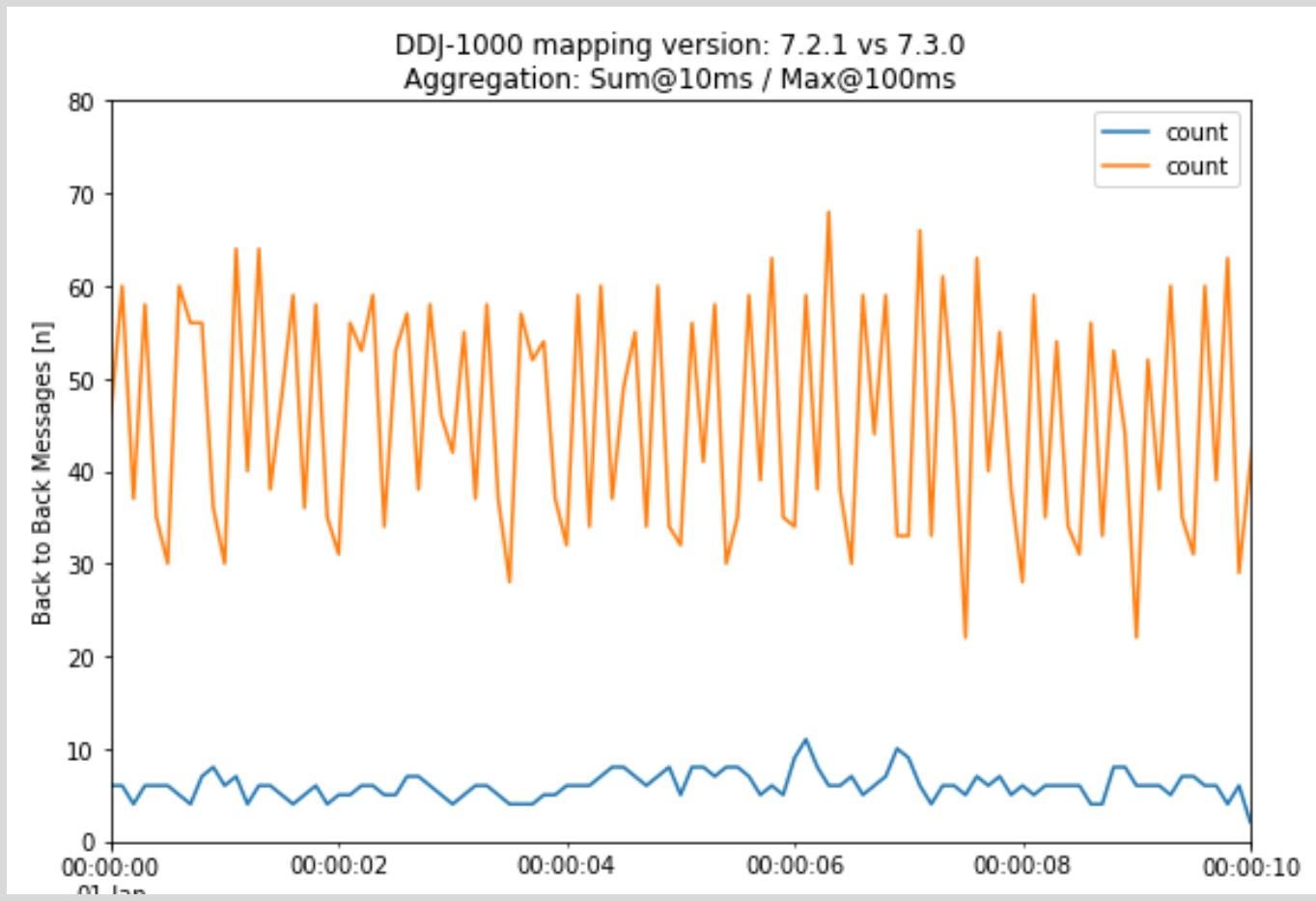
Traktor: Slowdowns

V7.3 improved significantly the performance on mac OS catalina by avoiding back to back messages

Demo: https://www.youtube.com/watch?v=Us0gS_qR7c

The same issue happens in HID mode:

<https://youtu.be/iB0vilkSXPg>



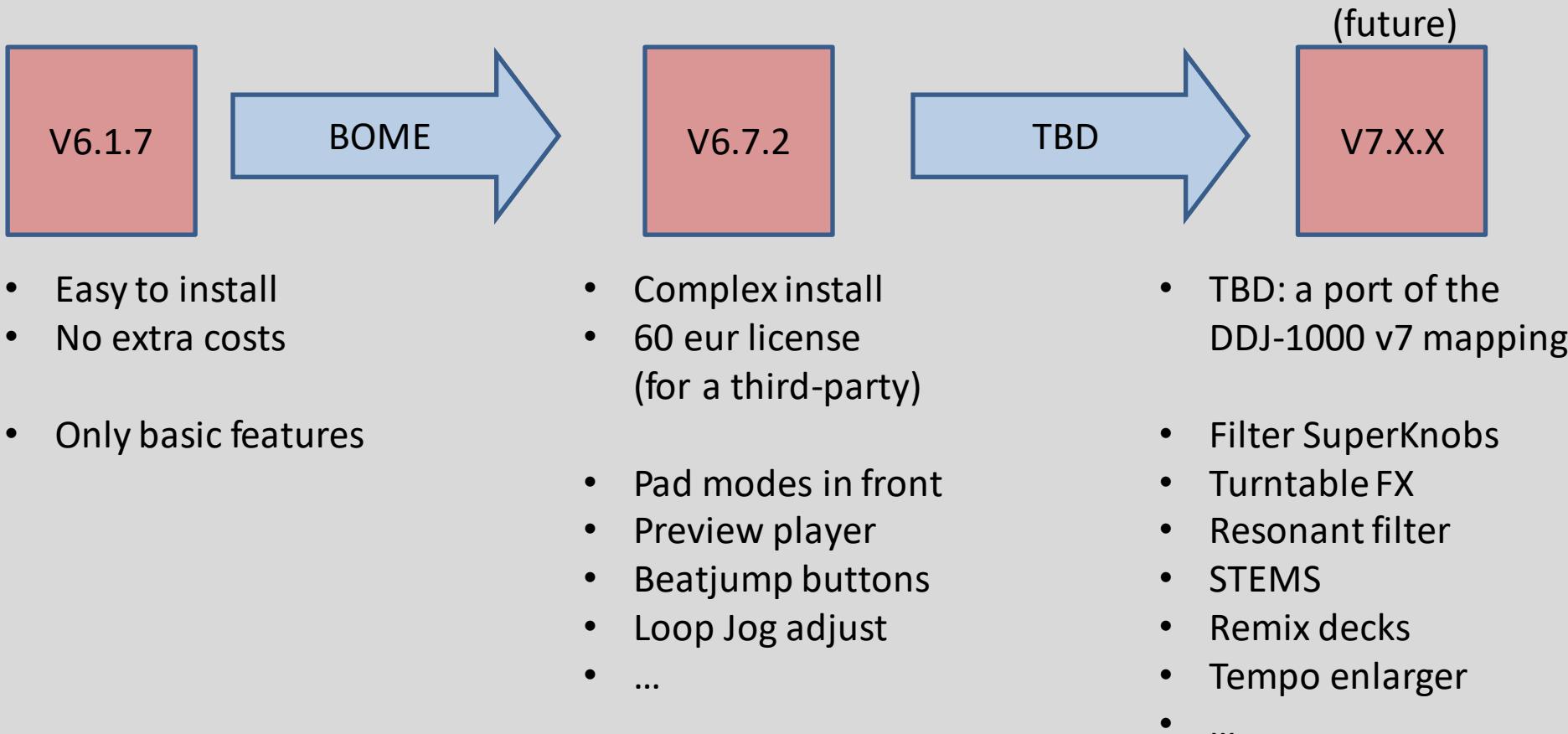
ANNEX:

SPECIFIC INFO FOR

SX2/SZ/SRT line of

controllers

WHICH VERSION TO CHOOSE (DDJ-SX2/SZ)



SX2/SZ has two versions: with/without BOME. The zip file includes both versions.

The [BOME migration](#) was essential to enable features that are impossible with Traktor alone;

in particular there is now a single unified mapping shared with the DDJ-1000.
In the future, this will enable to port the recoded v7.0 map to the SX2/SZ as well.

ANNEX: DDJ-1000SRT (1)

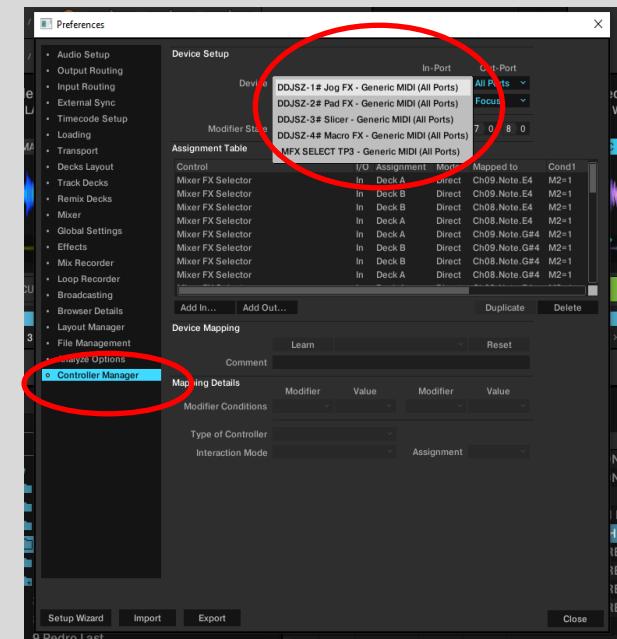
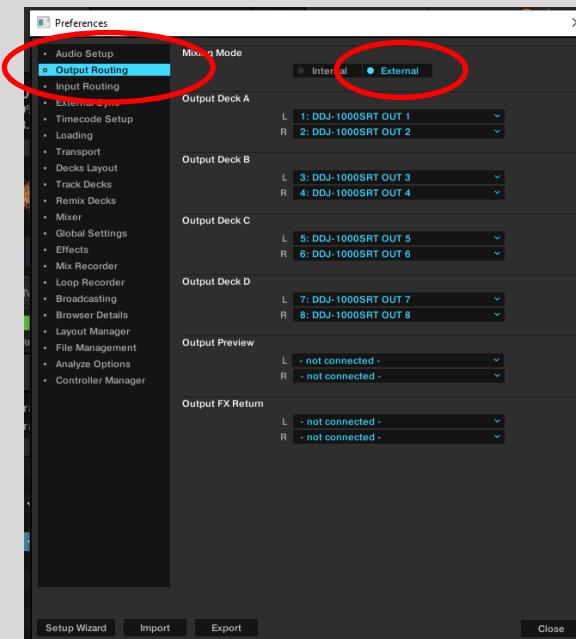
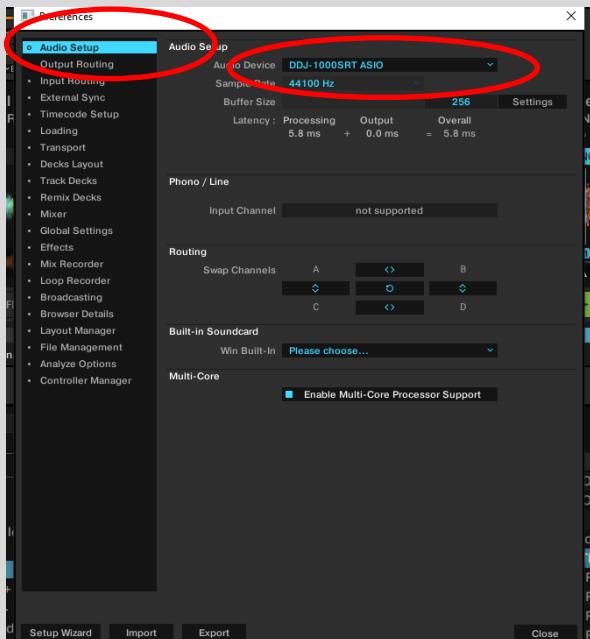
DDJ-1000SRT specific instructions for the Traktor mapping (for v6.1.X – not yet updated to V6.7.0 BOME)

Please use the specific TSI for the DDJ-1000SRT. This is the same mapping as the DDJ-SZ mapping, but with small customizations to make it work well on the SRT:

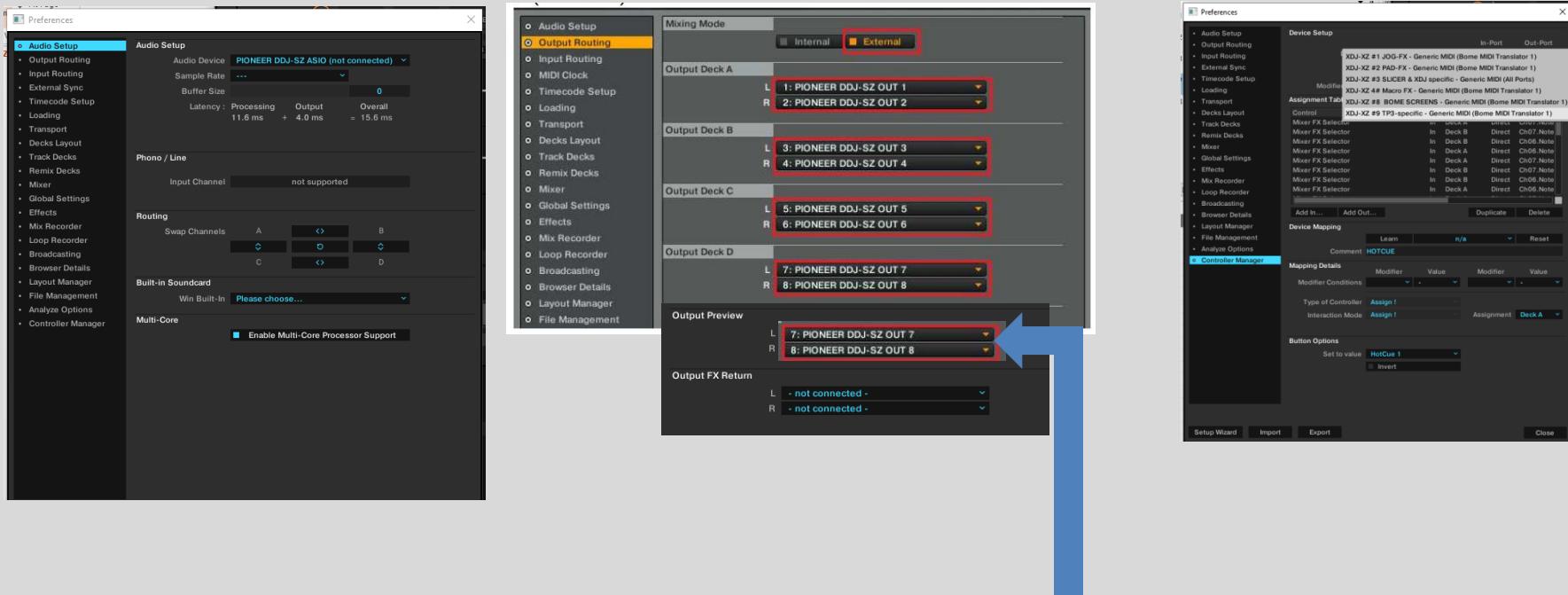
- Jog screens are NOT supported. This is because they are not documented on the Pioneer MIDI map file. Please request this in <https://serato.com/forum/discussion/1736390>
- Please put your jog weight to “heavy”
 - This will significantly improve scratching and jogFX
- Audio device in external mode.
 - This means that ALL the pioneer effects (both colorFX and beatFX work for USB sources
 - See next slides for config
- Please avoid VINYL OFF mode. The TSI disables jog touch in this case, but the jog loses resolution compared to VINYL ON mode
- Beatjump buttons added. Please use shift+IN/OUT to configure the loop size (=jump size)
- BeatFX ON/OFF is now for pioneer beatFX only
- Automatic layout changing was removed

ANNEX: DDJ-1000SRT (2)

(note: pictures are for v6.1.X; v6.7.0 will also work, but was not tested yet)



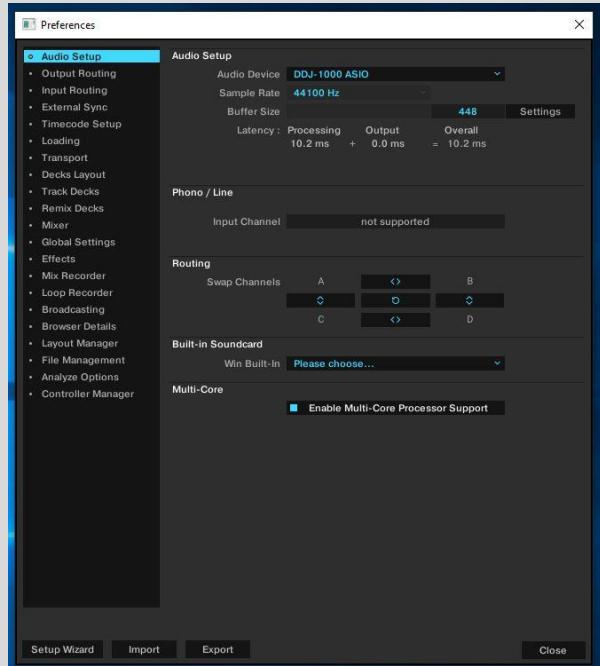
ANNEX: DDJ-SZ



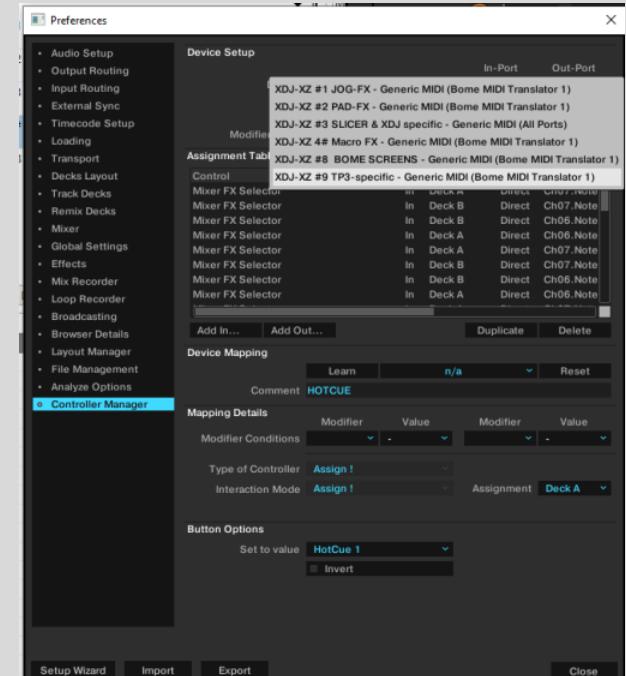
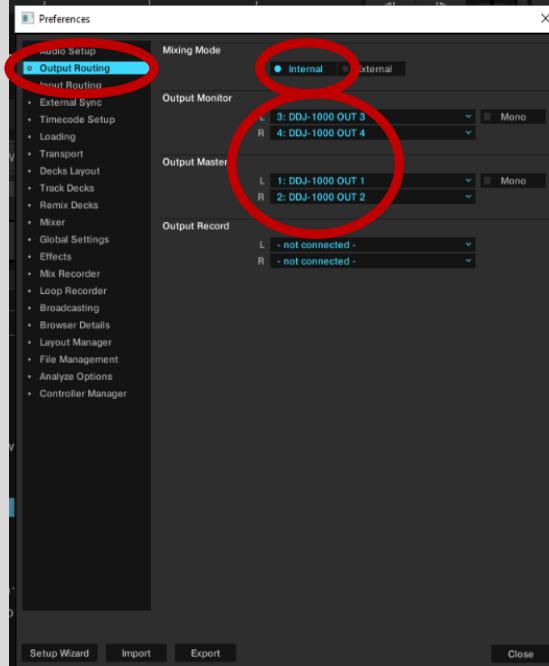
**SET PREVIEW TO
SAME VALUES
AS DECK 4!**

ANNEX: DDJ-SX2

(Select SX2 device here)

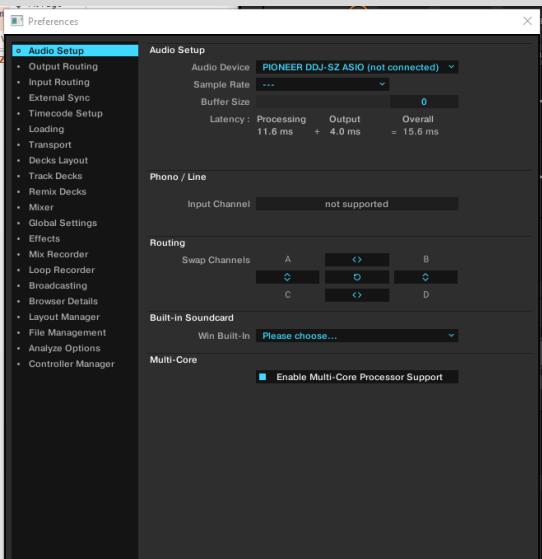


(Put SX2 channels here)

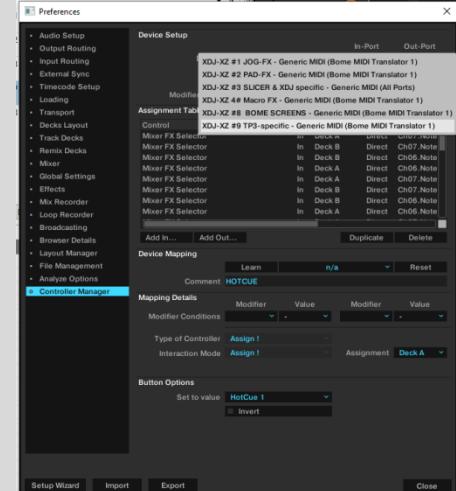
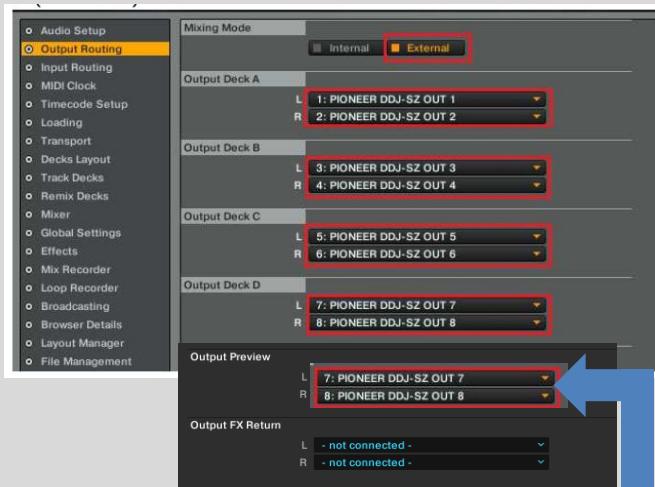


ANNEX: DDJ-SX3

(Select SX3 device here)



(Select SX3 device here)



SET PREVIEW TO
SAME VALUES
AS DECK 4!

ANNEX:

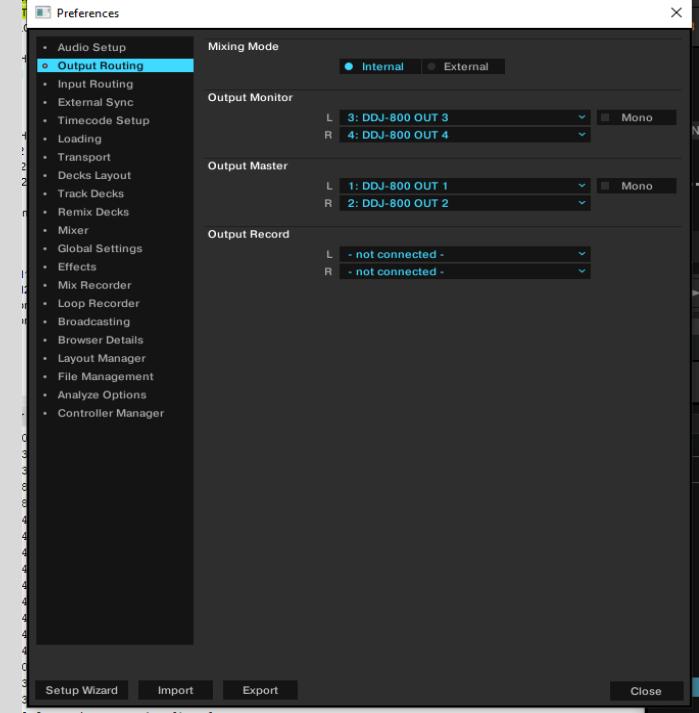
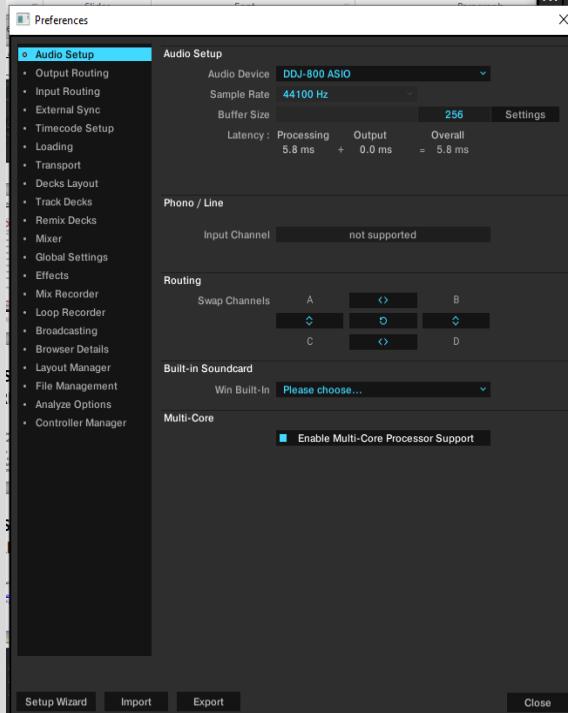
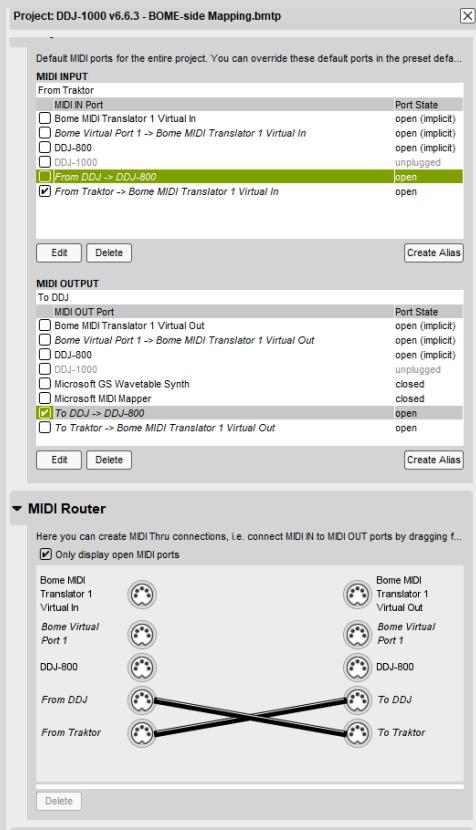
SPECIFIC INFO FOR 800, XDJ-XZ, and XP line of controllers

ANNEX: DDJ-800

DDJ-800 specific notes:

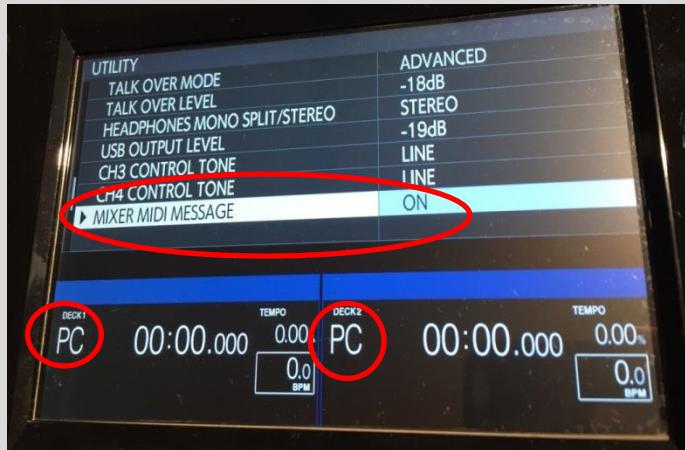
- Firmware 1.01 (april 2019) has a bug that precludes using the jogs screens.
- This was reported and acknowledged by Pioneer.

<https://www.pioneerdj.com/en-us/support/software/controller/ddj-800/>

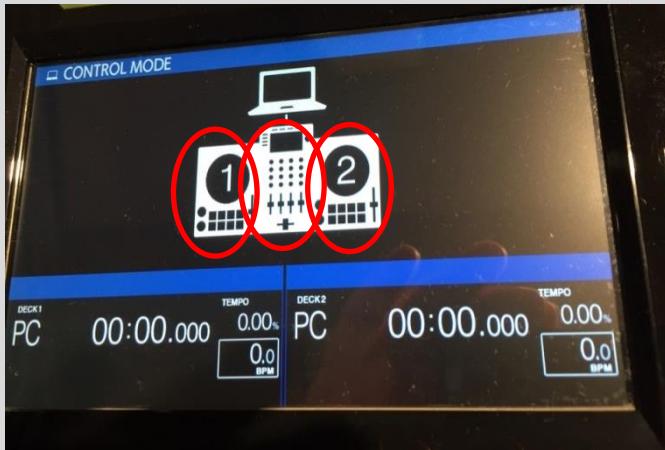


ANNEX: XDJ-XZ (1/3)

Device Config:



To link: press browse / press Link / press Load1+2



More info: See page 128 of the Pioneer Manual:

<https://github.com/pestrela/music/blob/master/ddj/4%20Manuals/XDJ-XZ%20-%20Full%20Manual.pdf>

XDJ-XZ features video:

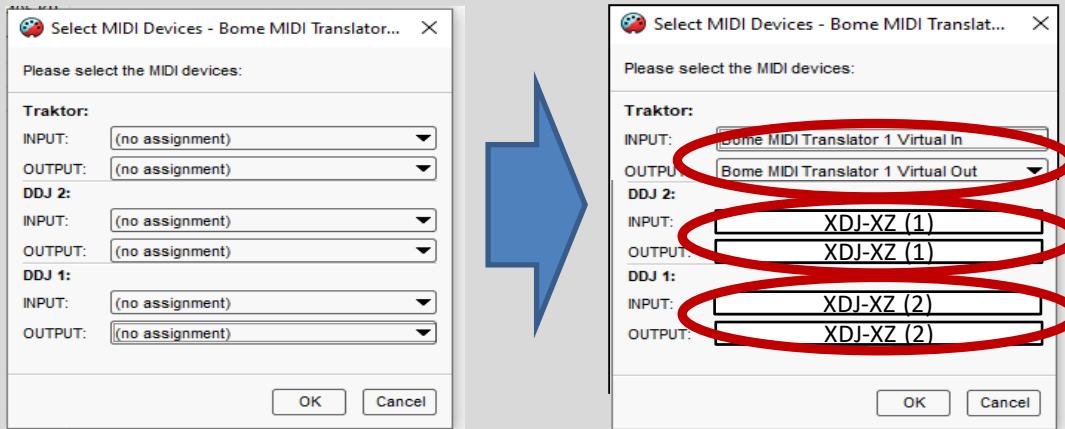
<https://www.youtube.com/watch?v=7EPfY9bGGlw&list=PLI1vTGzSxI0UV1oJfRDL4fYY9oRyLkBik&index=1>

BOME installation video:

https://youtu.be/MbGP_ECnWiQ

ANNEX: XDJ-XZ (2/3)

BOME aliases:



Proper BOME config:

This screenshot shows the BOME configuration for the XDJ-XZ. It includes two main sections: 'MIDI IN Port' and 'MIDI OUT Port'. Under 'MIDI IN Port', there are several entries, with the first three circled in red. Under 'MIDI OUT Port', there are also several entries, with the first three circled in red. The entries involve various ports like 'Bome MIDI Translator 1 Virtual In' and 'XDJ-XZ (1)' or 'XDJ-XZ (2)'.

Proper BOME config:

This screenshot shows the 'MIDI Router' section of BOME. It lists connections from various sources ('From DDJ 1', 'From DDJ 2', 'From Traktor') to various destinations ('To DDJ 1', 'To DDJ 2', 'To Traktor'). A large red circle highlights the entire router area, indicating that no connections should be present here.

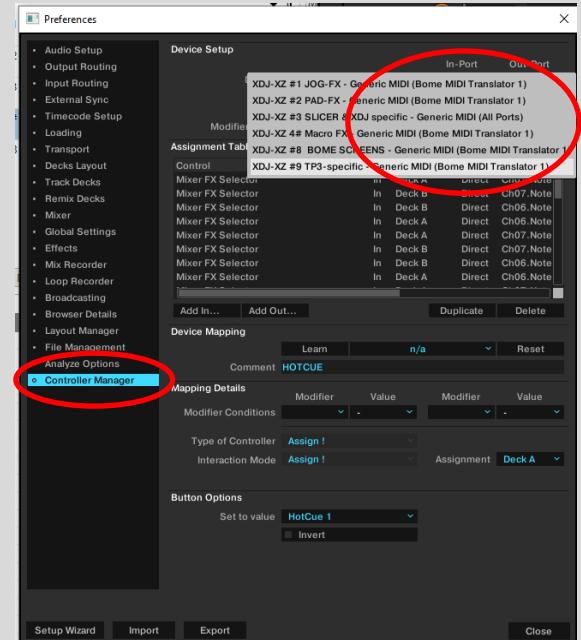
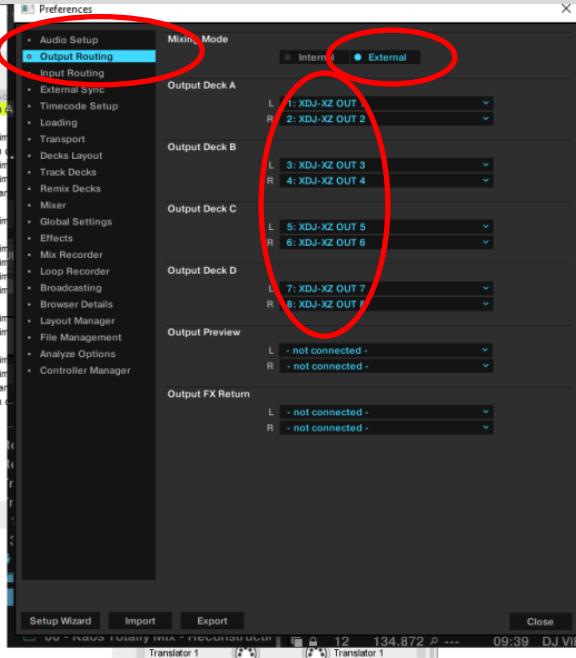
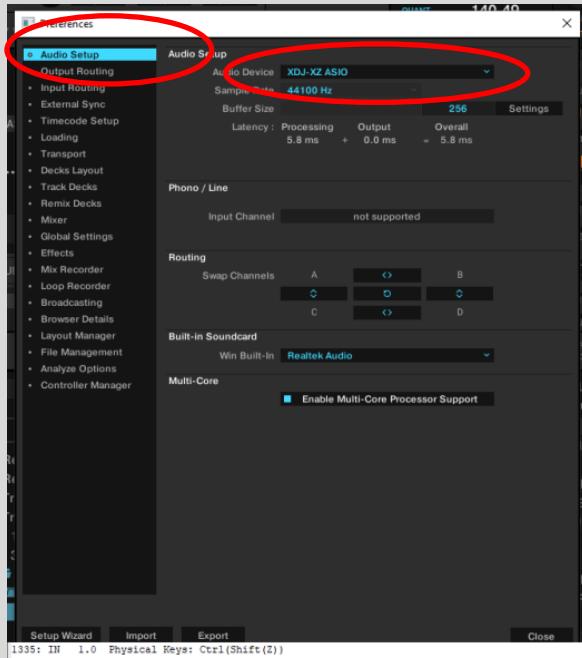
Proper BOME log:

```
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)'

 Incoming  Rules  Outgoing  MIDI IN  MIDI OUT  Timestamped
```

ANNEX: XDJ-XZ (3/3)

Traktor config:



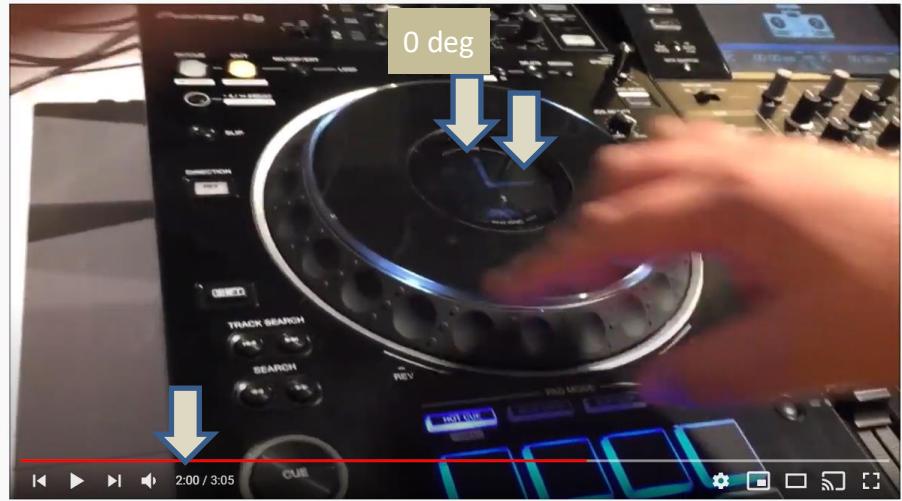
XDJ-XZ “ghosting”

The XDJ-XZ firmware has a bug that sets to zero the least significant bit 7-bit of 14-bit CC messages.

This means that randomly a “ghost needle” will appear at exactly:

- 0 degrees,
- 128 degrees,
- 256 degrees.

This is a known issue, and I believe its only possible to fix by Pioneer itself.



<https://youtu.be/7EPfY9bGGIw?t=120>

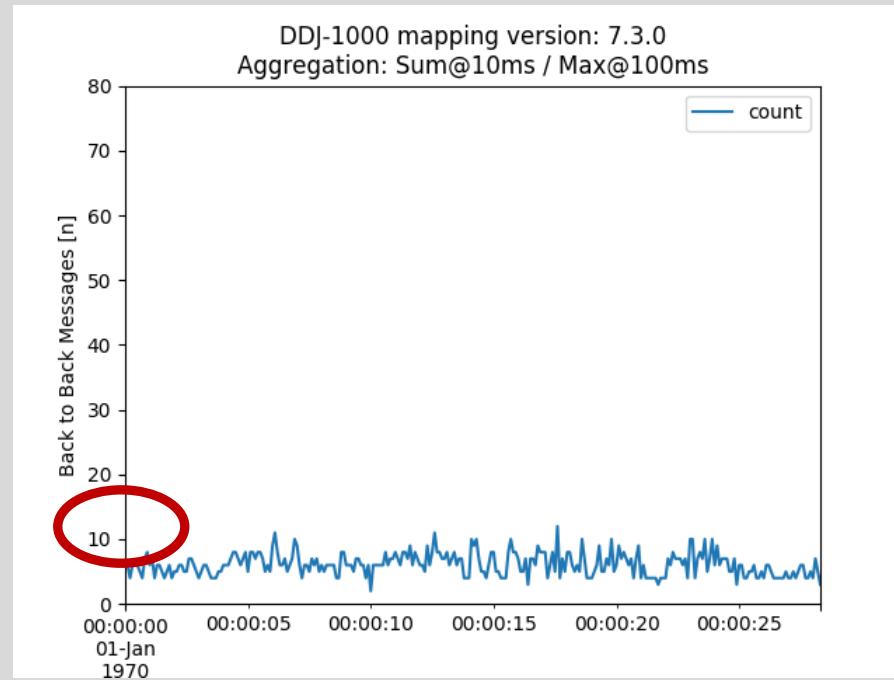
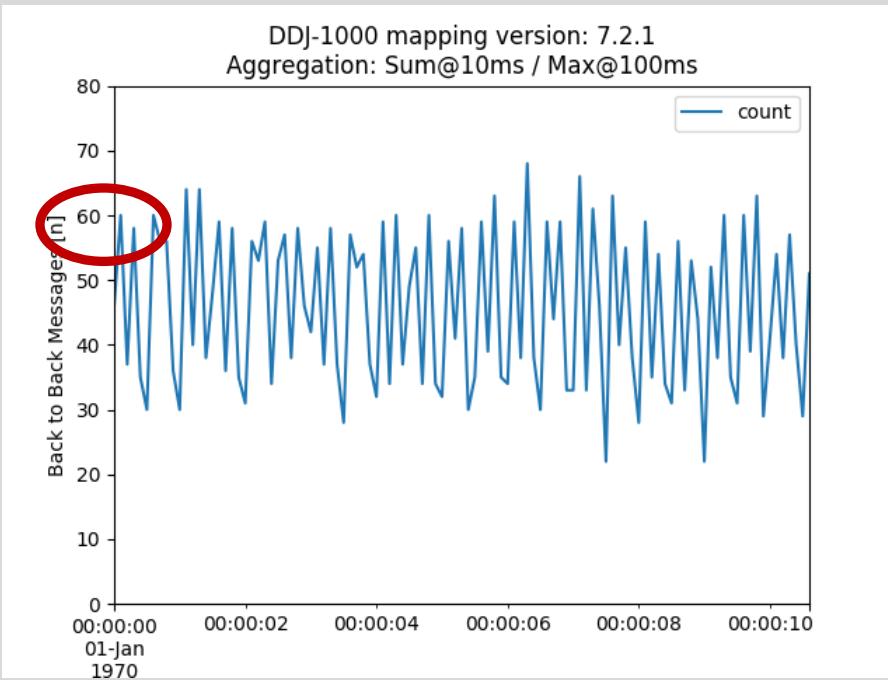
Performance: Messages in a row

The macOS DDJ-1000 kernel driver has poor performance when BOME/Traktor sends too many messages in a row.

In Windows this is not a problem.

Same story for Bootcamp (running Windows in mac Intel hardware)

The latest version of the mapping explicitly shapes the messages, to avoid this issue.



Mapping History

This mapping has many man-years of work combined.

It was derived from the famous JaJa/Viper mapping, that goes back to 2012.

Since 2012 it was both ported and back-ported between devices multiple times.

As of v6.5.0 it was forked to use BOME.

As of v6.7.0 it was merged back to a single unified mapping for all DDJs.

As of v7.0 the mapping was redone from scratch and is now donation only.

Author	DDJ-1000	1000SRT	DDJ-SZ1	DDJ-SX2	Date	Dependency	Comment
DJ Estrela	v7.0				Jun-20	BOME	Huge features jump, donation required
	V6.8				Apr-20	BOME	MacOS specific file
		merged map V6.7			Mar-20	BOME	All maps merged to BOME
	v6.6				Oct-19	BOME	CDJ-like features
	v6.5				Sep-19	BOME	First implementation of jog screens
	V6.3				Jun-19	Traktor 3/2	Last version without BOME
		v6.1			Oct-19	Traktor 3/2	First SRT version
		V6.1	V6.1		Feb-19	Traktor 3/2	Latest SX2/SZ mapping for TP3
		V6.0			Aug-18	Traktor 2	Last SZ release for TP2
JAJA/Viper							
		v5.2			Mar-15	Traktor 2	Last SZ mapping by JaJa
			v1.3		Nov-14	Traktor 2	Last SX2 mapping by JaJa
			v0.9		Sep-14	Traktor 2	Last SX1 mapping by JaJa
			v0.6		Dec-12	Traktor 2	Last SX1 mapping by Viper
Pioneer Official							
		v2.6.8			Jul-15	Traktor 2	Last SZ official by Pioneer
			v2.6.8		Oct-14	Traktor 2	Last SX2 official by Pioneer

Map Updates

Version	Date	Major features
V7.4	Feb 2021	Smooth Echo, dual deck, polyrhythmic loops
V7.3	Dec 2020	Catalina support, central pad configuration
V7.2	Nov 2020	Simplified usage, reordered pad modes, better performance
V7.1	Oct 2020	Reliability improvements, performance improvements
V7.0	June 2020	16x filters, STEMS, remix recorder, turntable break, tempo range
V6.6	Oct 2019	CDJ-like features, whole new pad modes
V6.5	Sep 2019	Jog Screen support, better scratching

How popular is this mapping?

This mapping is one of the most popular of DJ TechTools.

It is also one of the youngest (2 years); All mappings on the top-5 have >8 years of history

#1 of DDJ-1000 mappings

Software Controller
Traktor Pioneer DDJ-1000

Trending Popular Recent Downloads

Image	Name	Uploader	Likes	Dislikes	Downloads
	2020 DDJ-1000 v7.3.0 - Mapping for Traktor Pro 3+2 with Jog Screens - DJ Estrela	dj_estrela	30	4	6569
	Mapping for DDJ-1000 traktor	Norman	13	8	1617
	DDJ-1000 4 Decks Mapping	PeRiJeY	5	2	469
	DDJ 1000 Mapping	dj_leggero	4	3	399

#12 of all Traktor mappings

#5 of Pioneer mappings

Software Controller
Traktor All

Trending Popular Recent Downloads

(...)

Image	Name	Uploader	Likes	Dislikes	Downloads
	Midi Fighter 3D All-in-1 Pack (Beaubryte)	Beaubryte	91	3	6971
	DJ TT Kontrol S2 MK1 Custom Mapping	DJ Techtools	85	16	6779
	Instapad	Yellowfruit	18	0	6704
	2020 DDJ-1000 v7.3.0 - Mapping for Traktor Pro 3+2 with Jog Screens - DJ Estrela	dj_estrela	30	4	6569

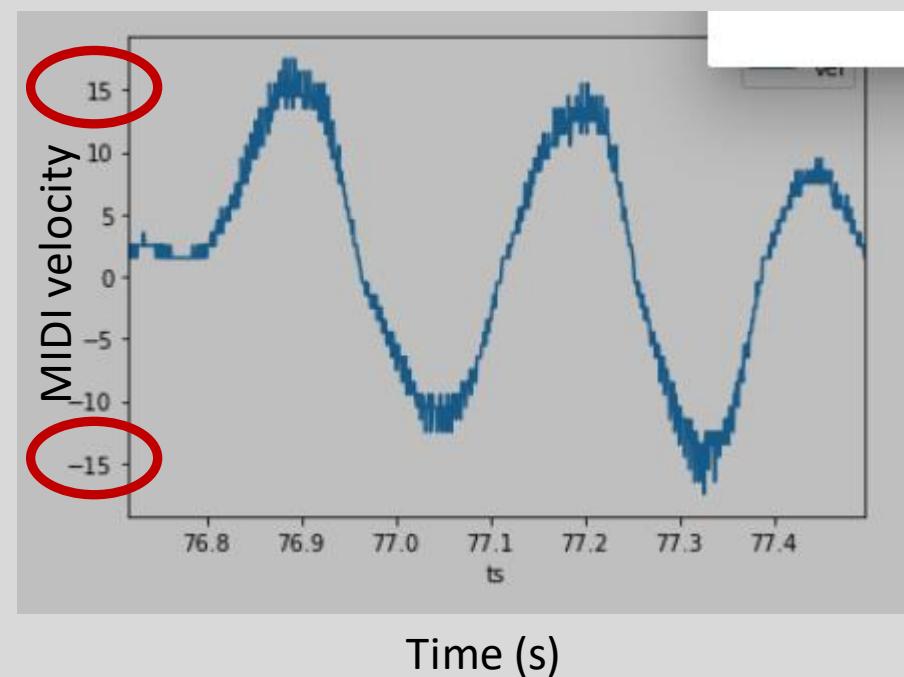
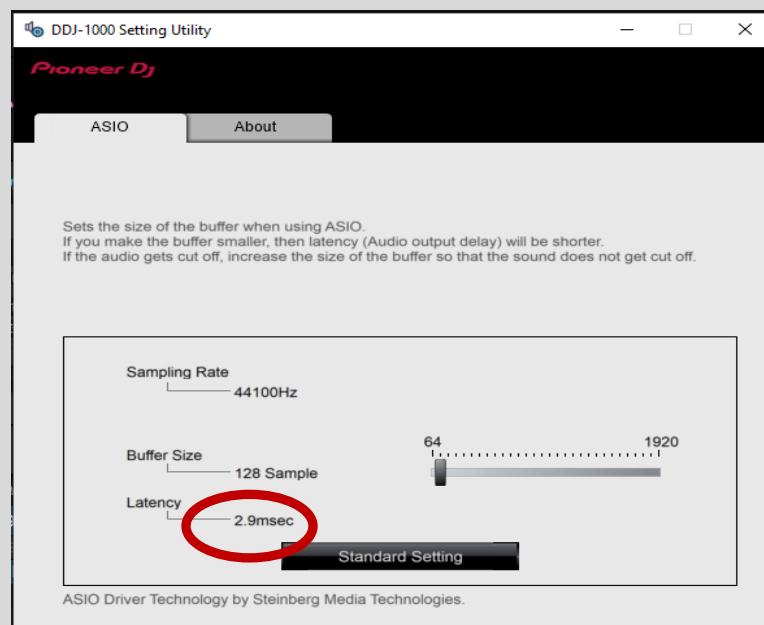
Performance: Scratching

To improve scratching, lower the audio latency as much as possible, without introducing audio artifacts (crackling)

Details: The MIDI firmware sends jog turn messages up that only range between -20..+20 points. The MIDI resolution allows a range of -64..+63, so the hardware could send increased messages.

The above also means that groups of 3x DDJ messages can be coalesced into 1x message to Traktor without any accuracy loss. I've tried it, and saw no difference in the scratching quality.

This experiment hints that the performance bottleneck is NOT Traktor, and it is either the kernel driver and/or the midi firmware.



USEFUL URLs:

- **DDJ-1000 survey:** <https://forms.gle/cf8kqpr91HHxMJcn8>
- **Bome clock values:** <http://shorturl.at/kmrLN>
- **Mappings download:** <https://my.djtechtools.com/users/830428>
- **Online documentation:** https://github.com/pestrela/dj_maps
- **Videos:** <https://www.youtube.com/user/djestrela2>
- **Support:** pedro.estrela@gmail.com