# BOME+Traktor mapping installation guide for DDJ controllers

Installation video: <a href="https://youtu.be/MbGP\_ECnWiQ">https://youtu.be/MbGP\_ECnWiQ</a>

Installation pdf: <a href="https://bit.ly/351FtCe">https://bit.ly/351FtCe</a>

**NOTE A:** The mapping requires "BOME" (page 3). The free version works for 20m each time. A BOME license costs 60 eur. The old mapping versions **do not** need BOME (page 42)!

**NOTE B:** This guide cover **all** Pioneer DDJ controllers, both Windows and Mac. Only difference is Aliases (page 10) and Output (page 29). See the annexes for other DDJs instructions (page 45)

<u>NOTE C</u>: There are **two** mappings to install: One for BOME (page 6); and one for Traktor (page 20). Do **not** configure "DDJ" in the controller manager!!

**NOTE D**: Issues? Reconfirm all steps of this guide and the video. See also the FAQ. See also the "gotchas" (page 36). I also offer a remote help service (page 37)

# Step #0

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

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

 $Firmware\ download:\ \underline{https://www.pioneerdj.com/en/support/software/controller/ddj-1000/\#firmware-update}$ 

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

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



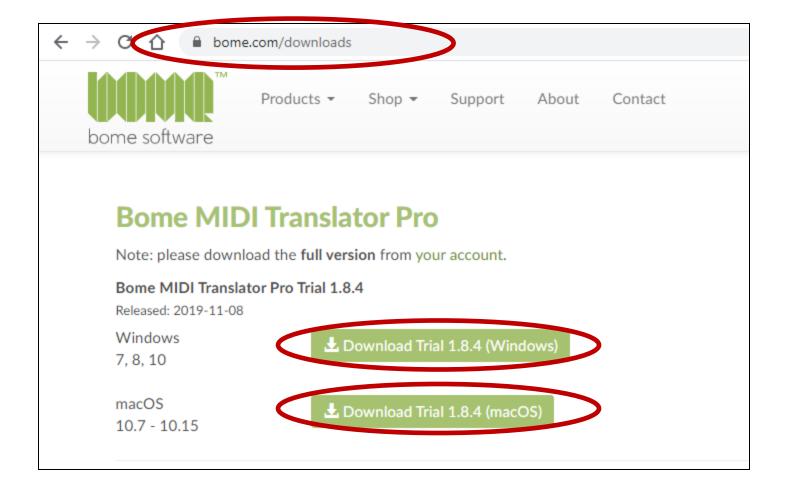


# Step #1

**BOME TRIAL: INSTALLATION** 

#### **BOME SOFTWARE INSTALLATION:**

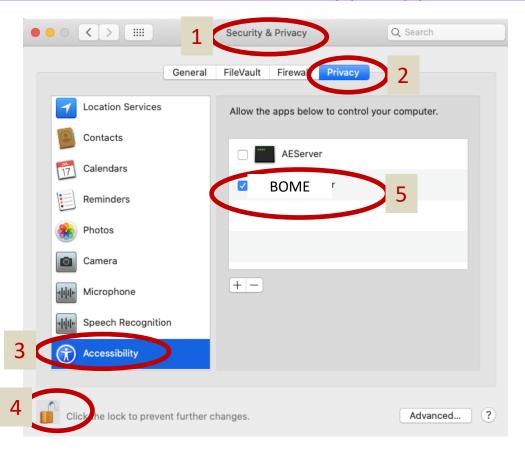
1. Download and install the BOME trial from <a href="https://www.bome.com/products/miditranslator#downloads">https://www.bome.com/products/miditranslator#downloads</a>



#### **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/macos-security-privacy-permissions/



# Step #2

**MAP FOR BOME: INSTALLATION** 

#### **PRELIMINARIES:**

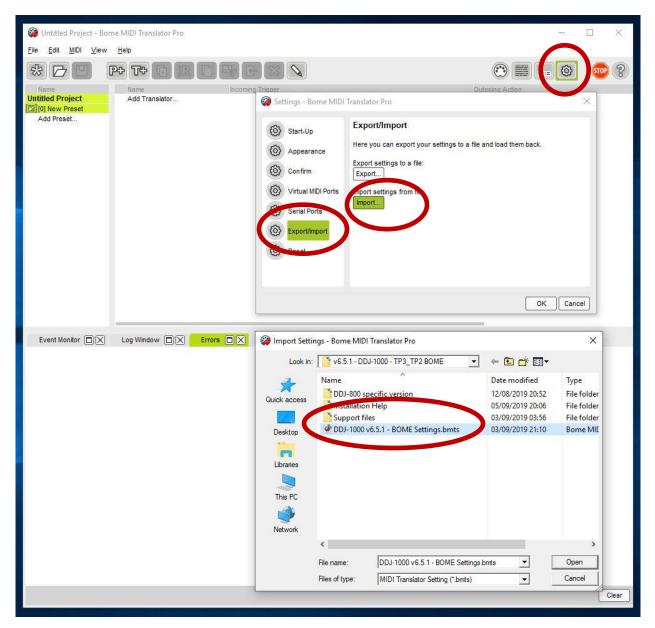
- 1. Stop Rekordbox
- 2. Stop Traktor
- 3. Expand all files in the zip file
- 4. Connect the USB cable
- 5. Turn on your DDJ

#### **INSTALLING BOME MAPPING:**

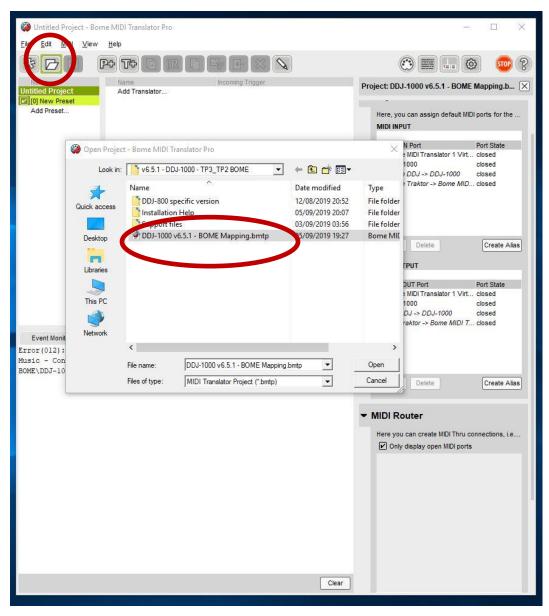
- 1. Open BOME. DO NOT RUN TRAKTOR!
- 2. <u>Settings</u>: Import the <u>settings</u> file
  - 1. Method: menu View; settings; export/import; import; select BMTS file
- 3. Mapping: load the mapping file
  - 1. Method: Click menu File; Open; select BMTP file
- 4. Do not mix up the Settings file with the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

Beware!

# **BOME:** import settings file (BMTS file)

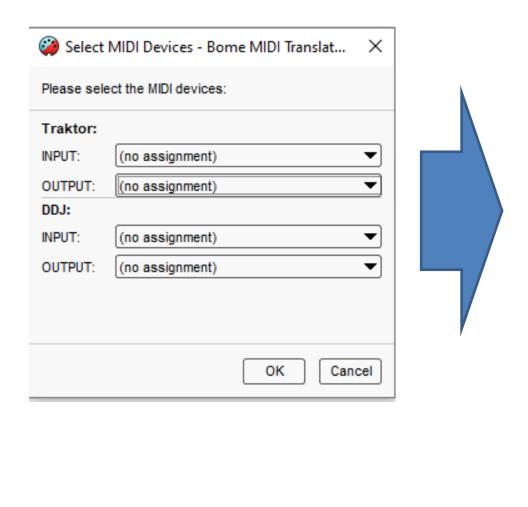


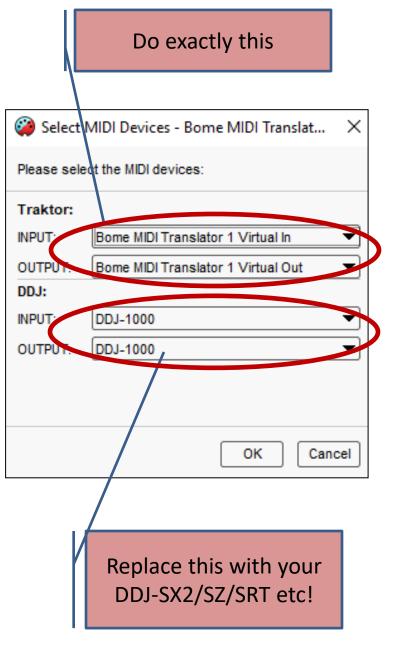
# **BOME:** import mapping file (BMTP file)



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

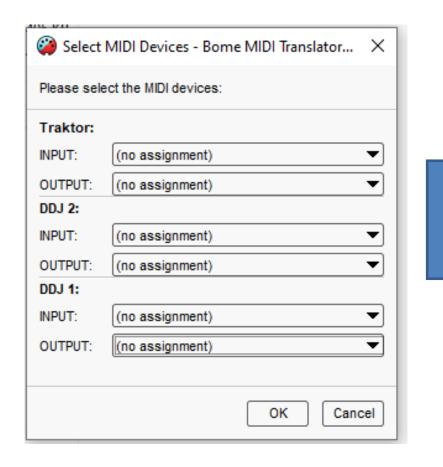
# **BOME:** Aliases

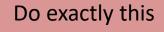


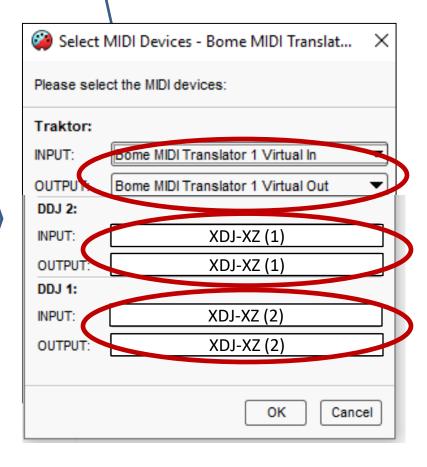


(note: see XDJ-XZ specific case in next page)

# BOME: Aliases (XDJ-XZ case)







### **BOME:** Devices

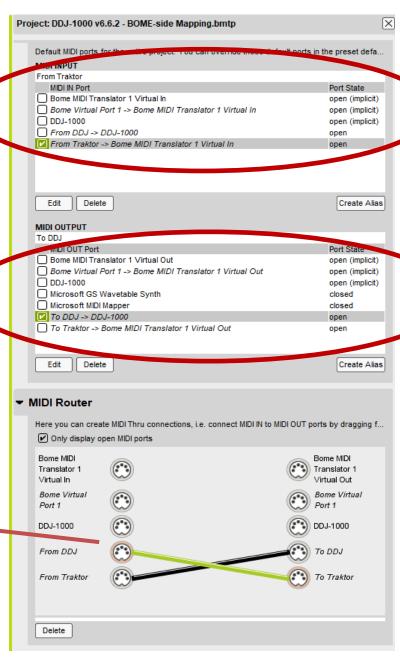
#### Confirm the devices are OPEN!

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



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

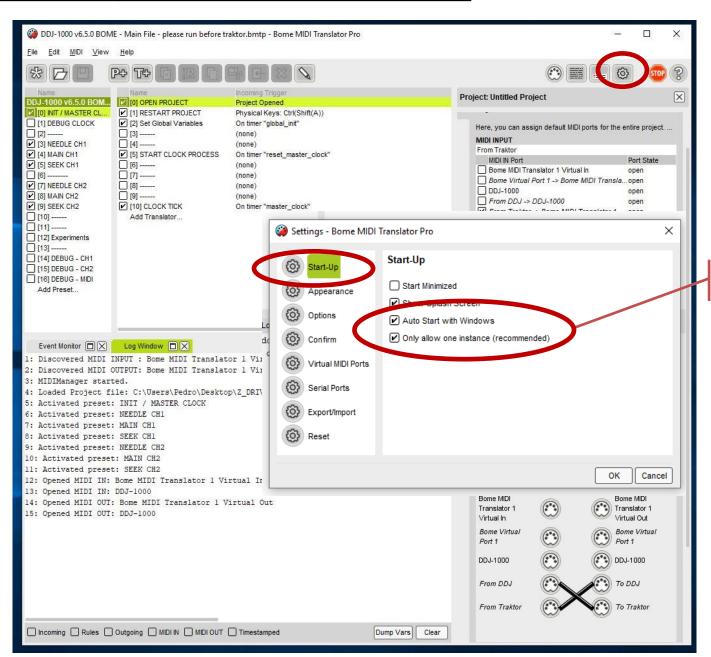
# Step#3

**MAP FOR BOM: VERIFICATION** 

#### **BOME VERIFICATION STEPS:**

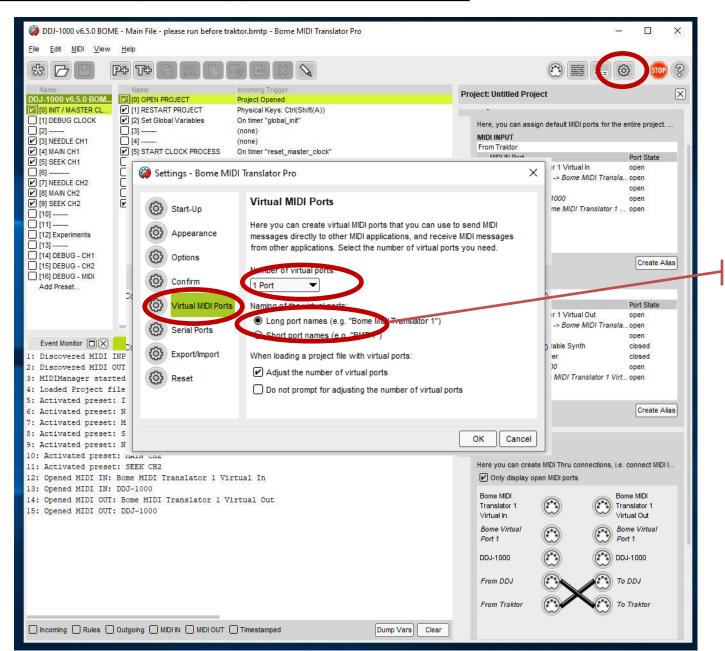
- 1. Confirm the "Bome MIDI Translator 1" device is created (longformat)
  - 1. Method: menu View; settings; virtual midi ports; 1 port; long port names
- 2. Confirm the 4x midi ports were opened correctly
  - 1. Method: Click log window; check log
- Confirm that the Controller talks to BOME
  - 1. Method: 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



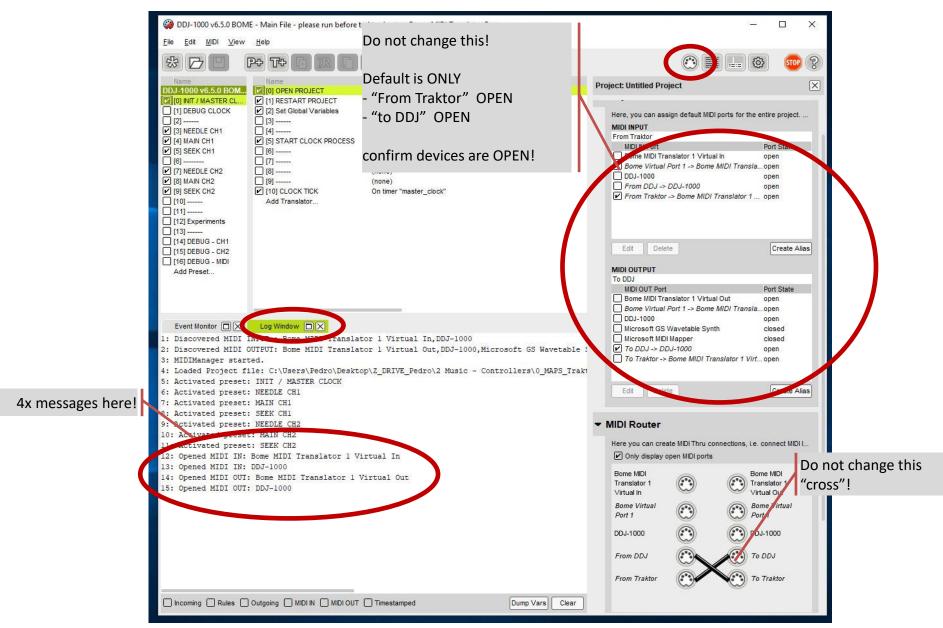
Auto start with Windows!

# **BOME** settings: long port name device

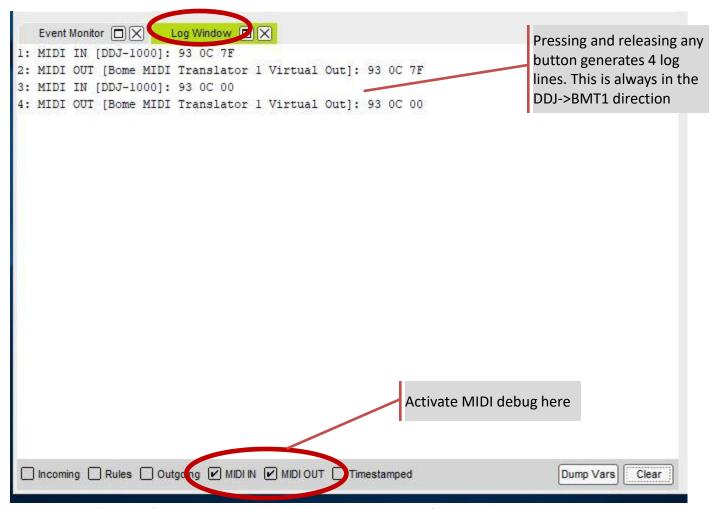


Long port names!

# **BOME: Correct startup log**

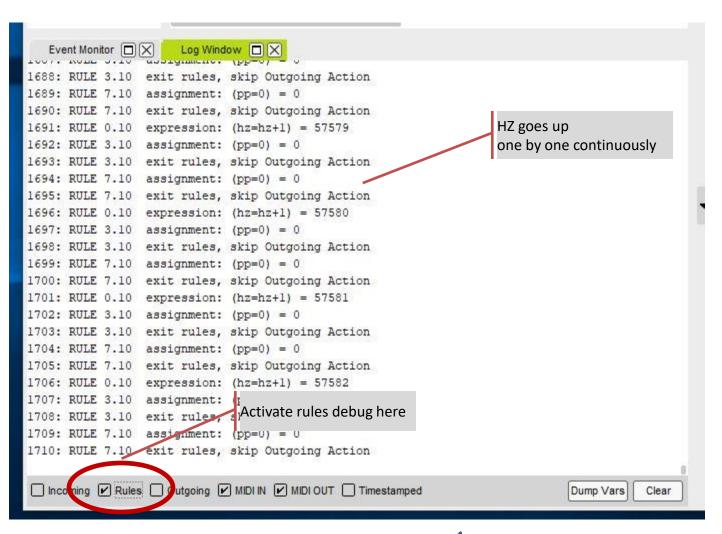


# BOME: confirm DDJ talks to BOME



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

## **BOME:** confirm internal clock



(Please click "rules" again to stop the logging)



# Step #4

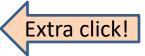
**MAP FOR TRAKTOR: INSTALLATION** 

#### **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"



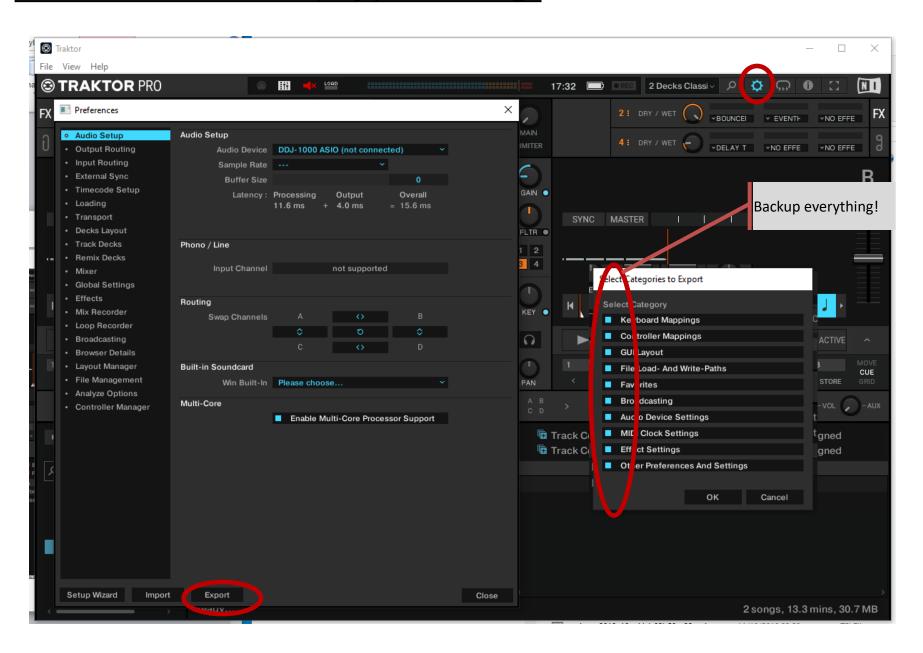
#### **INSTALL TRAKTOR MAPPING (second time):**

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

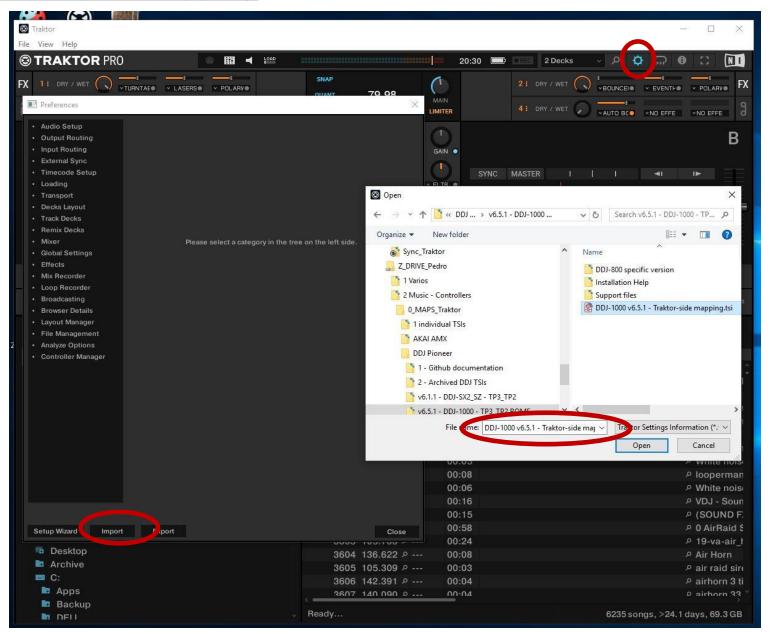
#### **MAC-OS AUDIO OUTPUT ROUTING:**

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

# TRAKTOR: create backup of your settings

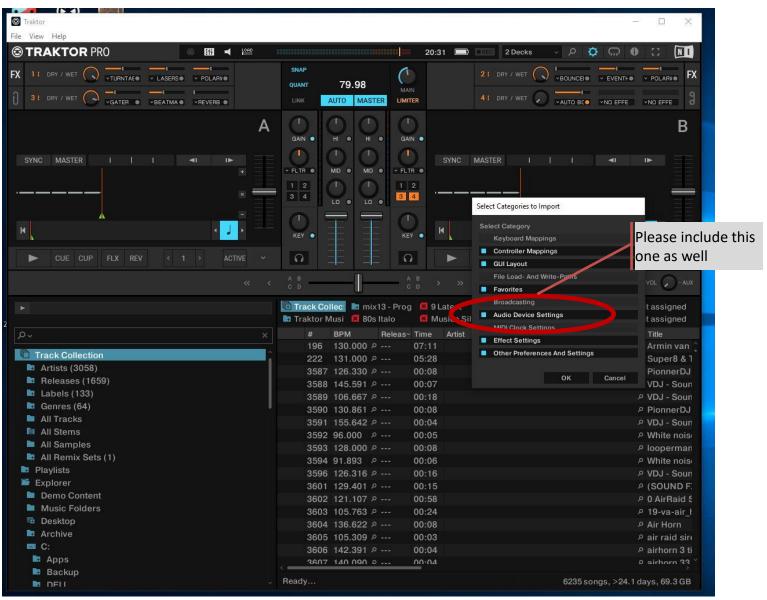


# TRAKTOR: import mapping



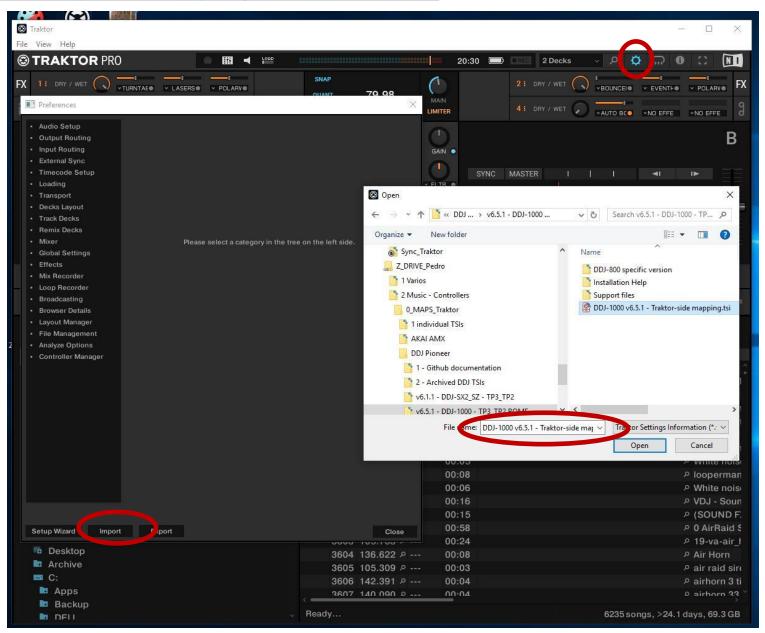
(Example for DDJ-1000; other DDJ are similar. See annexes for details)

# TRAKTOR: click audio device config



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

# TRAKTOR: import mapping (second time)



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

# Step #5

**MAP FOR TRAKTOR: VERIFICATION** 

#### TRAKTOR VERIFICATION:

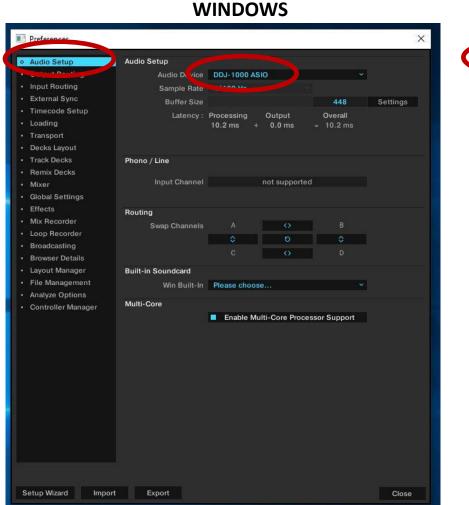
Note: the Preferences window is now quite slow to open. This is another Traktor bug.

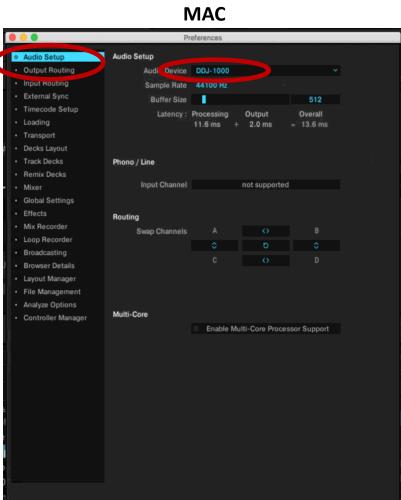
- 1. Confirm the audio device is "DDJ-1000 ASIO" / "DDJ-SZ ASIO" / etc
  - 1. Method: Settings; audio setup; confirm audio device
- 2. Confirm the Output routing
  - 1. Method: Settings; output routing; confirm "internal"; confirm "3 / 4 / 1 / 2"
  - 2. (see annexes for other DDJs case)
- 3. Confirm that all 6x pages have exactly "Bome Midi Translator1"
  - 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: Audio Setup





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

# TRAKTOR: Output Routing

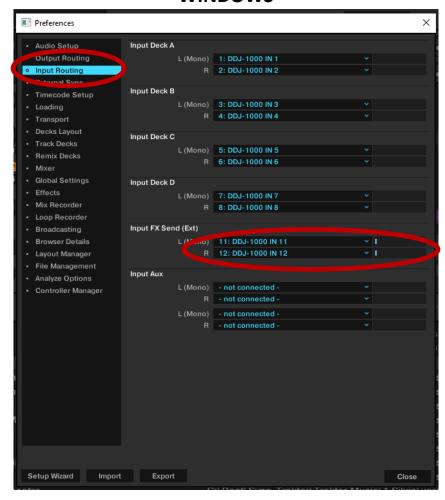
### Important: the below pictures are for DDJ-1000 (internal mode);

Some DDJs run in <u>external mode</u> instead (see annexes)

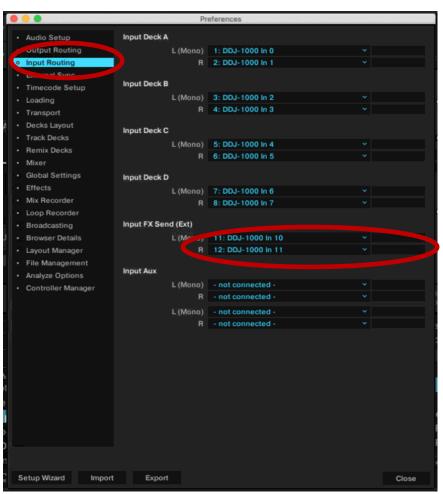


# TRAKTOR: Input Routing

#### WINDOWS



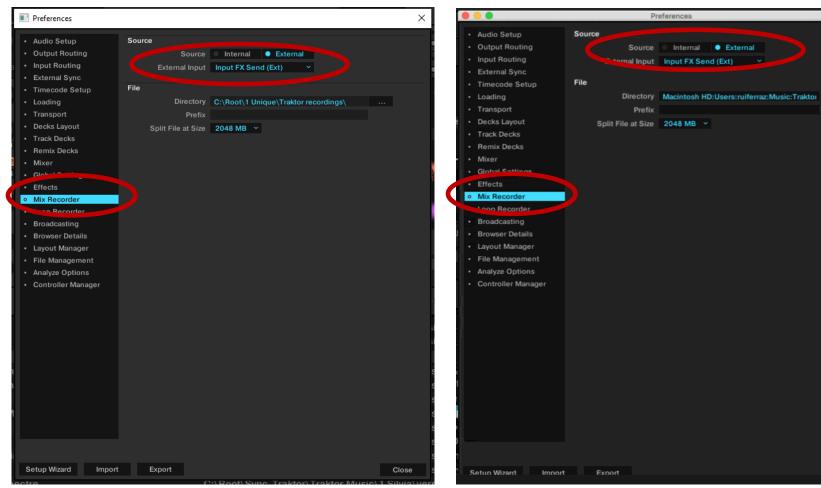
#### MAC



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

# TRAKTOR: Mix Recorder

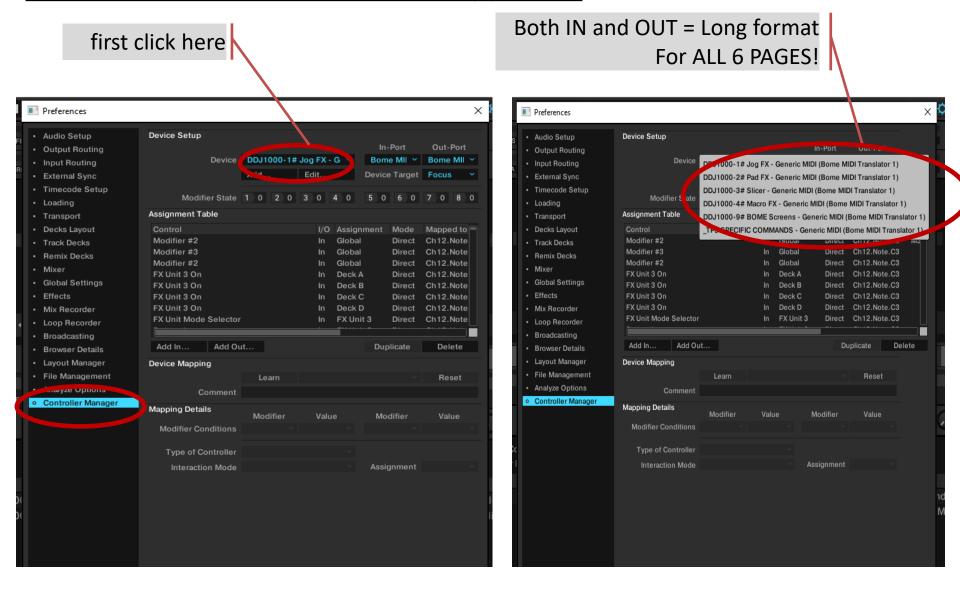
#### WINDOWS MAC



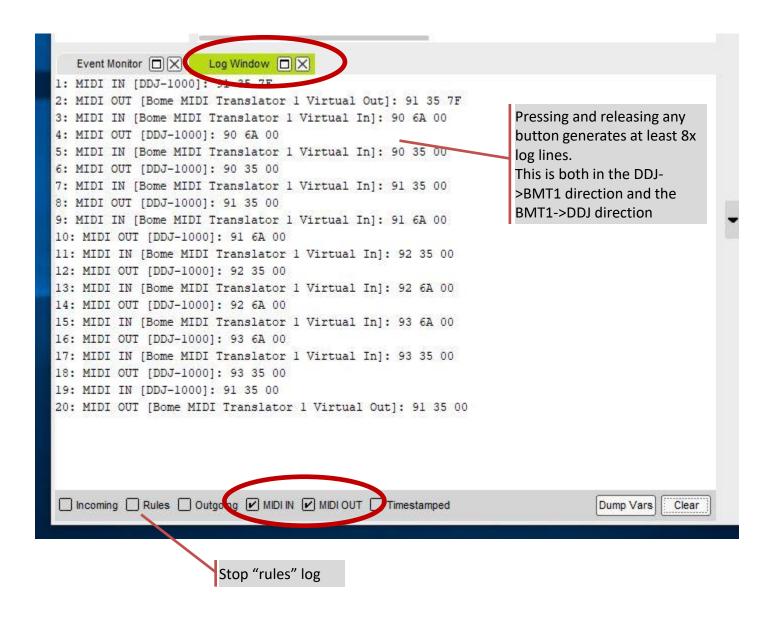
(Example for DDJ-1000; other DDJ are similar. See annexes for details)

Close

# TRAKTOR: check MIDI device is long format



## BOME: confirm bidirectional flow



# Step #6 PROPER START SEQUENCE

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

- 0) Stop everything
- 1) Start Laptop
- 2) Start BOME
- 3) Start your DDJ
- 4) Start Traktor

# 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 MIDI doesn't:

Re-confirm you have BOME in the macOS accessibly security
Re-confirm you have "Bome midi Translator 1" on all 6x pages in Traktor

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

Reset the jog Screens using shift+quantize
Start components in this order: #1 Laptop / #2 BOME / #3 DDJ / #4 Traktor

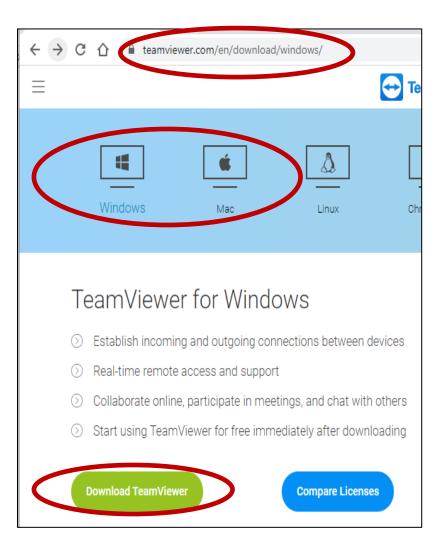
# IF ITS STILL NOT WORKING #2

For a small fee I will install this mapping remotely for you.

Interested? send an email to <a href="mailto:pedro.estrela@gmail.com">pedro.estrela@gmail.com</a>

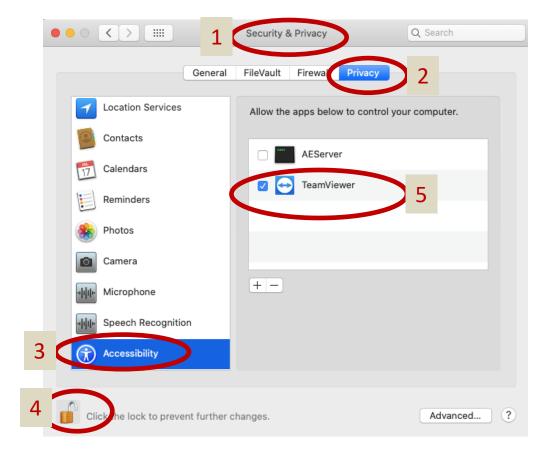
#### **TEAMVIEWER SOFTWARE INSTALLATION:**

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



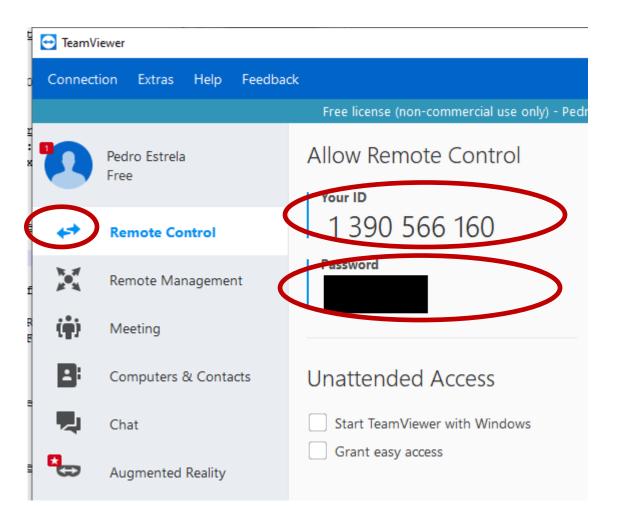
#### **MAC-OS SECURITY ENABLE:**

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



#### **TEAMVIEWER REMOTE CONTROL:**

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



# ANNEXES

### IF YOU DON'T WANT BOME

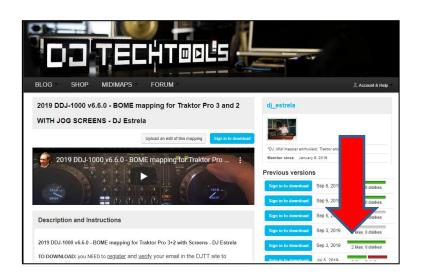
#### BOME is a requirement for all my <u>latest</u> mappings.

PRO SIDE	CON SIDE		
<ul><li>a) Jog Screens</li><li>b) Turntable FX</li><li>c) Filter SuperKnobs</li><li>d) Tempo range adjust</li><li>e) CDJ jog loops adjust</li></ul>	<ul><li>a) License inal 60 euros cost</li><li>b) Harder installation</li></ul>		

For the complete list of improvements see "Changelog.txt".

If you still don't want BOME: just install an old version instead.

Controller	With BOME	Without BOME
DDJ-1000/800	V6.6.0	v6.3.3
DDJ-SX2	v6.7.0	V6.1.7
DDJ-SZ	v6.7.0	V6.1.7
DDJ-1000SRT	v6.7.0 (note1)	V6.1.2
XDJ-XZ	V6.1.4	v6.1.4 (note2)
XDJ-XZ	V6.1.4	v6.1.4 (note2)



### **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.

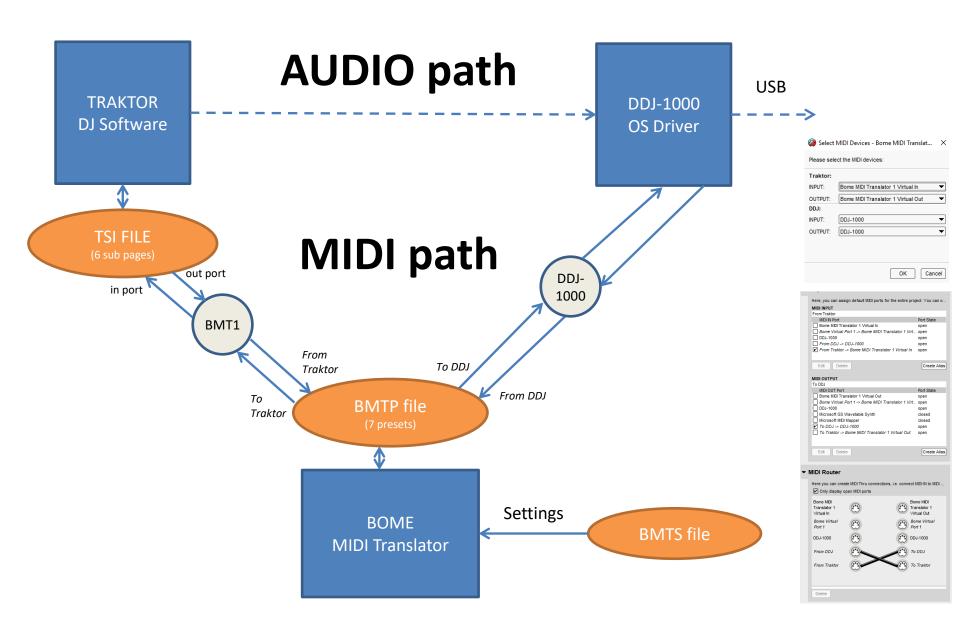
Author	DDJ-1000	1000SRT	DDJ-SZ1	DDJ-SX2	Date	Dependency	Comment
DJ Estrela V6.8	V6.8				Apr-20	BOME	SuperKnobs
		merged map V6.7		Mar-20	BOME	All maps merged to BOME	
	v6.6				Oct-19	BOME	CDJ-like features
	v6.5				Sep-19	BOME	First implementation of jog screens
	V6.3				Jun-19	Traktor 3/2	Last version 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

#### DDJ-1000: forced MIDI mode

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

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

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

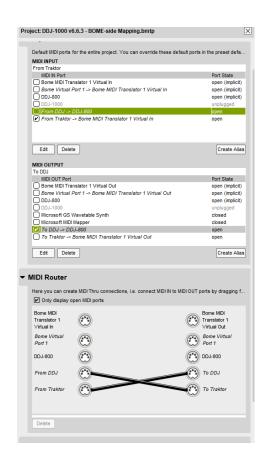


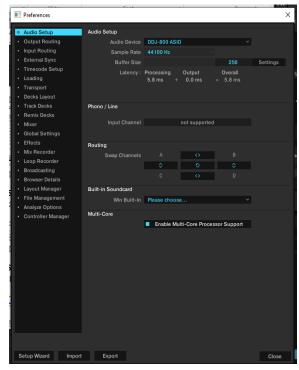
## **ANNEX: DDJ-800**

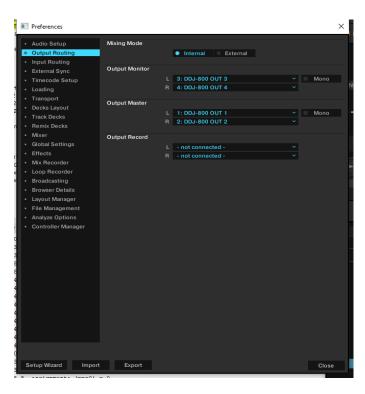
#### DDJ-800 specific notes:

- 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/





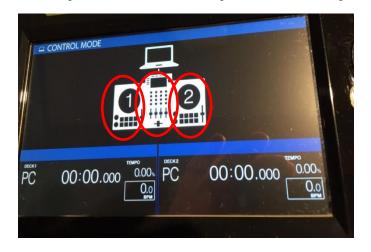


# ANNEX: XDJ-XZ (1/3)

#### **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:

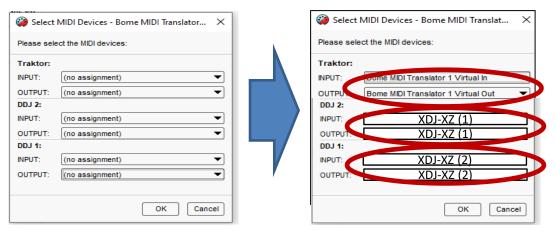
https://www.youtube.com/watch?v=7EPfY9bGGlw&list=PLIIvTGzSxI0UV1oJfRDL4fYY9oRyLkBik&index=1

#### **BOME** installation video:

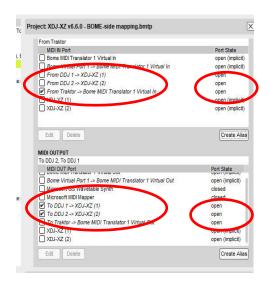
https://youtu.be/MbGP\_ECnWiQ

# ANNEX: XDJ-XZ (2/3)

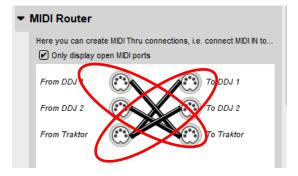
#### **BOME** aliases:



#### Proper BOME config:



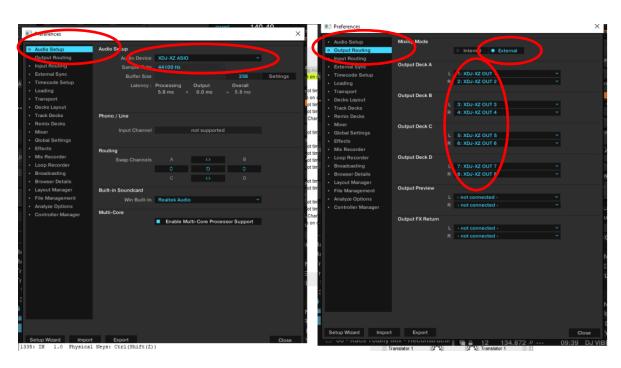
#### Proper BOME config:

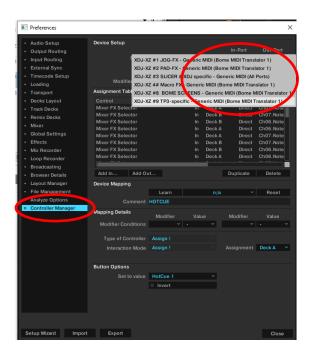


#### Proper BOME log:

# ANNEX: XDJ-XZ (3/3)

#### **Traktor config:**





# **ANNEX: DDJ-1000SRT (1)**

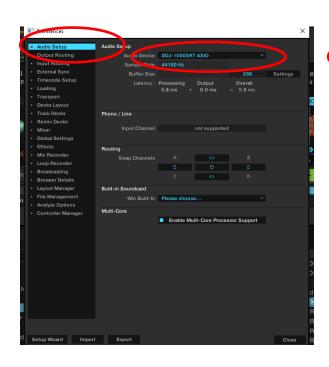
DDJ-1000SRT specific instructions for the Traktor mapping (for v6.1.X - not yet updated to V6.7.0 BOME)

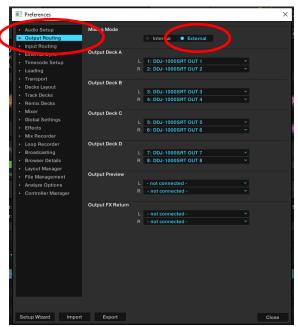
Please use the specific TSI for the DDJ-1000SRT. This is the same mapping as the DDJ-SZ mapping, but with small customizations to make it work well on the SRT:

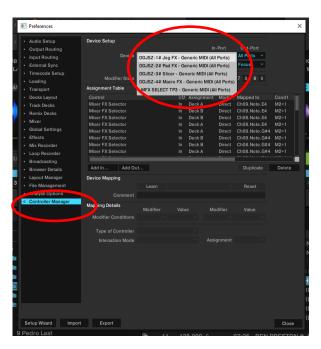
- Jog screens are NOT supported. This is because they are not documented on the Pioneer MIDI map file. Please request this in <a href="https://serato.com/forum/discussion/1736390">https://serato.com/forum/discussion/1736390</a>
- Please put your jog weight to "heavy"
  - This will significantly improve 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)

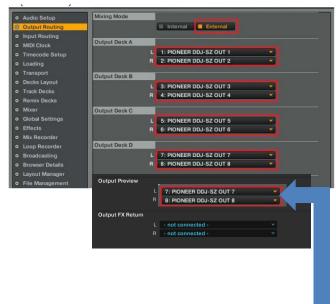






# **ANNEX: DDJ-SZ**



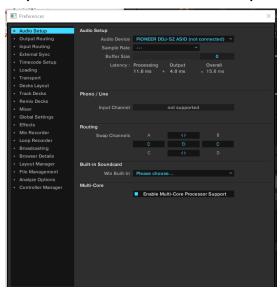




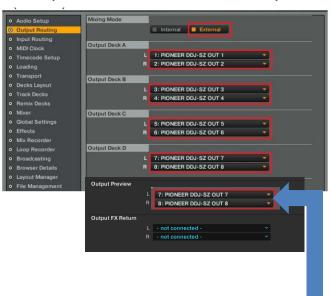
SET PREVIEW TO SAME VALUES AS DECK 4!

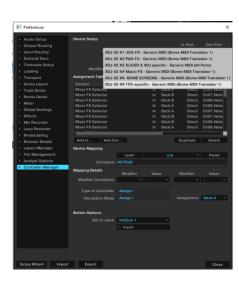
## **ANNEX: DDJ-SX3**

(Select SX3 device here)



(Select SX3 device here)

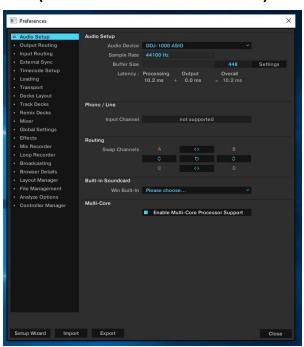




SET PREVIEW TO SAME VALUES AS DECK 4!

# **ANNEX: DDJ-SX2**

(Select SX2 device here)



(Put SX2 channels here)



