BOME+Traktor mapping installation guide for <u>all</u> DDJ controllers

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

NOTE A: This cover **all** Pioneer DDJ controllers. Only difference is Aliases (page 10) and Output (page 29). See the annexes for other DDJs instructions (page 43)

NOTE B: You need to install the "BOME" software (page 3). Use the **free trial** to test it well **before** buying its 60 eur license. There is also instructions to run without BOME (page 40).

NOTE C: there are **two** mappings to install: One for BOME (page 6); and one for Traktor (page 20). Do **not** configure "DDJ" in the Traktor mapping!!

NOTE D: Issues? Reconfirm all steps of this guide and the video. See also the FAQ. See also the "gotchas" (page 35). I also offer a remote help service (page 36)

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



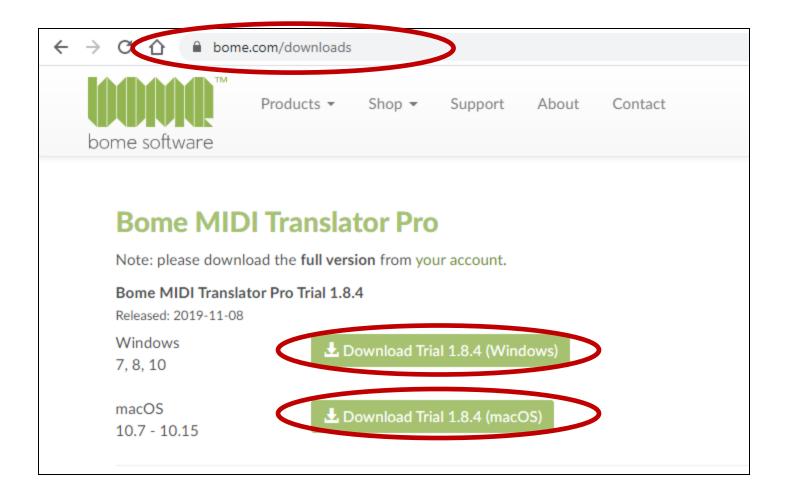


Step #1

BOME TRIAL: INSTALLATION

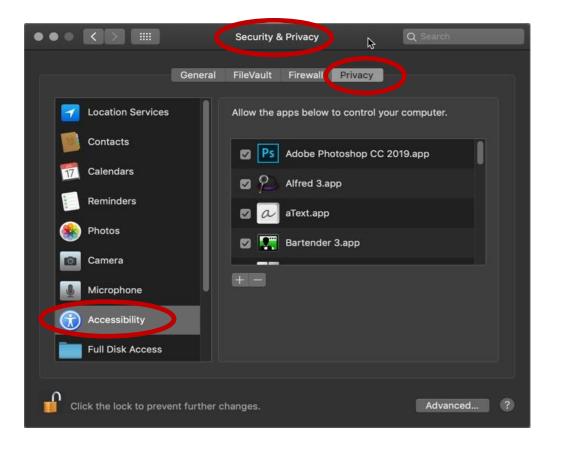
BOME SOFTWARE INSTALLATION:

1. Download and install the BOME trial from https://www.bome.com/products/miditranslator#downloads



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:

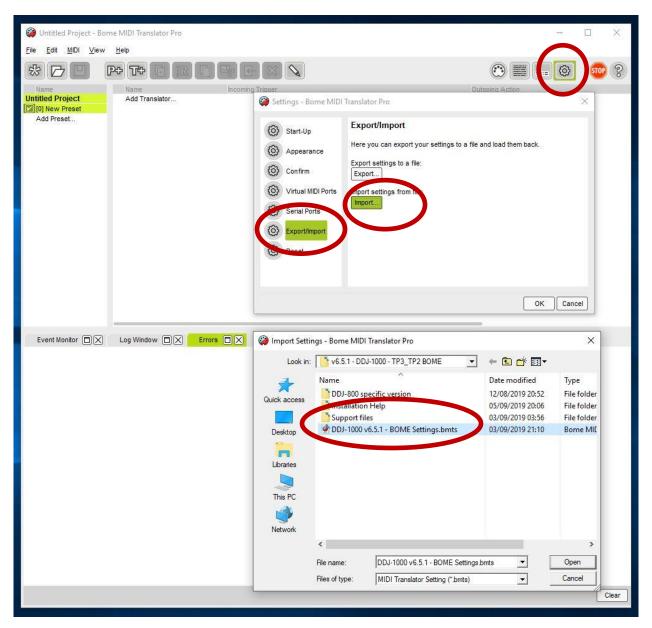
- 1. Stop Rekordbox
- 2. Stop Traktor
- 3. Expand all files in the zip file
- 4. Connect the USB cable
- 5. Turn on your DDJ

INSTALLING BOME MAPPING:

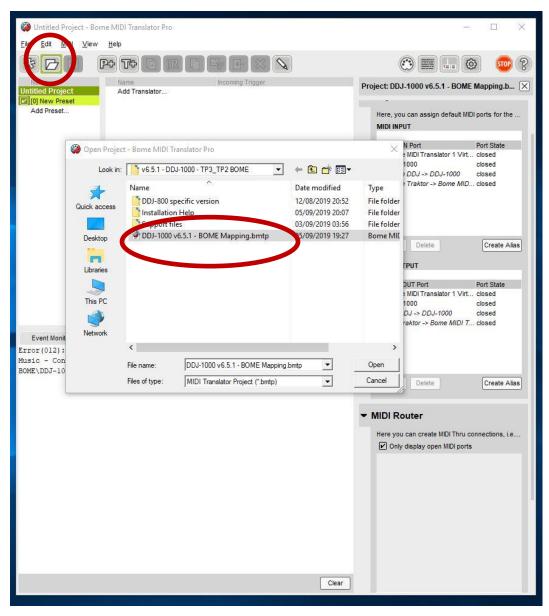
- 1. Open BOME. DO NOT RUN TRAKTOR!
- 2. <u>Settings</u>: Import the <u>settings</u> file
 - 1. Method: menu View; settings; export/import; import; select BMTS file
- 3. Mapping: load the mapping file
 - 1. Method: Click menu File; Open; select BMTP file
- 4. Do not mix up the Settings file with the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



BOME: import settings file (BMTS file)

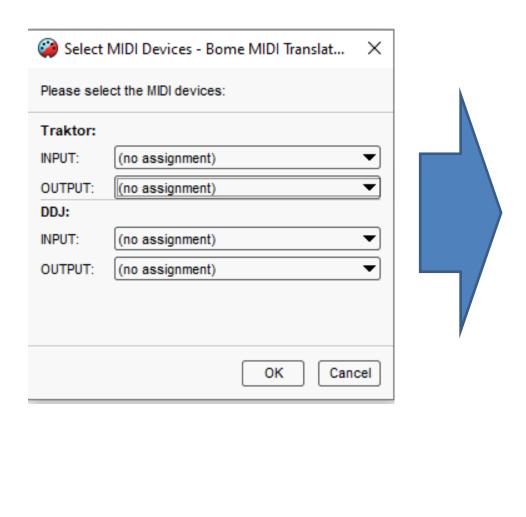


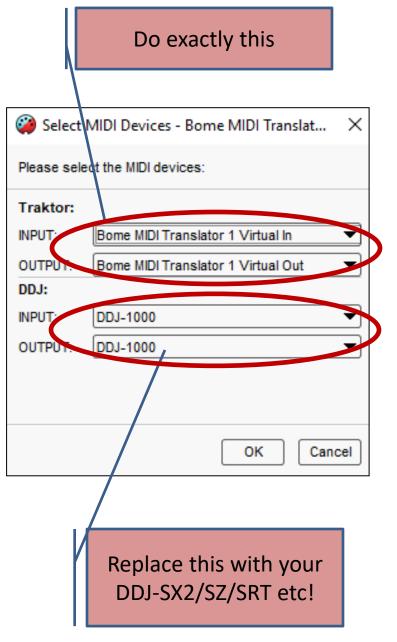
BOME: import mapping file (BMTP file)



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

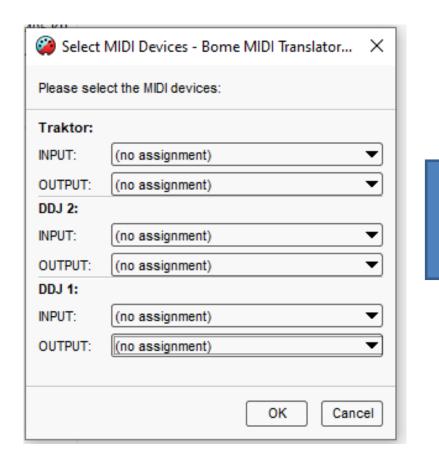
BOME: Aliases

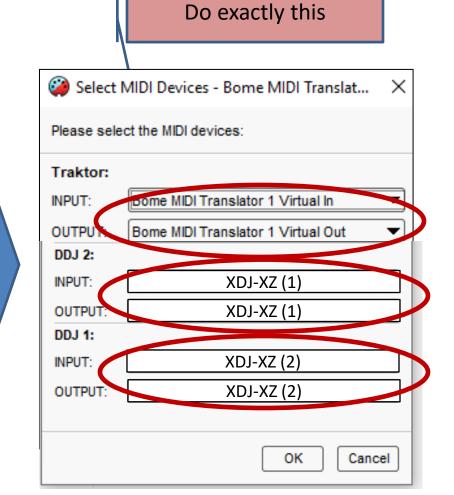




(note: see XDJ-XZ specific case in next page)

BOME: Aliases (XDJ-XZ case)





BOME: Devices

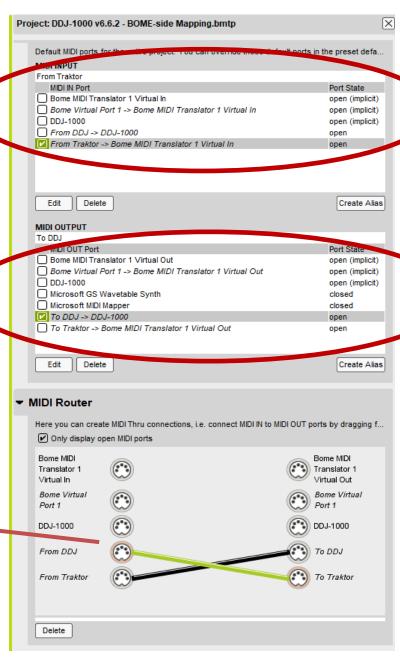
Confirm the devices are OPEN!

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)

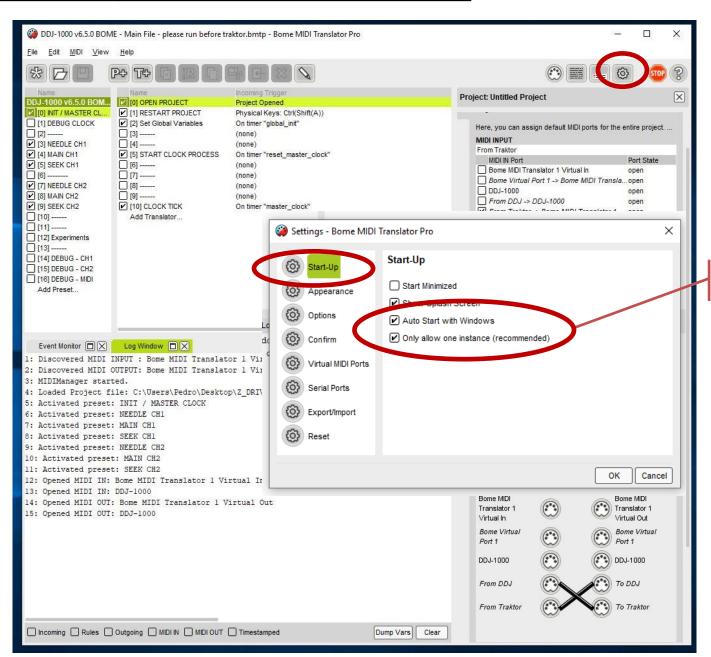
Step#3

MAP FOR BOM: VERIFICATION

BOME VERIFICATION STEPS:

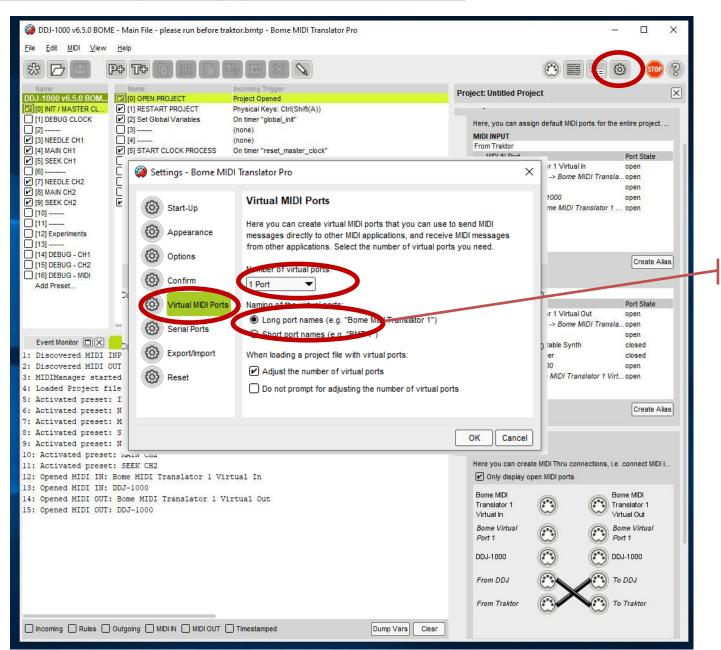
- 1. Confirm the "Bome MIDI Translator 1" device is created (longformat)
 - 1. Method: menu View; settings; virtual midi ports; 1 port; long port names
- 2. Confirm the 4x midi ports were opened correctly
 - 1. Method: Click log window; check log
- Confirm that the Controller talks to BOME
 - 1. Method: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



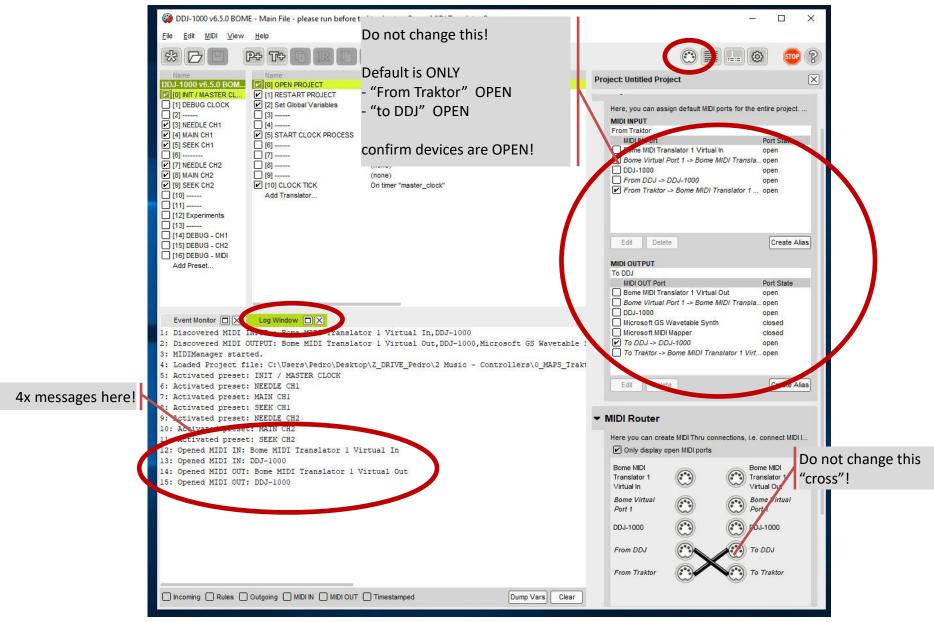
Auto start with Windows!

BOME settings: long port name device

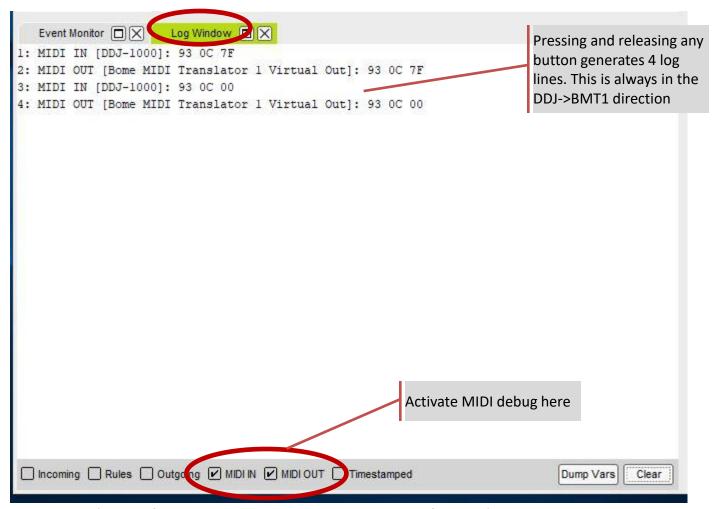


Long port names!

BOME: Correct startup log

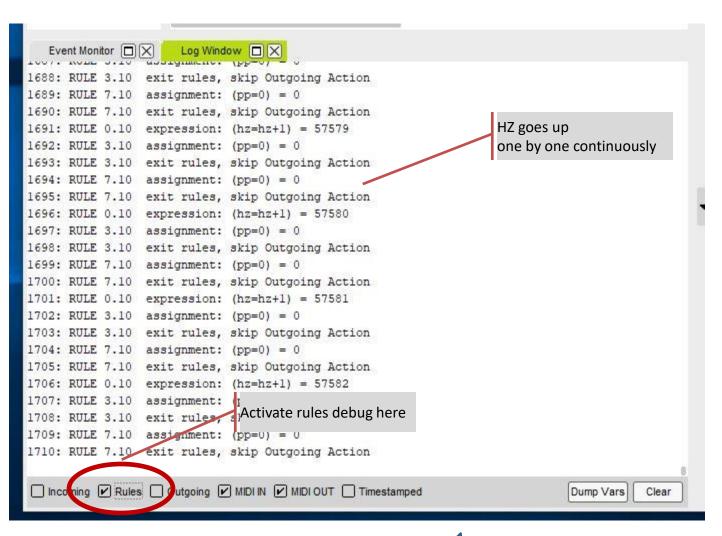


BOME: confirm DDJ talks to BOME



(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

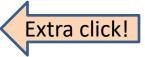
MAP FOR TRAKTOR: INSTALLATION

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"



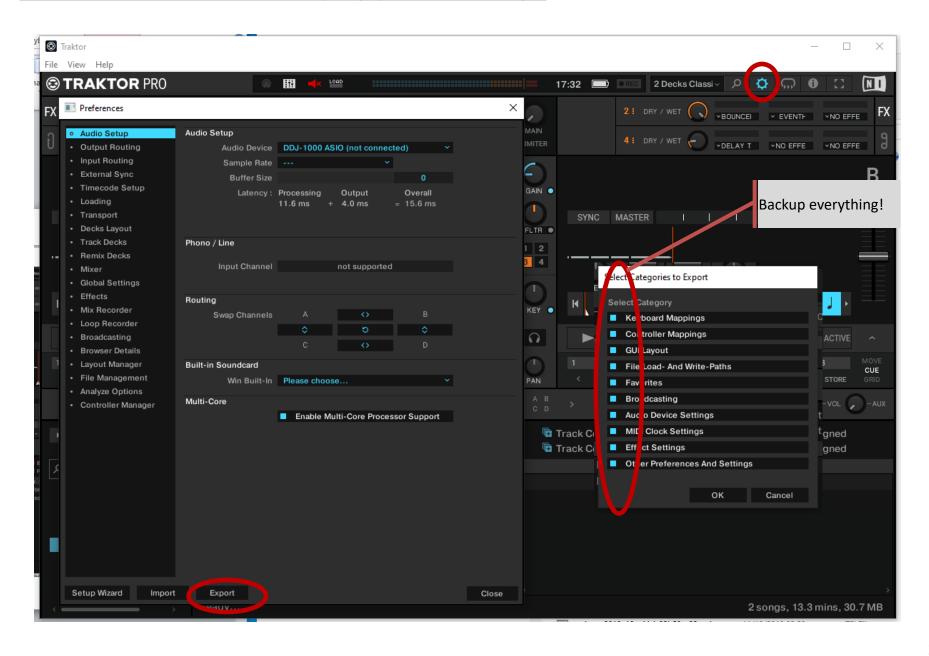
INSTALL TRAKTOR MAPPING (second time):

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

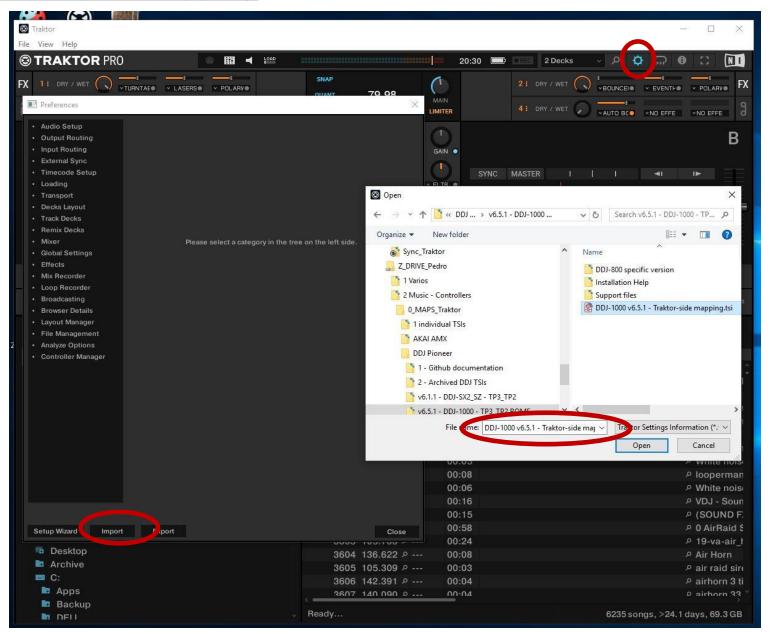
MAC-OS AUDIO OUTPUT ROUTING:

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

TRAKTOR: create backup of your settings

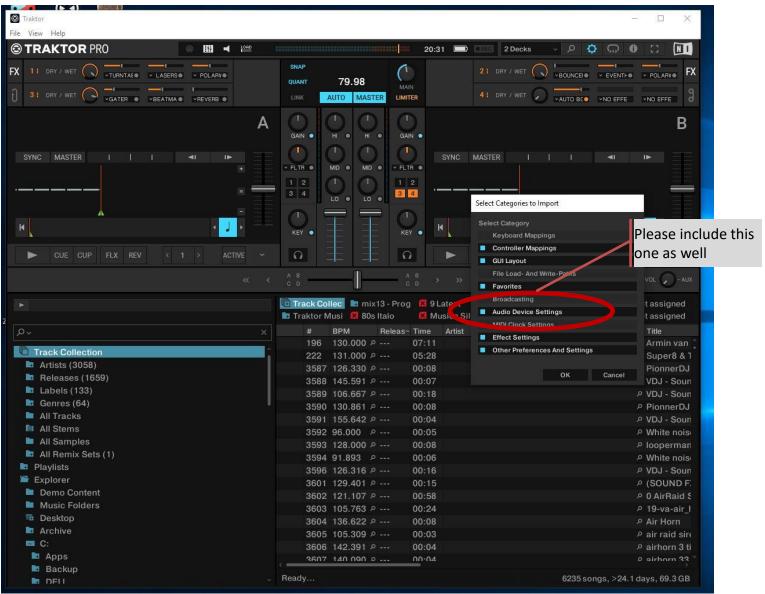


TRAKTOR: import mapping



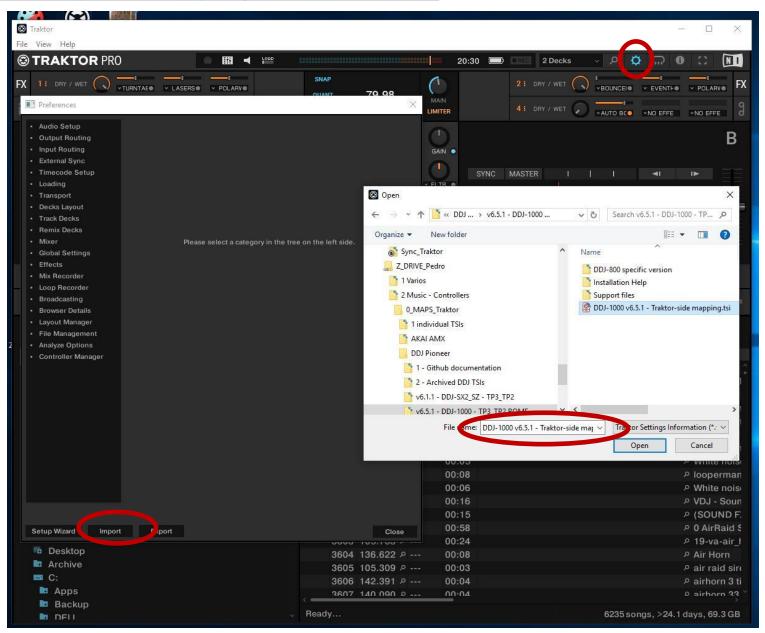
(Example for DDJ-1000; other DDJ are similar. See annexes for details)

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:

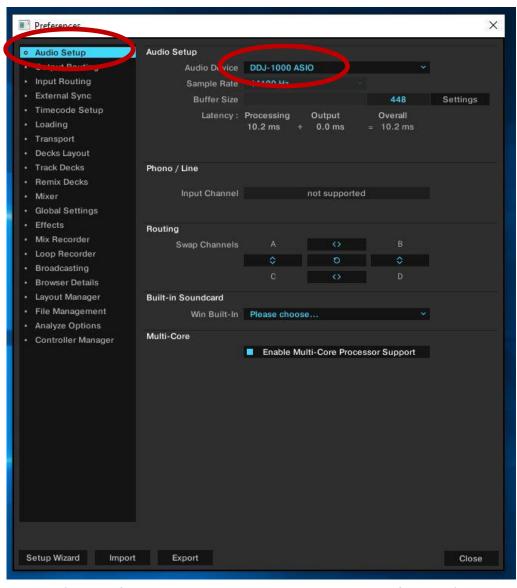
Note: the Preferences window is now quite slow to open. This is another Traktor bug.

- 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

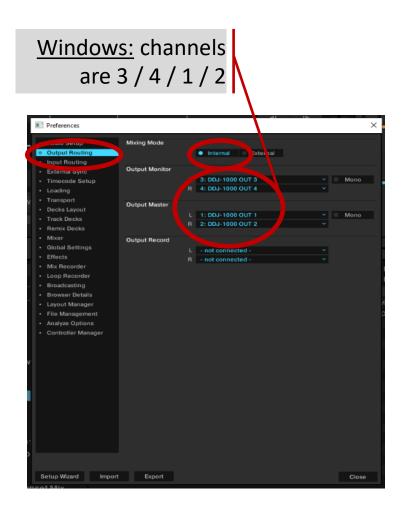
TRAKTOR: check audio device

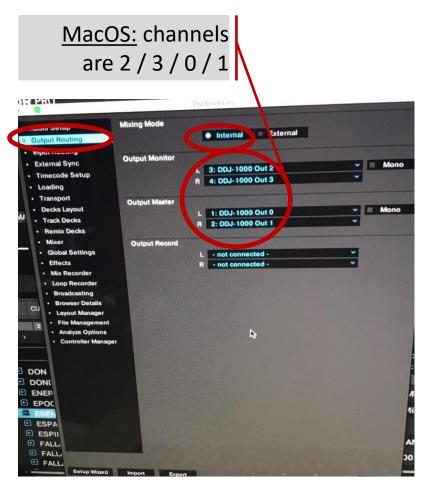


(Example for DDJ-1000; other DDJ are similar. See annexes for details)

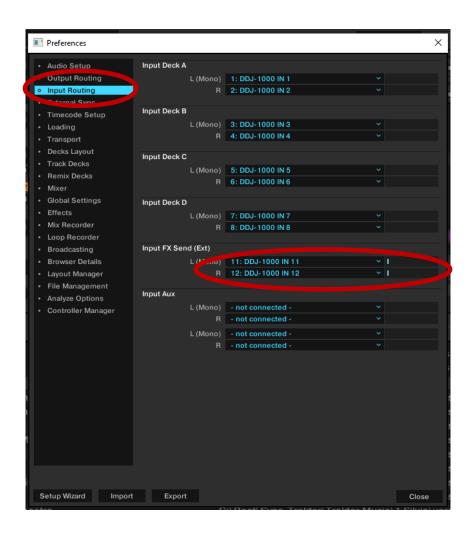
TRAKTOR: check output routing

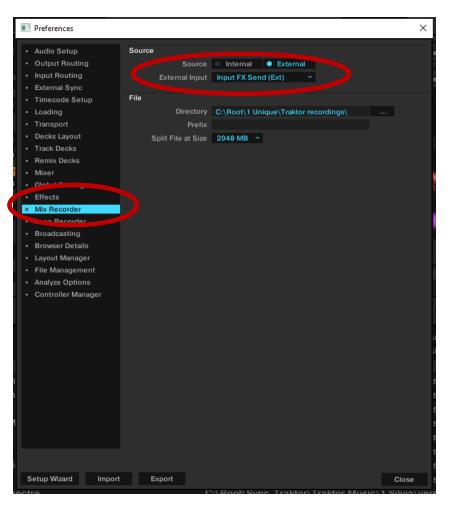
Important: the below pictures is for DDJ-1000; the other DDJ are <u>different</u> if they are <u>internal or external mode</u> See annexes for specific pictures for your DDJ!



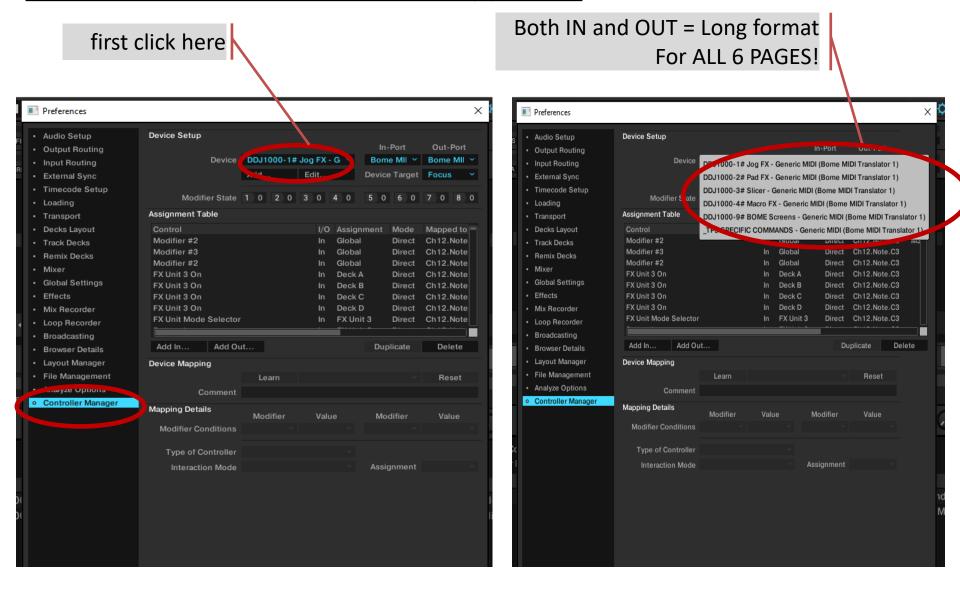


TRAKTOR: recording settings

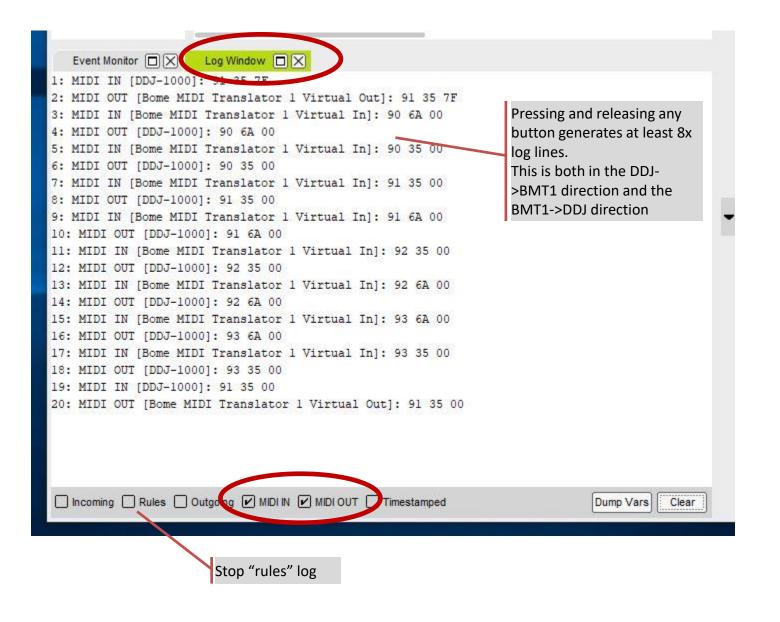




TRAKTOR: check MIDI device is long format



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

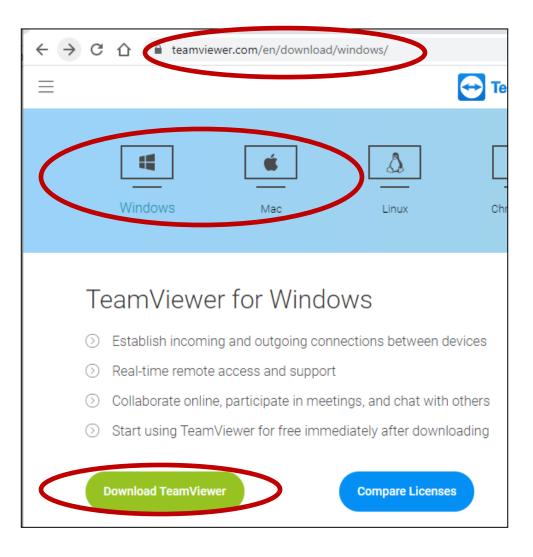
IF ITS STILL NOT WORKING #2

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

Interested? send an email to pedro.estrela@gmail.com

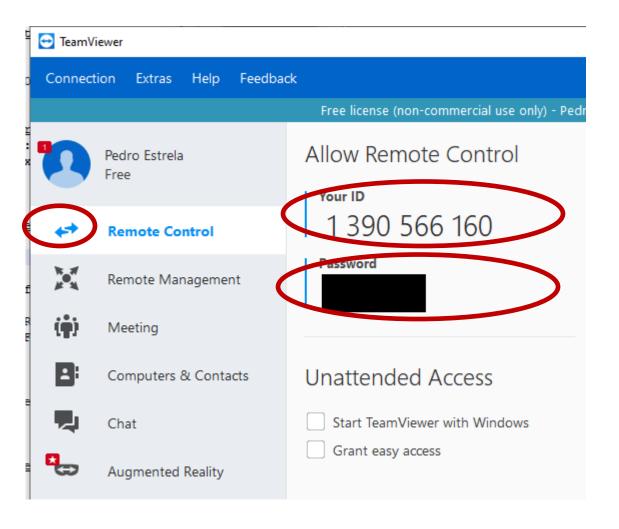
TEAMVIEWER SOFTWARE INSTALLATION:

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



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		
a) Jog Screensb) Turntable FXc) Filter SuperKnobsd) Tempo range adjuste) CDJ jog loops adjust	a) License inal 60 euros costb) Harder installation		

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)

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.

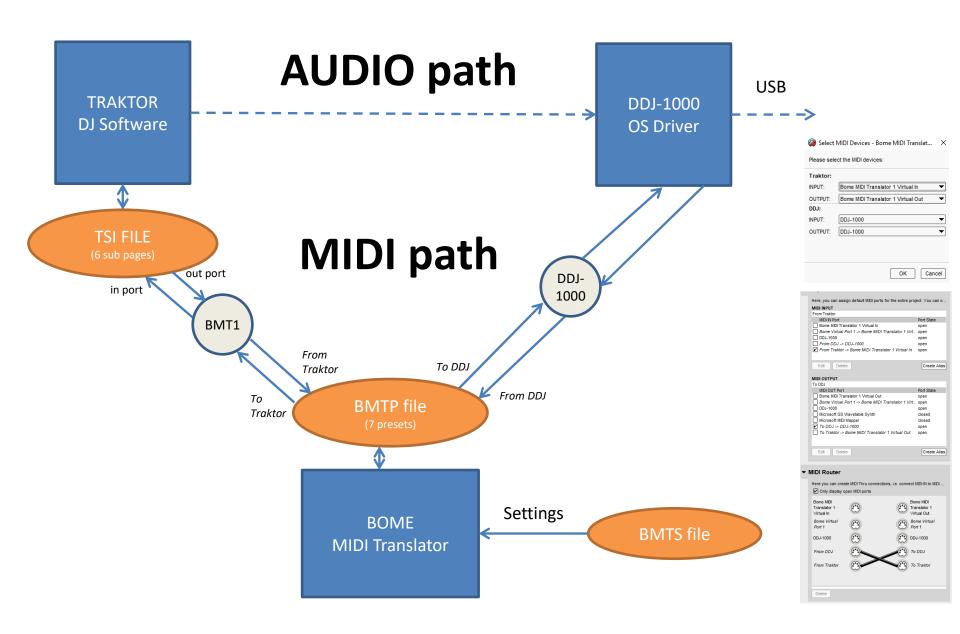
Author	DDJ-1000	1000SRT	DDJ-SZ1	DDJ-SX2	Date	Dependency	Comment
DJ Estrela	V6.8				Apr-20	BOME	SuperKnobs
		merged map V6.7			Mar-20 BOME	All maps merged to BOME	
	v6.6				Oct-19	BOME	CDJ-like features
	v6.5				Sep-19	BOME	First implementation of jog screens
	V6.3				Jun-19	Traktor 3/2	Last version without 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.

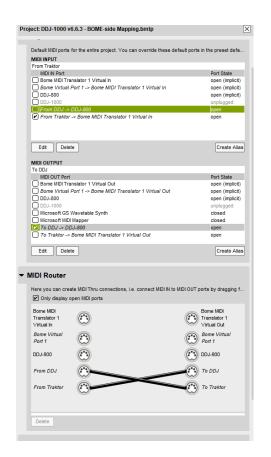


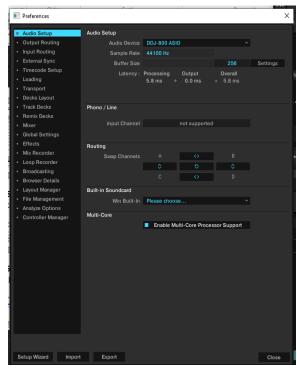
ANNEX: DDJ-800

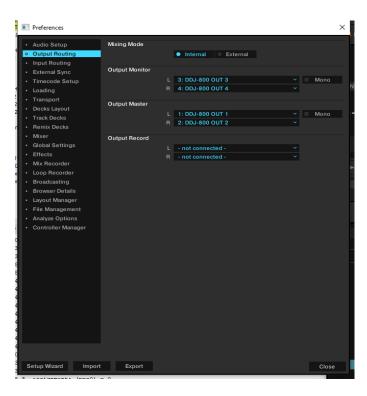
DDJ-800 specific notes:

- 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/

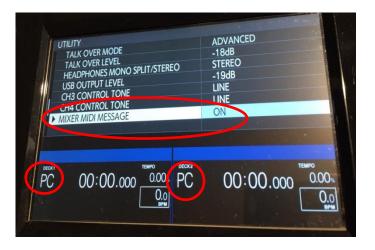




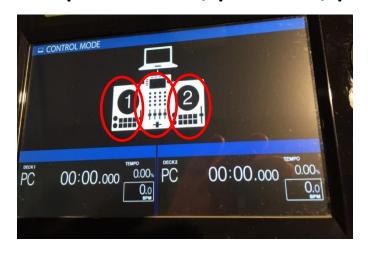


ANNEX: XDJ-XZ (1/3)

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:

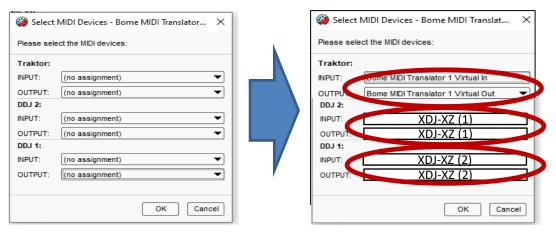
https://www.youtube.com/watch?v=7EPfY9bGGlw&list=PLIIvTGzSxI0UV1oJfRDL4fYY9oRyLkBik&index=1

BOME installation video:

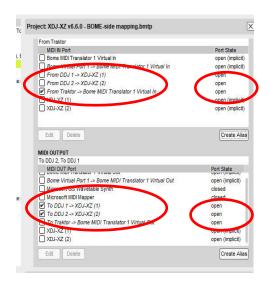
https://youtu.be/MbGP_ECnWiQ

ANNEX: XDJ-XZ (2/3)

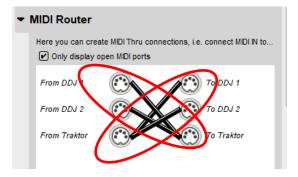
BOME aliases:



Proper BOME config:



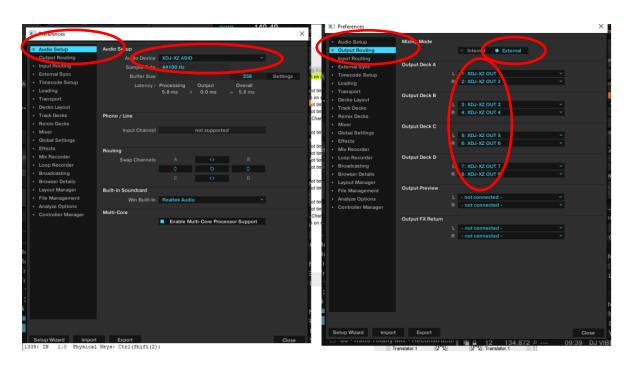
Proper BOME config:

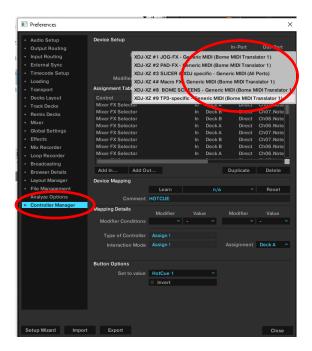


Proper BOME log:

ANNEX: XDJ-XZ (3/3)

Traktor config:





ANNEX: DDJ-1000SRT (1)

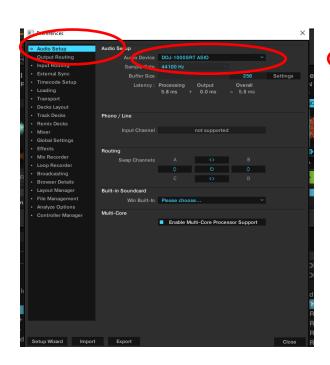
DDJ-1000SRT specific instructions for the Traktor mapping (for v6.1.X - not yet updated to V6.7.0 BOME)

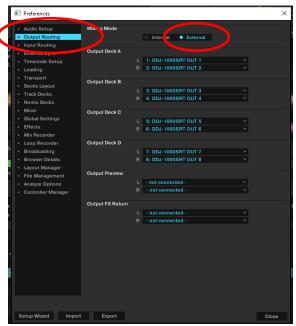
Please use the specific TSI for the DDJ-1000SRT. This is the same mapping as the DDJ-SZ mapping, but with small customizations to make it work well on the SRT:

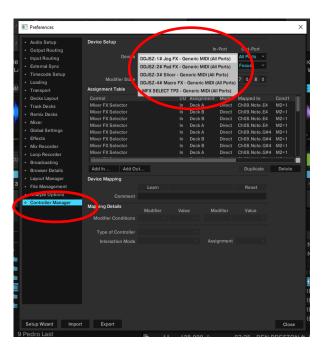
- Jog screens are NOT supported. This is because they are not documented on the Pioneer MIDI map file. Please request this in https://serato.com/forum/discussion/1736390
- Please put your jog weight to "heavy"
 - This will significantly improve scratching and jogFX
- Audio device in external mode.
 - 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)

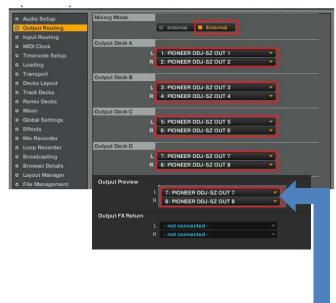


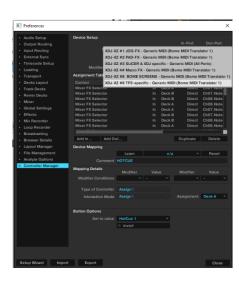




ANNEX: DDJ-SZ



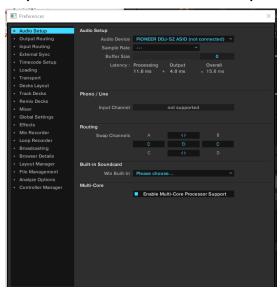




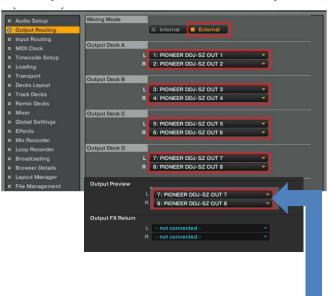
SET PREVIEW TO SAME VALUES AS DECK 4!

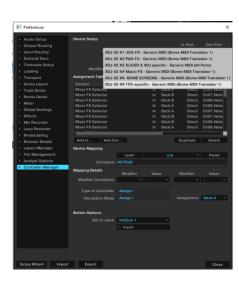
ANNEX: DDJ-SX3

(Select SX3 device here)



(Select SX3 device here)

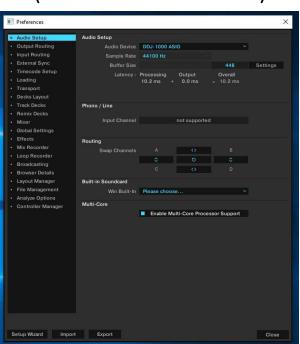




SET PREVIEW TO SAME VALUES AS DECK 4!

ANNEX: DDJ-SX2

(Select SX2 device here)



(Put SX2 channels here)

