

# 1) BOME - Correct startup log

The screenshot displays the DDJ-1000 v6.5.0 BOME software interface. The main window is titled "DDJ-1000 v6.5.0 BOME - Main File - please run before traktor.bmtmp - Bome MIDI Translator Pro". The interface includes a menu bar (File, Edit, MIDI, View, Help), a toolbar, and a central area with two columns of preset lists. The left column lists various MIDI channels and debug options, while the right column lists project management and clock settings. A "Log Window" is open at the bottom, showing a series of messages. A red circle highlights the "Log Window" button in the toolbar. Another red circle highlights the "Log Window" button in the bottom toolbar. A third red circle highlights the "Log Window" button in the bottom toolbar. A fourth red circle highlights the "Log Window" button in the bottom toolbar. A fifth red circle highlights the "Log Window" button in the bottom toolbar. A sixth red circle highlights the "Log Window" button in the bottom toolbar. A seventh red circle highlights the "Log Window" button in the bottom toolbar. An eighth red circle highlights the "Log Window" button in the bottom toolbar. A ninth red circle highlights the "Log Window" button in the bottom toolbar. A tenth red circle highlights the "Log Window" button in the bottom toolbar. A red arrow points to the first four messages in the log window, with the text "4x messages here!". The log window shows the following messages:

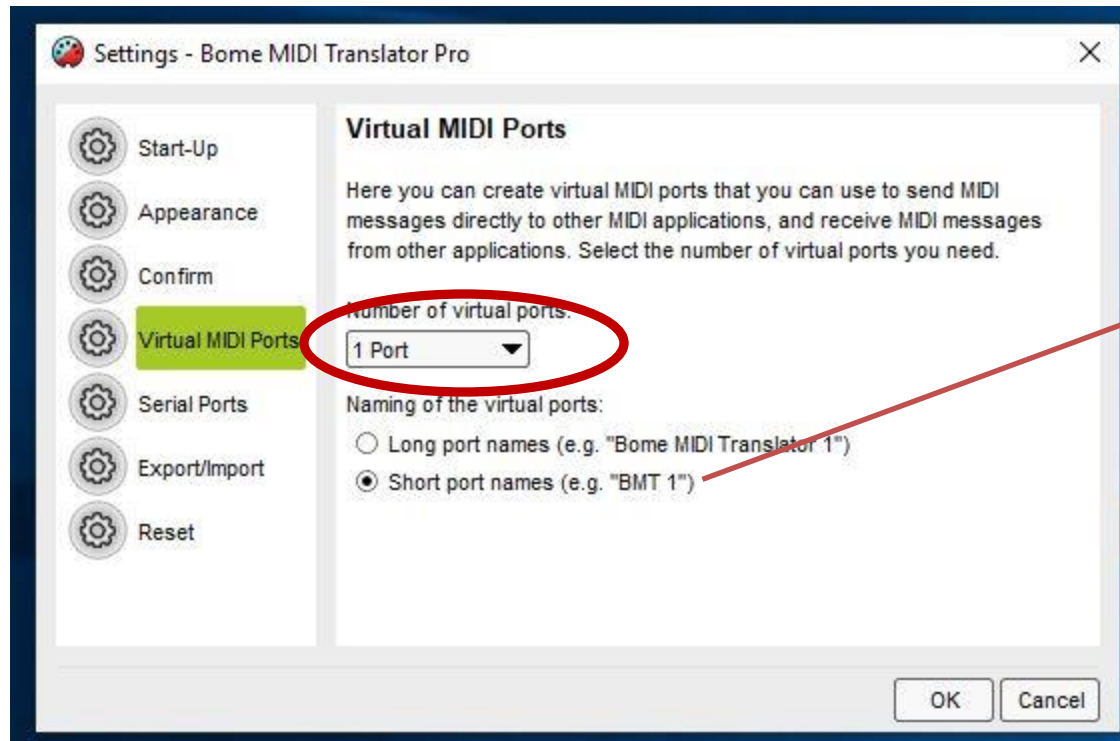
- 1: Discovered MIDI IN: Bome MIDI Translator 1 Virtual In, DDJ-1000
- 2: Discovered MIDI OUTPUT: Bome MIDI Translator 1 Virtual Out, DDJ-1000, Microsoft GS Wavetable
- 3: MIDIManager started.
- 4: Loaded Project file: C:\Users\Pedro\Desktop\Z\_DRIVE\_Pedro\2 Music - Controllers\0\_MAPS\_Trak
- 5: Activated preset: INIT / MASTER CLOCK
- 6: Activated preset: NEEDLE CH1
- 7: Activated preset: MAIN CH1
- 8: Activated preset: SEEK CH1
- 9: Activated preset: NEEDLE CH2
- 10: Activated preset: MAIN CH2
- 11: Activated preset: SEEK CH2
- 12: Opened MIDI IN: Bome MIDI Translator 1 Virtual In
- 13: Opened MIDI IN: DDJ-1000
- 14: Opened MIDI OUT: Bome MIDI Translator 1 Virtual Out
- 15: Opened MIDI OUT: DDJ-1000

The right sidebar contains the "Project: Untitled Project" settings. It includes a "MIDI INPUT" section with a table of MIDI ports and their states. The "MIDI OUTPUT" section also has a table of MIDI ports and their states. The "MIDI Router" section at the bottom shows a diagram of MIDI connections between various ports.

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

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

## 2) BOME - configuration virtual device



Short port names!

### 3) BOME - debug DDJ to Traktor flow

The screenshot shows the BOME Event Monitor and Log Window. The Log Window displays four log lines:

- 1: MIDI IN [DDJ-1000]: 93 0C 7F
- 2: MIDI OUT [Bome MIDI Translator 1 Virtual Out]: 93 0C 7F
- 3: MIDI IN [DDJ-1000]: 93 0C 00
- 4: MIDI OUT [Bome MIDI Translator 1 Virtual Out]: 93 0C 00

A red line points from the text box to the second and fourth log lines. The text box states: "Pressing and releasing any button generates 4 log lines. This is always in the DDJ->BMT1 direction".

At the bottom of the window, the following checkboxes are visible:

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

The "MIDI IN" and "MIDI OUT" checkboxes are circled in red. To the right of these checkboxes are two buttons: "Dump Vars" and "Clear".

## 4) BOME - debugging bome clock

The screenshot shows the BOME Event Monitor and Log Window. The Log Window displays a series of log entries from 1687 to 1710. The entries show rule execution with timestamps and actions. A red circle highlights the 'Rules' checkbox in the bottom left, and a red arrow points from a text box to the log entries.

Event Monitor ☐ Log Window ☐

1687: RULE 3.10 assignment: (pp=0) = 0  
1688: RULE 3.10 exit rules, skip Outgoing Action  
1689: RULE 7.10 assignment: (pp=0) = 0  
1690: RULE 7.10 exit rules, skip Outgoing Action  
1691: RULE 0.10 expression: (hz=hz+1) = 57579  
1692: RULE 3.10 assignment: (pp=0) = 0  
1693: RULE 3.10 exit rules, skip Outgoing Action  
1694: RULE 7.10 assignment: (pp=0) = 0  
1695: RULE 7.10 exit rules, skip Outgoing Action  
1696: RULE 0.10 expression: (hz=hz+1) = 57580  
1697: RULE 3.10 assignment: (pp=0) = 0  
1698: RULE 3.10 exit rules, skip Outgoing Action  
1699: RULE 7.10 assignment: (pp=0) = 0  
1700: RULE 7.10 exit rules, skip Outgoing Action  
1701: RULE 0.10 expression: (hz=hz+1) = 57581  
1702: RULE 3.10 assignment: (pp=0) = 0  
1703: RULE 3.10 exit rules, skip Outgoing Action  
1704: RULE 7.10 assignment: (pp=0) = 0  
1705: RULE 7.10 exit rules, skip Outgoing Action  
1706: RULE 0.10 expression: (hz=hz+1) = 57582  
1707: RULE 3.10 assignment: (pp=0) = 0  
1708: RULE 3.10 exit rules, skip Outgoing Action  
1709: RULE 7.10 assignment: (pp=0) = 0  
1710: RULE 7.10 exit rules, skip Outgoing Action

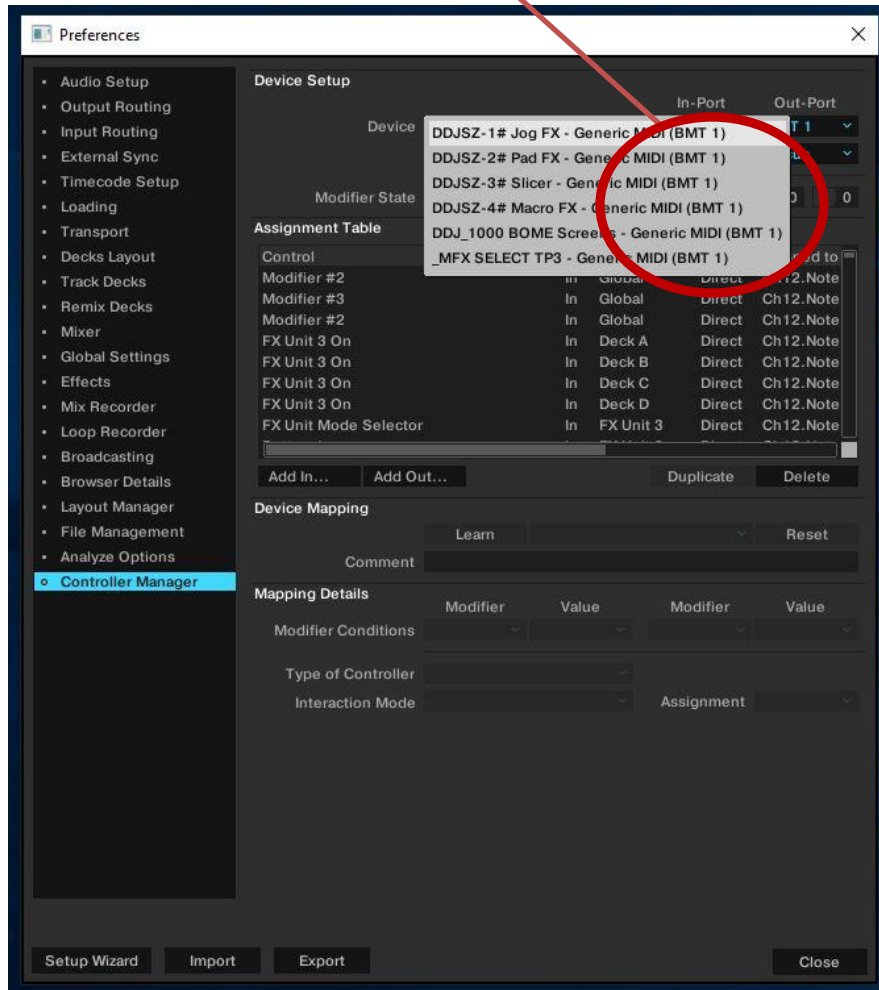
HZ goes up  
one by one continuously

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

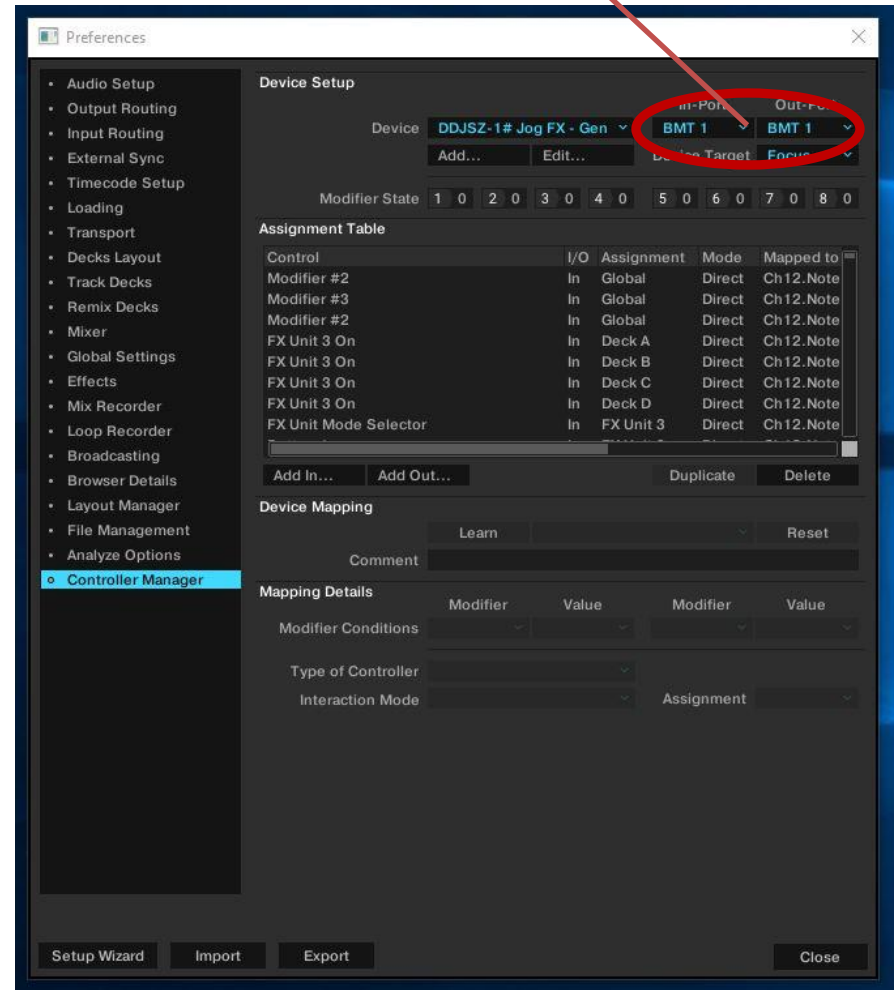
Dump Vars Clear

## 5) TRAKTOR – Controller manager devices

All pages with “BMT1”

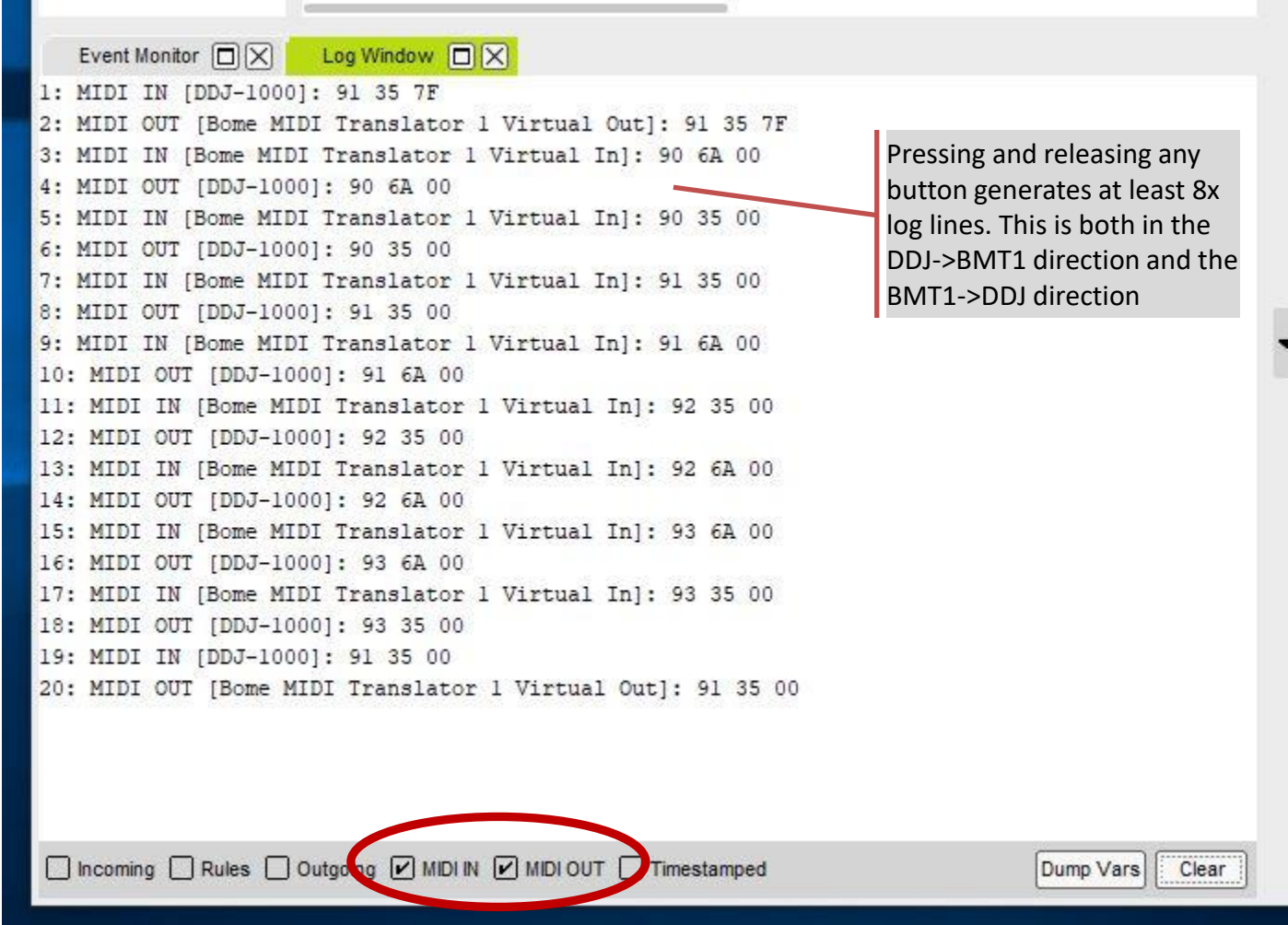


Both IN and OUT = “BMT1”





## 6) BOME - debugging bidirectional flow



Event Monitor ☐ ☒ Log Window ☐ ☒

```
1: MIDI IN [DDJ-1000]: 91 35 7F
2: MIDI OUT [Bome MIDI Translator 1 Virtual Out]: 91 35 7F
3: MIDI IN [Bome MIDI Translator 1 Virtual In]: 90 6A 00
4: MIDI OUT [DDJ-1000]: 90 6A 00
5: MIDI IN [Bome MIDI Translator 1 Virtual In]: 90 35 00
6: MIDI OUT [DDJ-1000]: 90 35 00
7: MIDI IN [Bome MIDI Translator 1 Virtual In]: 91 35 00
8: MIDI OUT [DDJ-1000]: 91 35 00
9: MIDI IN [Bome MIDI Translator 1 Virtual In]: 91 6A 00
10: MIDI OUT [DDJ-1000]: 91 6A 00
11: MIDI IN [Bome MIDI Translator 1 Virtual In]: 92 35 00
12: MIDI OUT [DDJ-1000]: 92 35 00
13: MIDI IN [Bome MIDI Translator 1 Virtual In]: 92 6A 00
14: MIDI OUT [DDJ-1000]: 92 6A 00
15: MIDI IN [Bome MIDI Translator 1 Virtual In]: 93 6A 00
16: MIDI OUT [DDJ-1000]: 93 6A 00
17: MIDI IN [Bome MIDI Translator 1 Virtual In]: 93 35 00
18: MIDI OUT [DDJ-1000]: 93 35 00
19: MIDI IN [DDJ-1000]: 91 35 00
20: MIDI OUT [Bome MIDI Translator 1 Virtual Out]: 91 35 00
```

Pressing and releasing any button generates at least 8x log lines. This is both in the DDJ->BMT1 direction and the BMT1->DDJ direction

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

Dump Vars Clear