



DT-01

Firmware update manual

INTRODUCTION

The DT-01 is equipped with bootloader functionality. This is a piece of software that can be used to update the software inside the DT-01. With this technology you are able to update your DT-01 to the latest firmware version.

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Document revisions

Date	Version	Change
14-04-2019	R10	Initial document
02-07-2019	R11	Additions to “Updating steps”
02-08-2020	R12	Removed checksum check

Software revisions

Date	Version	Change
24-01-2019	R12	Initial release
14-04-2019	R14	Bug fixing
02-08-2020	R15	Optimized software for performance

1 Firmware Update

What do you need

- A midi program like MIDI OX to send the new firmware file to the DT-01
<http://www.midiox.com/>
- The DT-01 firmware file
<http://www.dtronics.nl/pages/dt01.html>

value 1, than 2,4,8. So with LED 7 and 8 ON, we need to add value 2 and 1 = 3.

LED 1-4 indicate the first part of the firmware version number. LED 5-8 the second part.

Binary, counting from the left 0001.0011 = V1.3

after successful upgrade, led 1 and 6 will be lit. 0001 0100 = V1.4

How does it work.

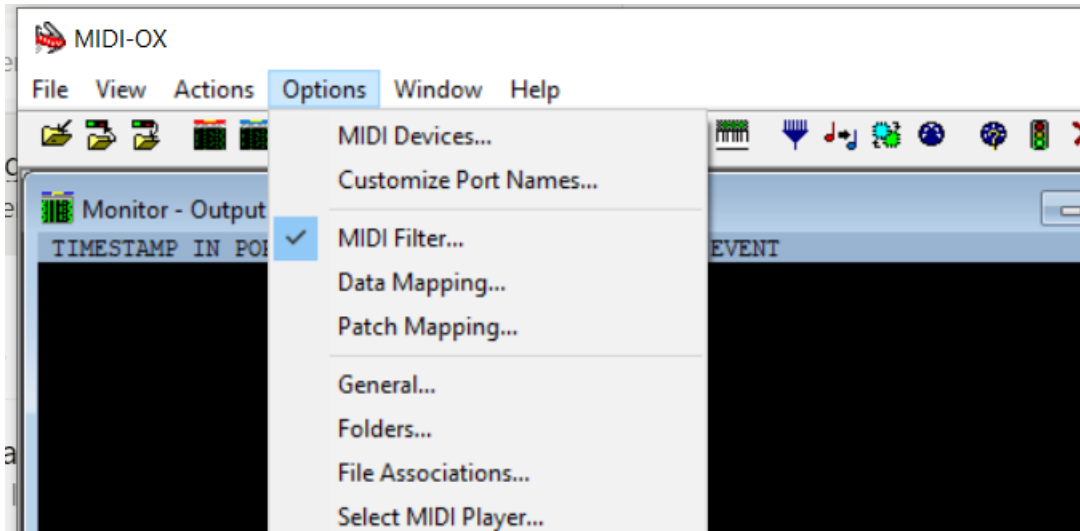
Updating the DT-01 is done by sending the new firmware file to the DT-01 in System Exclusive format (or simply SysEx).

Updating steps:

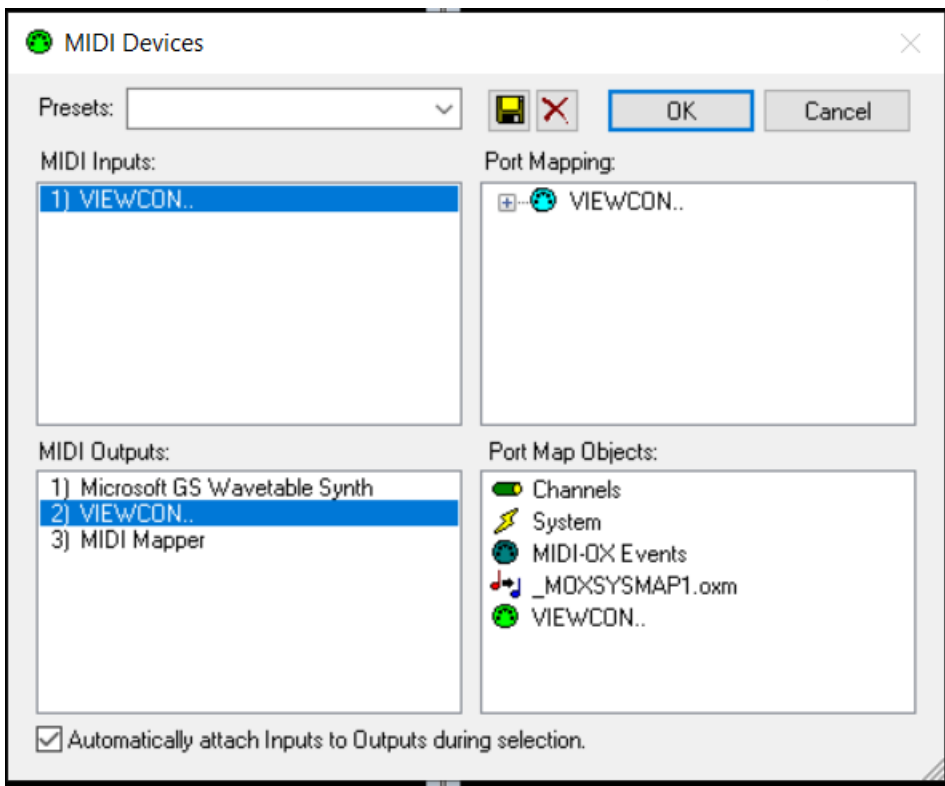
- Download the latest firmware version from our website.
- Install a midi program that has SysEx support in this manual we are using MIDI-OX
- Connect the MIDI IN from the DT-01 with the MIDI OUT from the computer running the MIDI software

- **Do NOT connect the midi out of the programmer.**

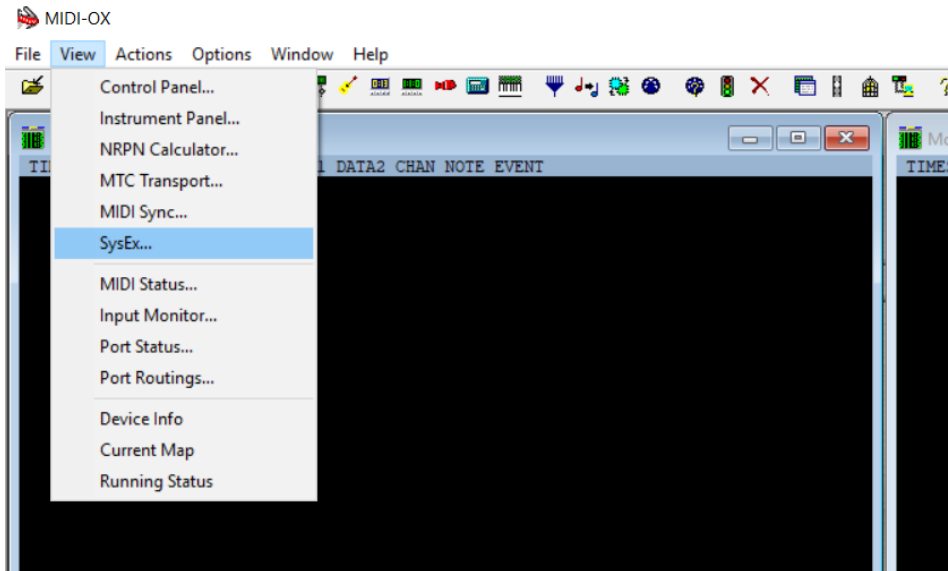
- **HOLD PARTIAL MUTE, 1 LOWER** switch (button 5, see figure 1) while **turning on** the DT-01. Nothing will happen, no lights will go on. Now you can release the button. The DT01 is now in bootloader mode.
- Open MIDI-OX and select the right midi output device that you are using. Menu Options -> MIDI Devices



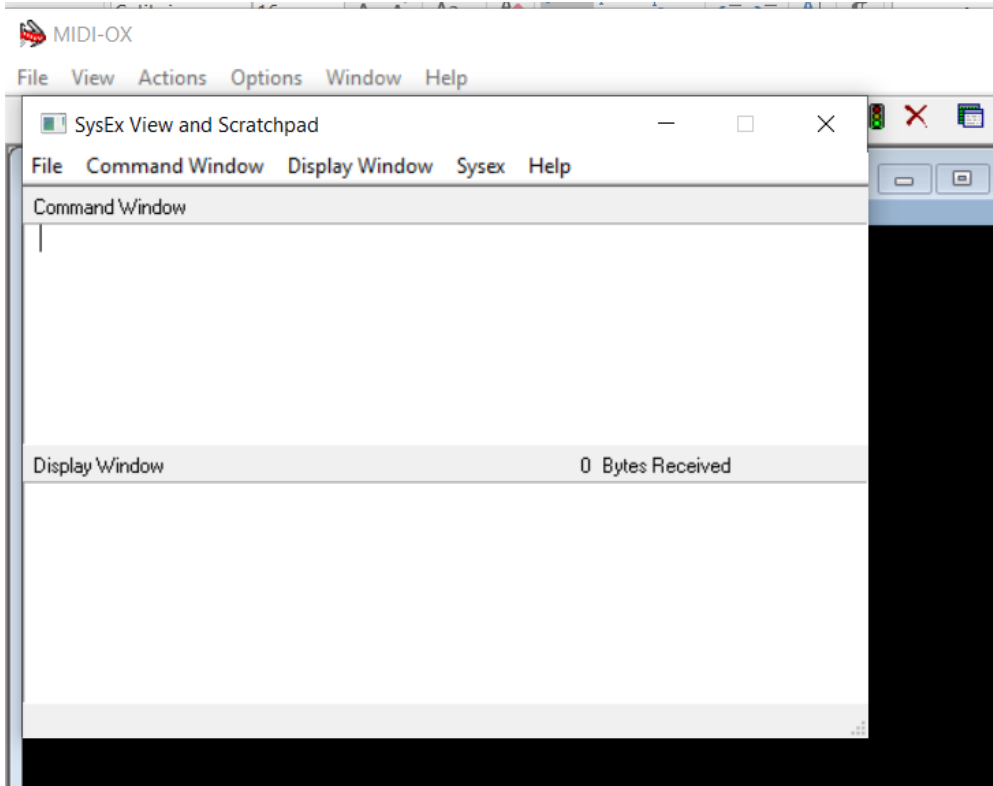
- In the MIDI Devices menu check if the MIDI output device is right



- Navigate to menu **View -> SysEx**

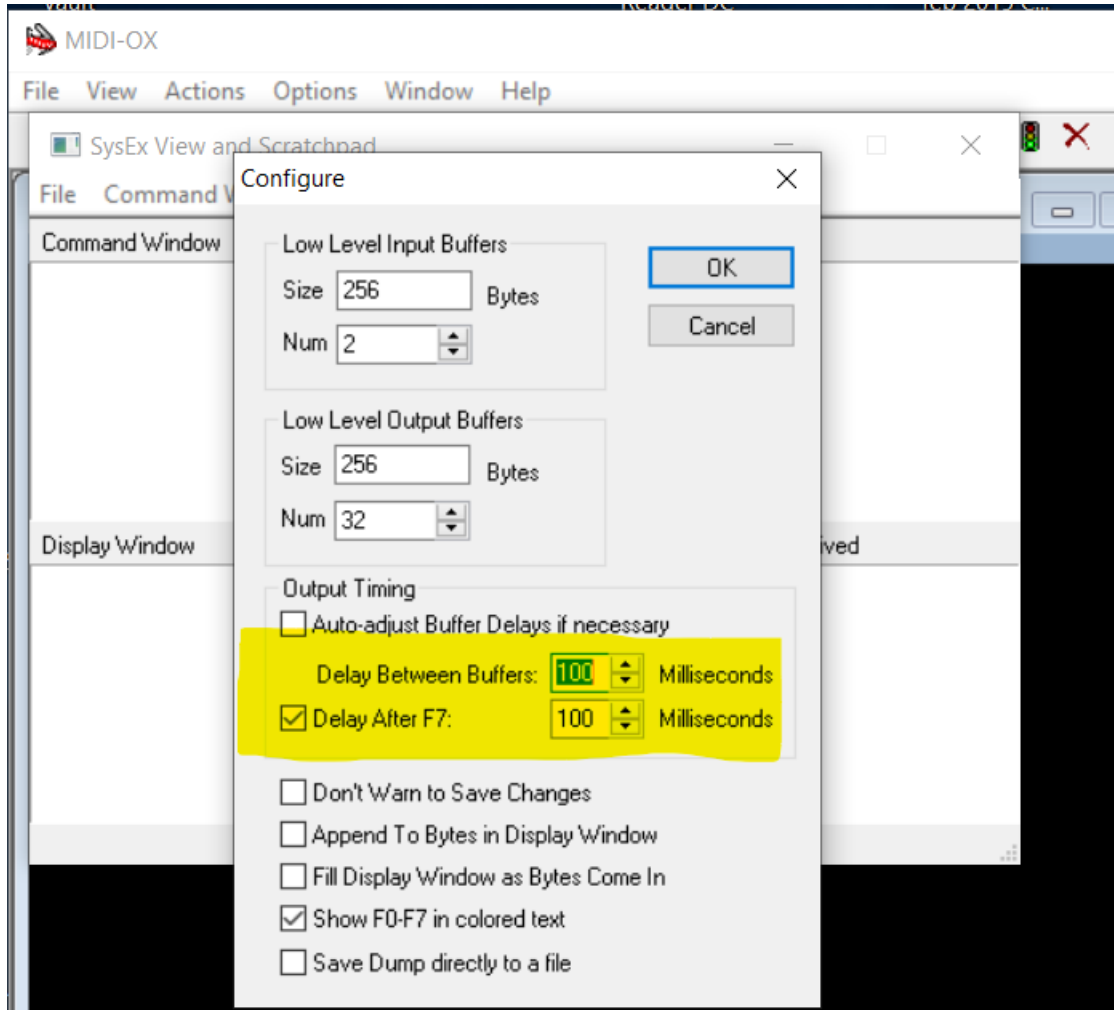


- The SysEx menu will open.

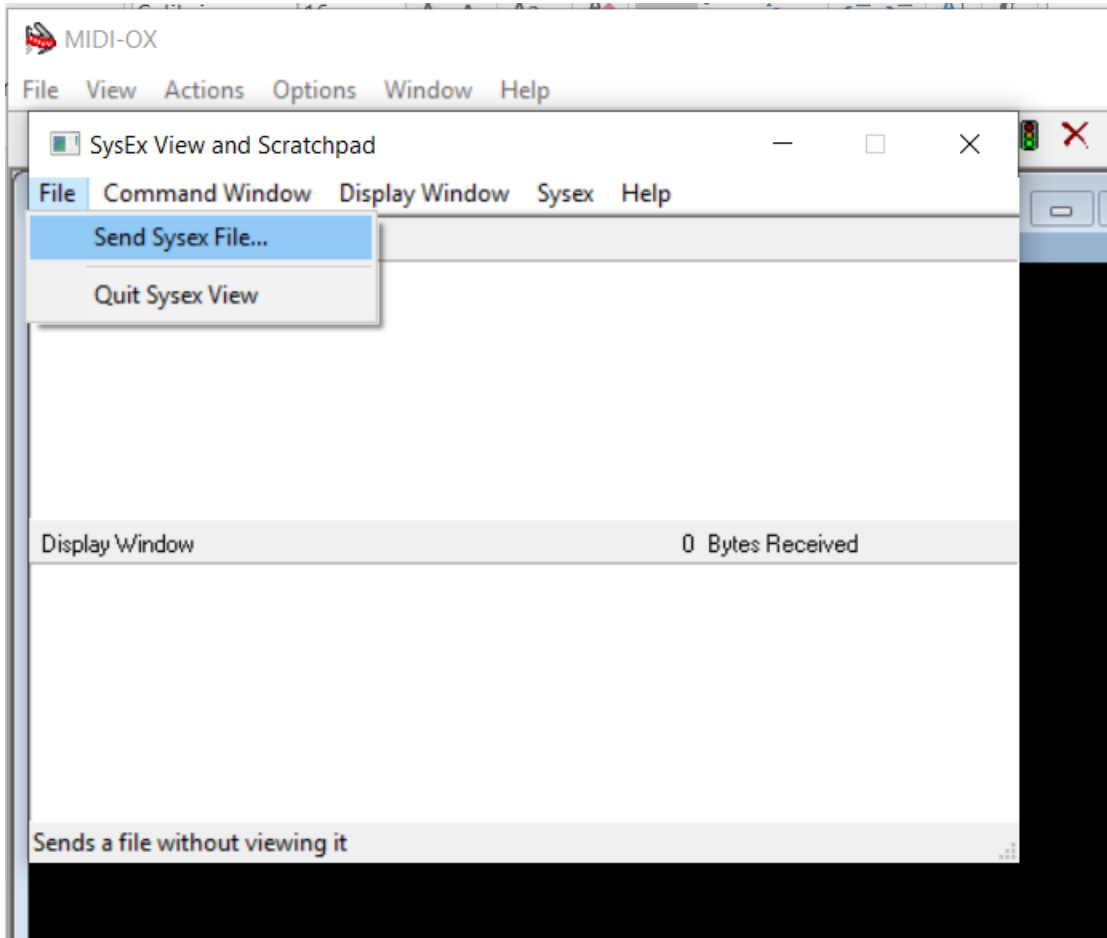


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- Navigate to Sysex > Configure
Set delay between buffers and delay after f7 to 100
make sure the box before "delay after F7" is checked.



- Click on **File** and select the option Send Sysex File.



- Select the downloaded firmware file and press OK. Uploading the file will take a few minutes.
- After completion, the dt01 will reset and start up and the LED's will shown the new firmware version.

Any questions please let us know.