# TXT 4.0 Controller repair firmware - Reset controller to factory settings

This document describes how to reset the firmware of the TXT 4.0 controller to the factory settings. This is necessary, for example, if the controller no longer boots properly or if all data on the controller is to be deleted.

**ATTENTION**: All data on the TXT 4.0 controller will be reset to the factory settings!

Please follow the instructions step by step. If you have any questions, please contact fischertechnik-technik@fischer.de.

1. Take a µSD card with a memory size of 4-32GB. Load the image file e.g. "image-production_581-001-rev04_sd-1.6.0_tst-2.2.0_fw-3.1.6-cfg00.sdcard.zip" from https://www.fischertechnik.de/txt40controller and unzip it on your computer.

2. Etcher can be used to create the µSD card.
   https://www.balena.io/etcher/
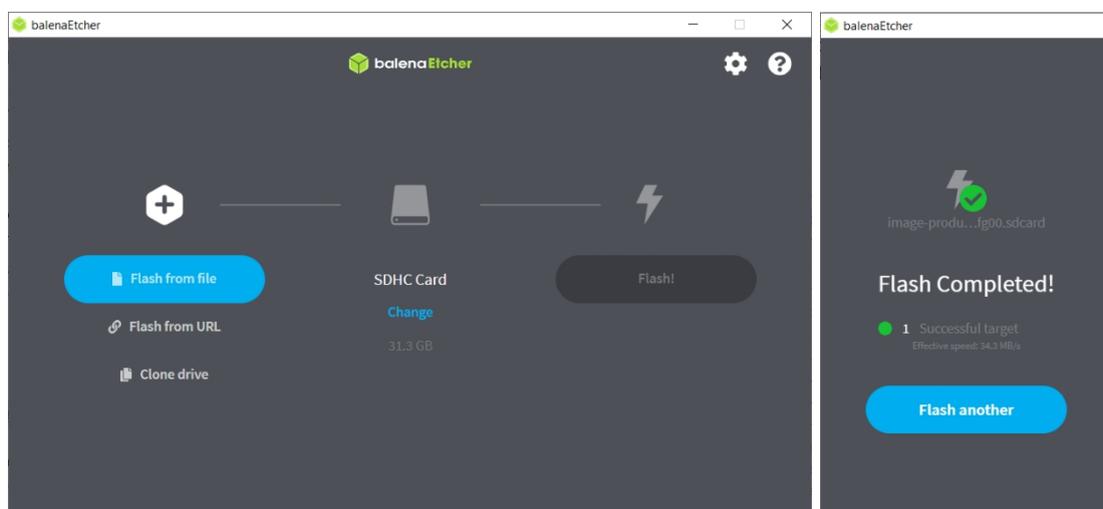


3. Insert the flashed µSD card into the TXT 4.0 controller.

4. Connect input C4 to earth (see illustration).

5. Switch on the power supply.

6. After a few seconds, the ON/OFF button should flash alternately red/green. This means that the firmware is being flashed. This usually takes about 5 minutes.

7. When the flash process is complete, the button lights up blue if successful and red if an error occurs. If successful, the µSD card can be removed. At the end of the flash process, the controller must be manually removed from the power supply.

8. Switch the TXT 4.0 controller back on by pressing the ON/OFF button for >3 seconds. The controller boots the firmware from the internal flash.