Mountbatten Brailler Tutor automated reflash procedure

This automated procedure describes updating your Mountbatten Brailler Tutor bootloader program. Bootloader is the basic part of the software that starts up all other processes, running on the internal microcomputer of the MB Tutor.

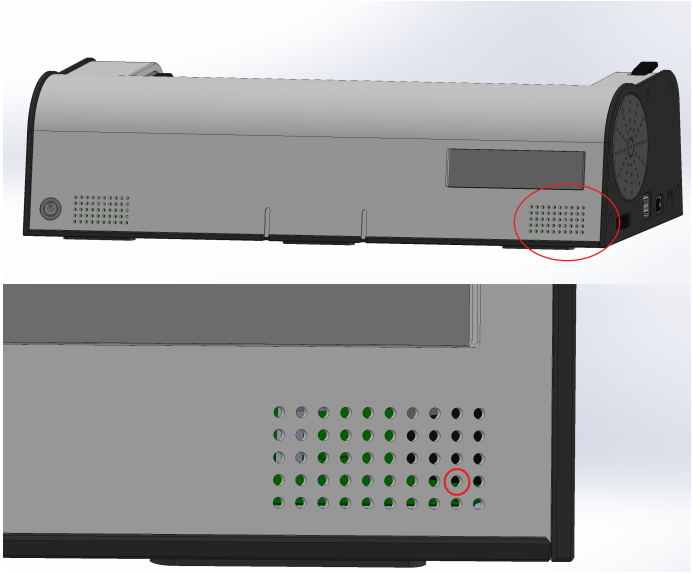
For the procedure, you will need:
- STM32CubeProgrammer, available at this page:
  https://www.st.com/en/development-tools/stm32cubeprog.html
- the Reflash_MBT.zip file from Harpo
- a USB memory stick FAT32 formatted
- main MB Tutor firmware update file (MBUPDATE.TUT.zip) unpacked on the USB memory stick mentioned above
- a USB-A to USB-A cable
- a tool for activating the Boot0 key; this needs to be a 2,5 mm prong at least 5 cm long

1. Plug the charger power supply jack into the MB Tutor and connect to a wall outlet; check if the power supply delivers power.

2. Plug in the USB-A to USB-A cord to the upper USB socket on the right side of the MB Tutor

3. Plug the other end of the USB-A cord to any USB socket on your PC

4. Locate the Boot0 key under the housing of the MB Tutor:



5. Using a prong push, keep pressing the key that is under the case:

6. Keeping the Boot0 pressed, push the reset button shortly on the right side of the MB Tutor. (You need to press both reset and Boot0 at the same time, then release the reset button first, and Boot0 later.)

7. Unpack the Reflash_MBT.zip file into any folder on your PC and run the MBT_bootloader_reflash_v0.2.bat file found in the unzipped folder.

Now - move to your MB Tutor:

16. When the unit begins emitting beeps, unplug the USB-A cable from the MB Tutor and plug the USB memory stick containing the update package into the same USB socket (upper on the right side).
The process can take up to 5 minutes, and the device will start on its own when the process is finished.