

How to upgrade ED-T43L-V

1. Introduction

This document describes how to update software of external touch-display ED-T43L-V.

2. Software

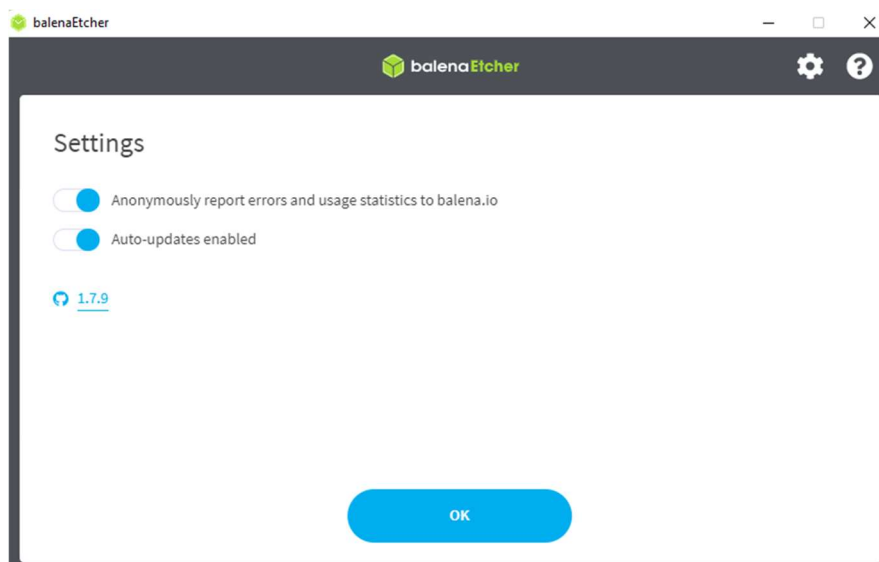
Following software is needed to update the device:

2.1. Images

- Image-xxxxxx.sdcard.bin
 - o Image includes operation system, applications, and scripts
 - o Burning this image to a SD card, allows you to run everything from the SD card
- update.img
 - o Image which will be programmed to internal flash, to start the device without SD card

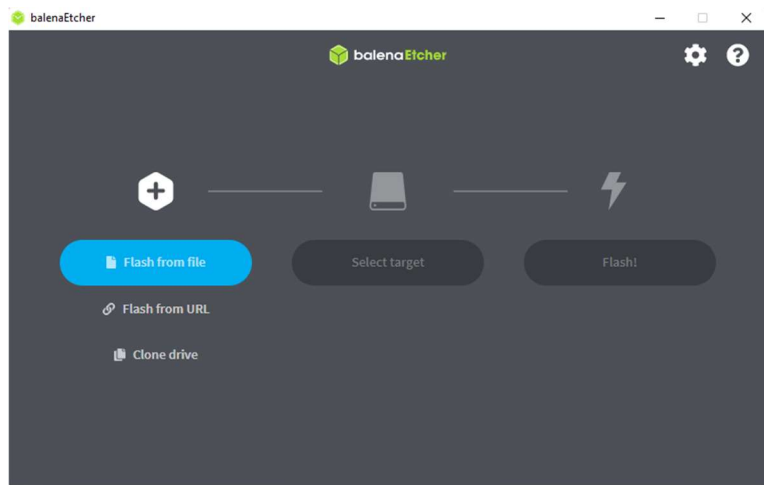
2.2. Tools

- Balena Etcher
 - o https://www.balena.io/etcher/?ref=etcher_footer
 - o Tool to burn SD card image to SD card
 - o we used version 1.7.9

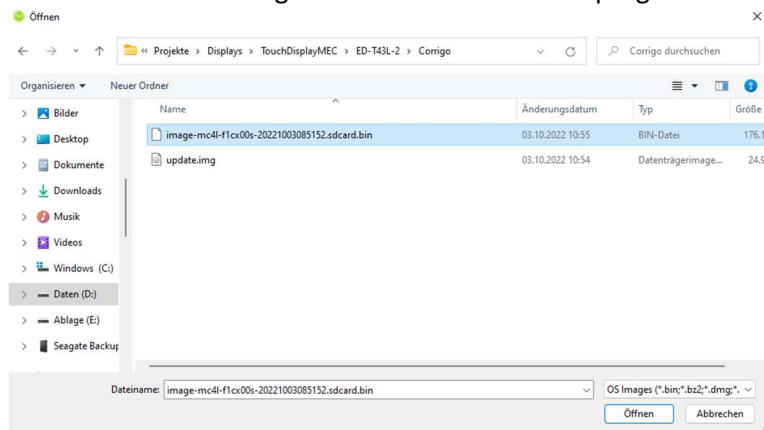


3. Update

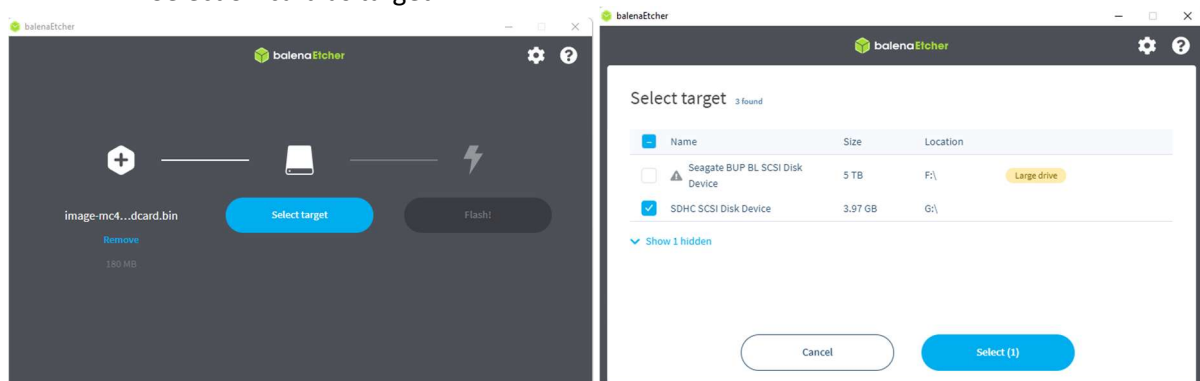
- Insert SD card into PC
- Open balenaEtcher tool
- Select Flash from file



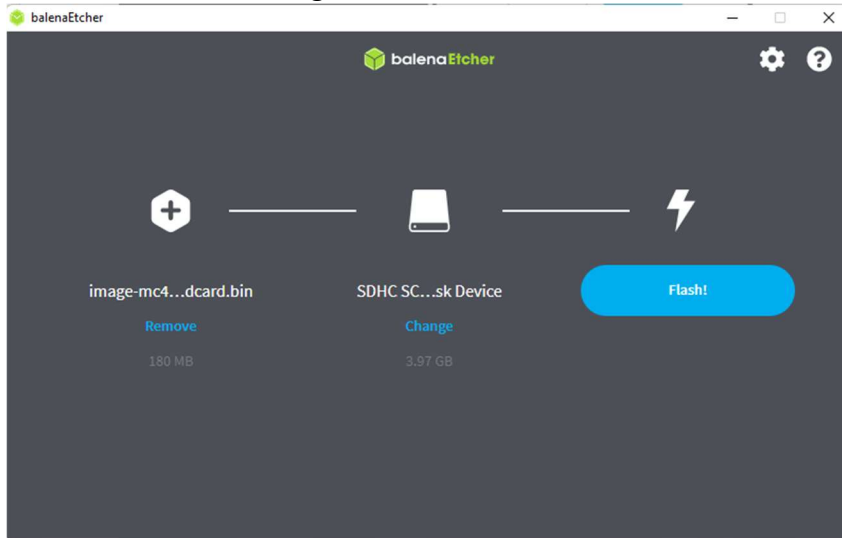
- Select Image-xxxxxx.sdcard.bin to be programmed to the SD card



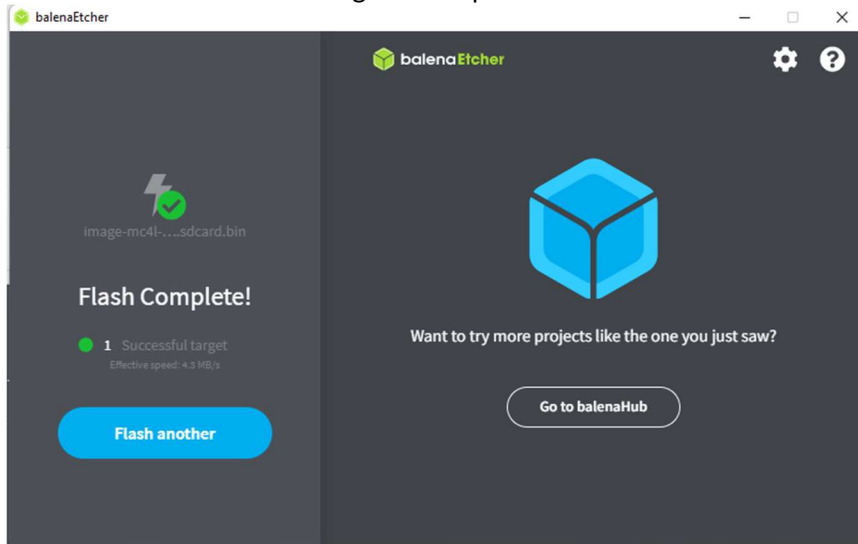
- Select SD card as target



- Start Flashing SD card



- Wait until flashing has completed



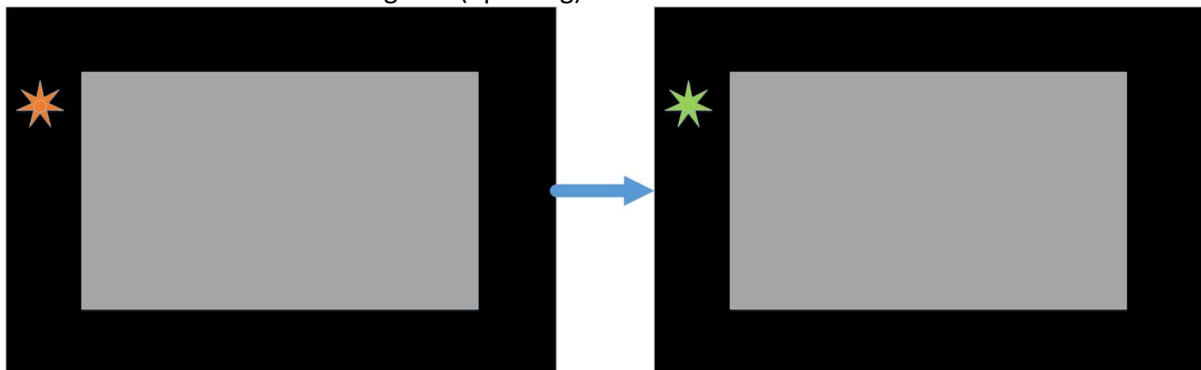
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- Open FAT partition of the SD card and copy the files from the folder “Copy files to display SD card” to the SD card. The folder is in the zip-file “Upgrade ED-T43L-V” in the *Software* section on the product page on the Regin web, www.regincontrols.com.

Name	Änderungsdatum	Typ	Größe
dfdata	30.01.2023 15:54	Dateiordner	
image-version-info	06.04.2011 00:00	Datei	1 KB
kernel.bin	19.01.2023 11:33	BIN-Datei	497 KB
lang0.lng	19.01.2023 11:33	LNG-Datei	60 KB
lang1.lng	19.01.2023 11:33	LNG-Datei	59 KB
lang2.lng	19.01.2023 11:33	LNG-Datei	59 KB
lang3.lng	19.01.2023 11:33	LNG-Datei	60 KB
lang4.lng	19.01.2023 11:33	LNG-Datei	59 KB
lang5.lng	19.01.2023 11:33	LNG-Datei	59 KB
lang6.lng	19.01.2023 11:33	LNG-Datei	119 KB
lang7.lng	19.01.2023 11:33	LNG-Datei	118 KB
mc4l-f1cx	06.04.2011 00:00	Datei	24.004 KB
skin0.skn	19.01.2023 11:33	SKN-Datei	172 KB
suniv-f1c100s-mc4l.dtb	06.04.2011 00:00	DTB-Datei	14 KB
suniv-f1c100s-mc4l_0.dtbo	06.04.2011 00:00	DTBO-Datei	1 KB
suniv-f1c100s-mc4l_1.dtbo	06.04.2011 00:00	DTBO-Datei	1 KB
suniv-f1c100s-mc4l_2.dtbo	06.04.2011 00:00	DTBO-Datei	1 KB
suniv-f1c100s-mc4l_3.dtbo	06.04.2011 00:00	DTBO-Datei	1 KB
suniv-f1c100s-mc4l_5.dtbo	06.04.2011 00:00	DTBO-Datei	1 KB
uEnv.txt	06.04.2011 00:00	Textdokument	1 KB
UIDef.bin	19.01.2023 11:33	BIN-Datei	347 KB
update.img	19.01.2023 11:33	Datenträgerimage...	30.912 KB
VMDef.bin	19.01.2023 11:33	BIN-Datei	26 KB
zlmage	06.04.2011 00:00	Datei	3.844 KB

- Remove SD safely from your PC
- Put SD into ED-T43L-V device
- Power up ED-T43L-V by connecting the cable to the display port of the controller
- After some seconds (this could take up to 30 seconds – depending on the content of the internal flash), LED on ED-T43L-2 starts blinking orange (booting). If there is an update available LED blinks green (updating)



- Programming has finished as soon as the led stops blinking

- Constantly green → flashing ok
- Constantly red → flashing failed
- If flashing was ok
 - Disconnect ED-T43L-2 from Power
 - remove SD card
 - Connect ED-T43L-2 to power again → Display will now boot from internal flash

4. Calibrate Touch-screen

- Press and hold when this message is shown, until...



- This message is shown



- Follow instructions on screen





- Finish the process of calibration by pressing the left button



- Wait until application starts

5. Test application

- Wait until the communication is up and running. The communication is ok when the display shows the time and date in the upper left corner, and the setpoint value.
- Test the touchscreen by pressing the symbol for the timer channels. The display should then show the information about the timer channels.



- Disconnect the display from the controller and remove the SD-card and cable.