



TECHNICAL GUIDE · CN-IC2E-20 · EXTERNAL

i-Controller 2.0e VCCX-454 Update Via USB Drive

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Title: i-Controller 2.0e VCCX-454 Update Via USB Drive

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Overview

This guide describes how to prepare a USB drive and perform a firmware update on the VCCX-454 controller. The USB drive must be formatted to FAT32, be 16 GB or smaller, and contain the “APP” folder from the provided update package. The VCCX-454 will only apply an update if the software number matches (SS1208) and the update file version is newer than the version currently installed. During the update process, the LCD will display status messages such as “VALIDATE” and “FLASHING.” Do not remove power or the USB drive while the controller is flashing. **NOTE:** The VCCX-454’s USB port is only used for updating the VCCX-454’s firmware using a USB drive.

Preparing A USB Drive

Format The USB Drive

Before loading the program file to the USB, verify the drive has been formatted to the FAT32 file system and the drive is not larger than 16 GB. If the file system is not correct, format the drive now, before loading the program file.

Copy The VCCX-454 Update File To The USB Drive

1. Save the emailed zip file to your desktop.
2. Open the zip file.
3. Copy the “APP” folder in the zip file.
4. Paste the “APP” folder to the USB drive.
5. After the “APP” folder has been copied to the USB drive, safely remove the USB drive from the PC.

Updating The VCCX-454 Using The USB Drive

Multiple hex files can be on the USB drive – the VCCX-454 will only update if the software number is the same (SS1208) and the hex file is a higher version than what is currently on the VCCX-454.

1. Insert the USB drive into the USB port on the VCCX-454.
2. Power cycle or power on the VCCX-454.
3. If the VCCX-454 was able to find an update file and it is newer than the version currently on the VCCX-454, the LCD will display “VALIDATE” as it is checking the update file.

4. If it is a valid update file, the LCD will then display "FLASHING".
5. **WARNING:** DO NOT power off the control or remove the USB drive while the VCCX-454 is flashing!
6. Once complete, the VCCX-454 should start the updated firmware.
7. Remove the USB drive.

If you have any questions or concerns about the update process, please contact Flō Technical Support (888-598-1198 opt.1) or email Flō Technical Support (techsupport@systemsflo.com)

REVISION HISTORY

Revision (n-ddmonthyyyy)	Modification
1-11SEPT2024	Initial release, content provided by RG, published by CA
2-12JUN2026	Updated product references from VCCX-IP to VCCX-454; standardized USB drive terminology, corrected APP folder instructions, and expanded the overview.

APPROVALS

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