

# CCGX: Updating firmware (pre v2.00)

## Newer information available

Note that this pages describes an old procedure. See [here](#) for the latest information.

## Intro

There are two ways to update the firmware of a CCGX:

1. Update it via the internet, either manually or let it check for new updates every day
2. Update it from an microSD-card or USB-stick

## 1. Internet

To update from the internet, go to the Settings menu, and then Firmware.

## 2. microSD-card or USB-stick

Follow the instructions below to update a Color Control that is not connected to the internet. Or to recover a Color Control that is not working anymore.

### 2.1 Download

Get the latest zip file from this list:

<http://updates.victronenergy.com/feeds/ccgx/images/>


The details changelog, including possible limitations and known issues, is available in [Victron Professional](#).

See also recent blogposts: <https://www.victronenergy.com/blog/category/firmware/>

### 2.2. Note on USB-sticks

Not all sticks work yet, unfortunately. If the Color Control display shows just solid blue after rebooting, and nothing happens after that, you most probably have a USB-stick that does not work. Try to find another one that does work. Or use a microSD-card, as they always work.

## 2.3. Prepare microSD-card or USB stick

- Make sure it is formatted with FAT or FAT32. Nothing else, also no exFAT.
- Extract all files from the zip file in to the root-folder of the microSD or USB-stick.
- Use the Windows Safely remove device function  before taking the microSD or USB-stick out of the computer. On Linux and Apple this is called Eject.

## 2.4 Place the microSD-card or USB-stick in the Color Control



## 2.5 Make sure VE.Direct port 1 is not connected to a product

## 2.6 Reboot the Color Control and force it into update mode.

There are two ways to do this:

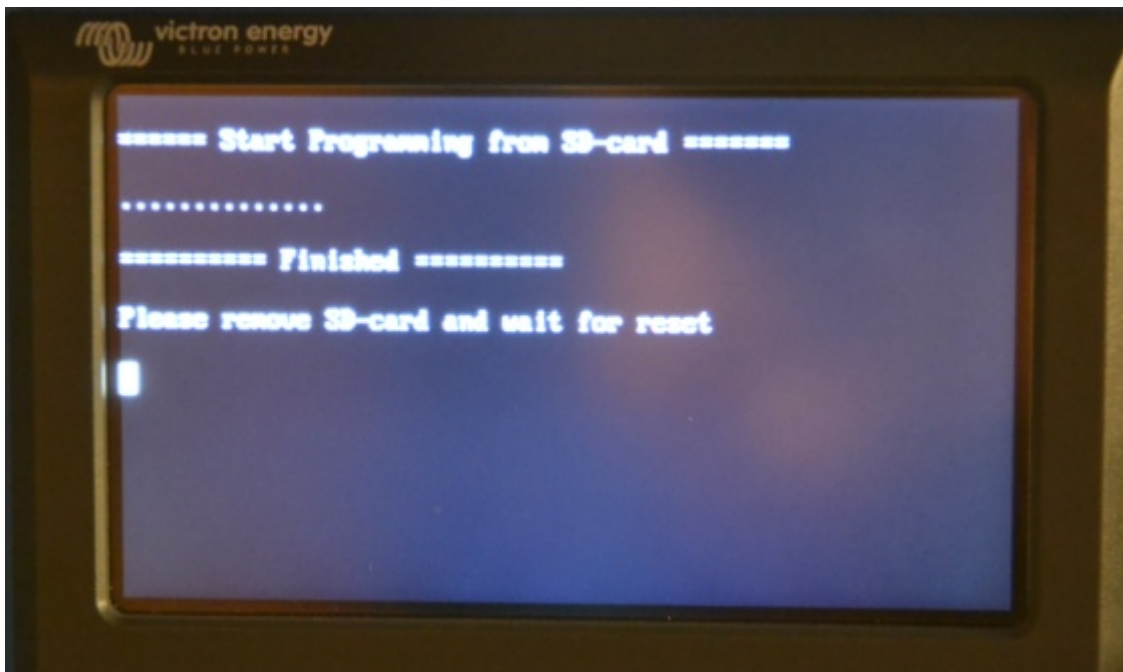
### 1. Via the reboot option in the settings menu:

- Find Reboot in the setup menu (Settings → General → Reboot)
- Initiate restart. Press and hold button E as soon as you see the text 'Rebooting'.

## 2. With a hard reboot:

- Press and hold button E
- Then press buttons A and B at the same time and release them again, while holding button E

### 2.7 Wait until the screen is black and you see white text: 'Programming'



### 2.8 Release button E and follow onscreen instructions

This is the text shown during programming:

```

===== Start Programming from ... =====
.....
===== Finished =====
Please remove ... and wait for reset

```

## 2.9 Common problems

### 2.9.1 The screen stays solid blue (no Victron logo) after the reboot

There are three things that could be the problem:

1. There is still a BMV or other VE.Direct product connected to VE.Direct port 1, disconnect it before the reboot.
2. There is a problem with finding the new firmware on the microSD or USB. Double check its contents and formatting format (FAT or FAT32). NTFS disk format is not supported.
3. The USB-stick hardware is not supported, try your luck with another stick or use a microSD-card.

## 2.9.2 Error message 'error: the file ubi.img is missing' is shown

In this case the sd card or usb-stick is properly loaded, and the update script on the stick is being executed: no need to try another stick or card!

To solve: make sure that you have copied all files from the zip file onto the card or usb stick. And make sure to use the Eject function in Windows: ubi.img is the largest file and might take some time to get properly written.

## DISQUS

[View the discussion thread.](#)

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