

# How to update a GX device

These instructions apply to all [GX Devices](#):

- Color Control GX (CCGX)
- Venus GX (VGX)
- Octo GX (OGX)
- CANvu GX (CGX)

## 1. Changelog

The change log is available in [Victron Professional](#).

## 2. Using the right procedure (CCGX only)

Depending on the installed firmware version, the update procedure differs.

Running firmware version v1.74 or earlier? An upgrade is needed. Follow [the upgrade procedure to v2](#).

Otherwise follow instructions below.





## 3. Via internet or with microSD-card/USB-stick

There are two ways to update the firmware:

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

### 3.1 Direct download from the internet

To update from the internet, navigate to: **Settings→ Firmware→Online updates**.

<	Firmware	08:57
Firmware version	v2.00	
Build date/time	201612301035	
Online updates	>	
Offline updates	>	
Stored backup firmware	>	
 Pages	 Menu	
<	Online updates	08:58
Auto update	Check only	
Update to	Latest release	
Check for updates	Press to check	
Update available	Press to update to v2.01	
Update build date/time	201701131248	
 Pages	 Menu	

## 3.2 MicroSD-card or USB-stick

Updating with a microSD-card or USB-stick is called 'Offline updating'. Use it when updating a device that is not connected to the internet.

### Step 1. Download

Get the latest swu file:

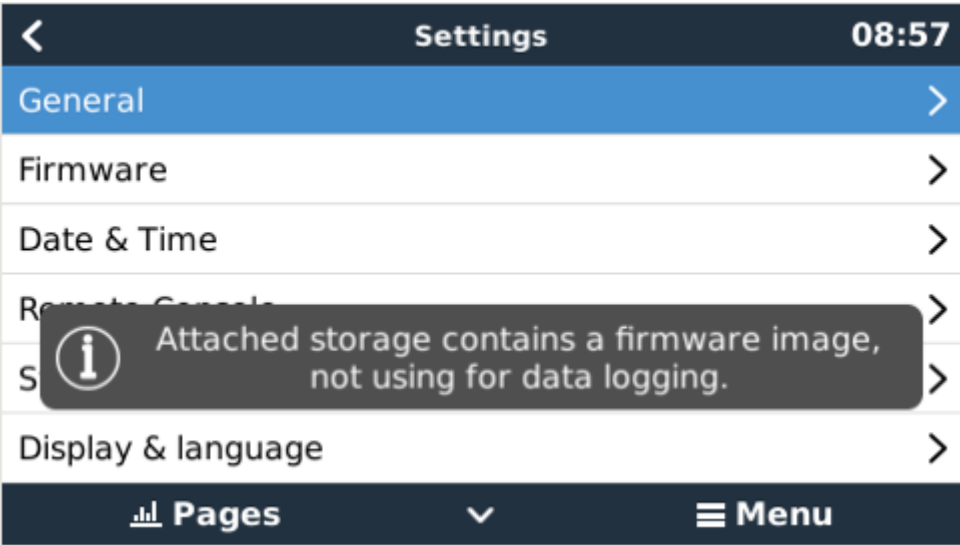
- CCGX: [venus-swu.ccgx.swu](#)
- Venus GX: [venus-swu-beaglebone.swu](#)

### Step 2. Install on an sdcard or usb stick

Store the file in the root folder of a USB-stick or microSD-card.

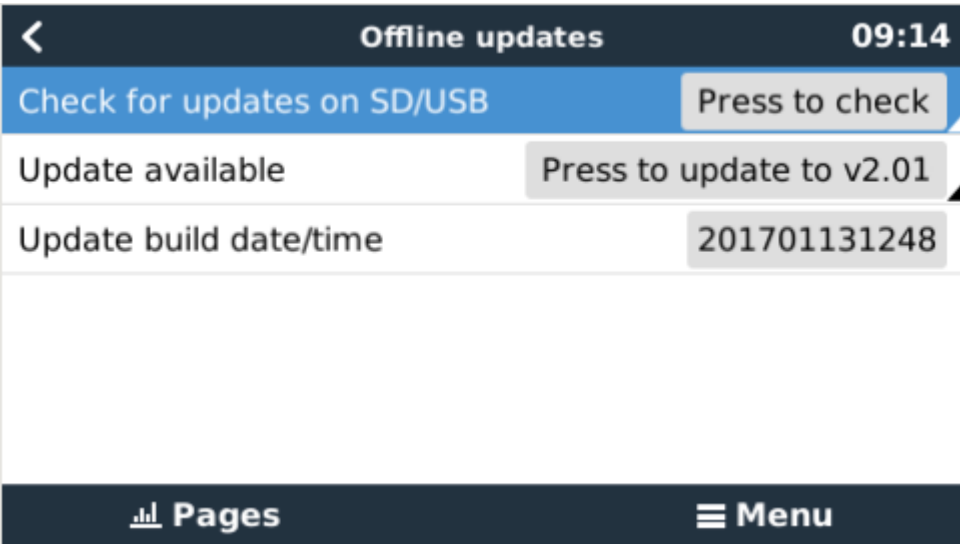
### Step 3. Insert the device

Note that you will see a warning “Not using media for storing logs”. That warning can safely be ignored.



### Step 4. Initiate the update

- Navigate to **Settings → Firmware → Offline updates**.
- Press Check for updates
- If the firmware in the microSD-card or USB-stick is newer than the running one, “Update available” item will appear, press it to start the update process.



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Permanent link:

[https://www.victronenergy.com/live/ccgx:firmware\\_updating?rev=1556538846](https://www.victronenergy.com/live/ccgx:firmware_updating?rev=1556538846)

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