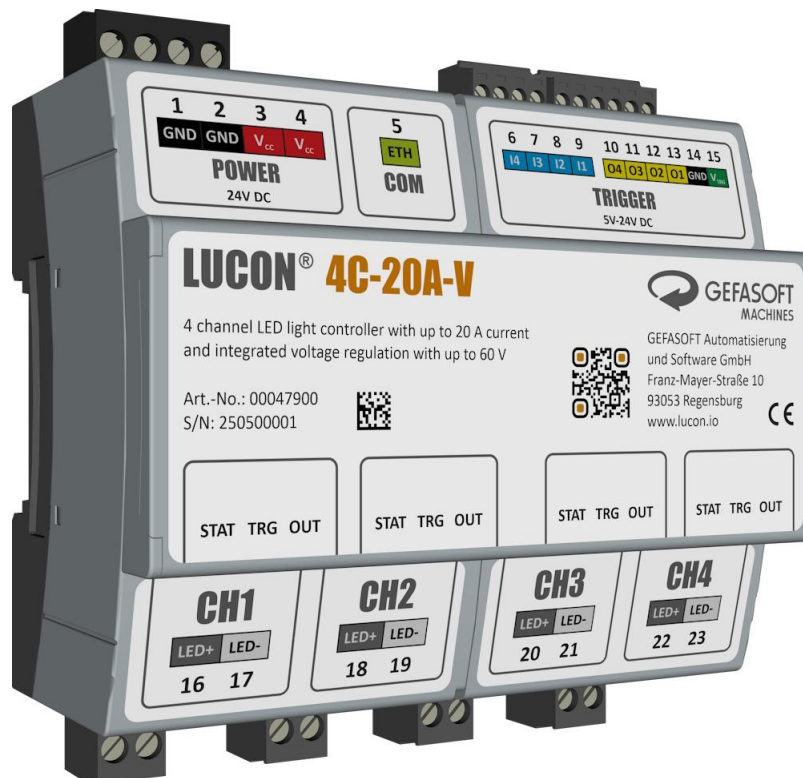


GEFASOFT MACHINES

Quick Reference

Firmware Update Guide for LUCON® 4C-20A-V



Issue date:
Revision:

May 4, 2026
1.0

Short description

The LUCON® 4C-20A-V controllers have a mechanism for updating the built-in firmware. This allows new features to be introduced to the controllers. An automatic over-the-air update is not possible. Updates must be performed manually by the user. An update requires access to the internal web server.

Identification

Article No. 00047900 LUCON® 4C-20A-V

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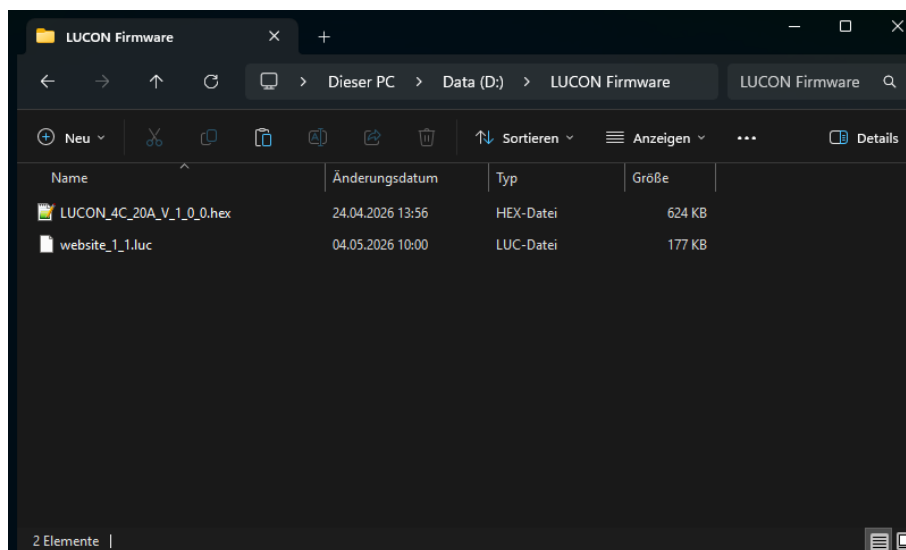


1 Get the latest firmware

The latest firmware is always available on the LUCON® website. For the LUCON® 4C-20A-V, the files can be found here (Under the tab "Downloads" and then in the "Firmware" subitem):

<https://lucon.io/controller/lucon4c20av/>

The files on the website are offered as ZIP archives. In order to transfer them to LUCON® 4C-20A-V, the ZIP archives must first be unpacked. Under Windows this can be done directly with the Windows Explorer. Alternatively, various programs and tools are available on the Internet.

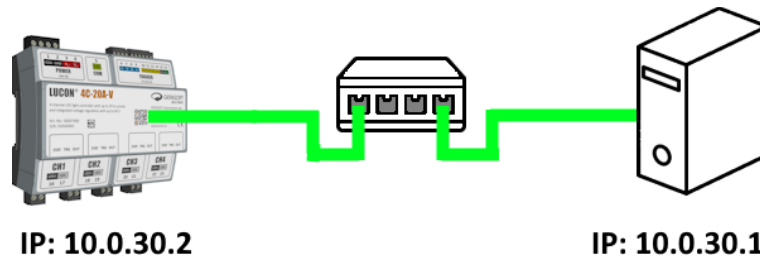




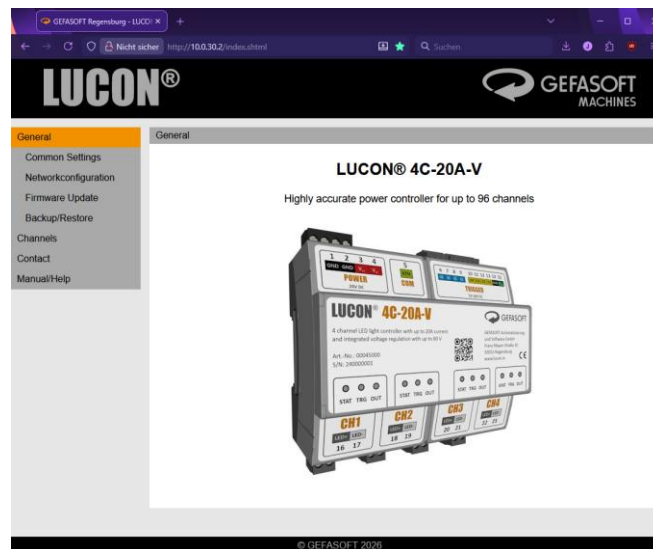
2 General preparations

Caution: There is always a risk associated with a firmware update. For example, in the event of a power failure, the devices may be damaged beyond repair. An update should only be performed if necessary. If you have any questions or problems with an update, please contact GEFASOFT Automatisierung und Software GmbH. We will be happy to help you.

The LUCON® 4C-20A-V module can be connected to a computer either directly or via a switch. It is important that the IP address of the computer is in the same subnet (e.g. 10.0.30.1, subnet: 255.255.255.0).



In a browser, enter the address of LUCON® 4C-20A-V (10.0.30.2) in the address line. The configuration website opens. Then click on "Firmware Update" in the menu on the left:

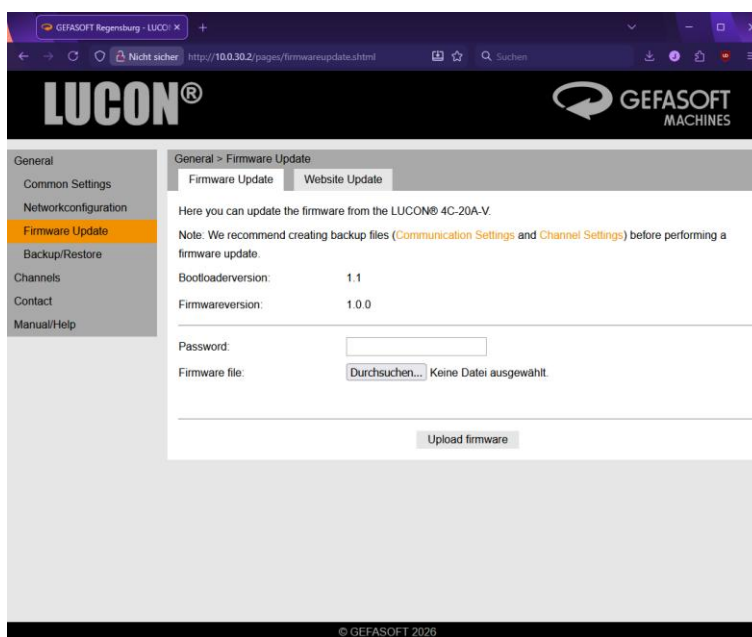




3 Update the main firmware

Caution: If your device currently has firmware version 0.6.0 or lower (e.g., 0.5.0 or 0.4.0) installed, you must first set the "Controller Offset" to 0. To do this, click on "General" and then "Common Settings" in the menu. Set the "Controller Offset" to 0 and click "Save permanently and restart." The firmware can then be updated as shown below. Starting with firmware version 0.7.0, this step is no longer necessary.

Select "Firmware Update" from the top menu. The following page will be displayed:



The password for protection is:

a

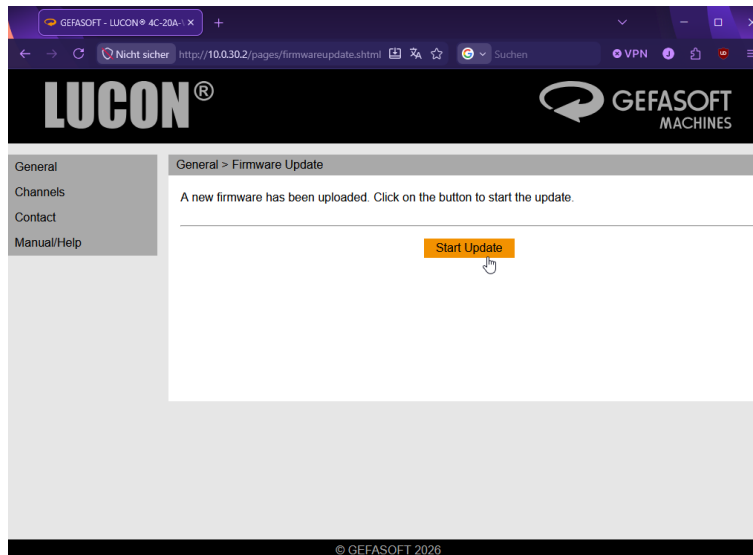
The file must be of type *.hex and the name must be structured according to the following scheme:

LUCON_4C_20A_V_x_y_z.hex

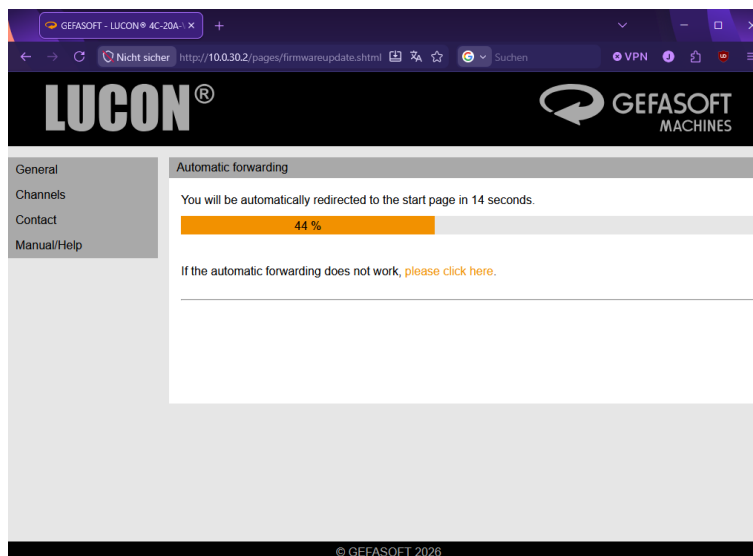
x, y and z represent the firmware version and can look like 1_0_0.

Then click on "Upload firmware" to transfer the file to the controller (**but it will not be installed yet**).

The file will now be checked and after a few moments it will be automatically forwarded. The update process can now be started by clicking on "Start Update":



The update will be completed in about 1 minute. During this time the LUCON® 4C-20A-V will be restarted several times.

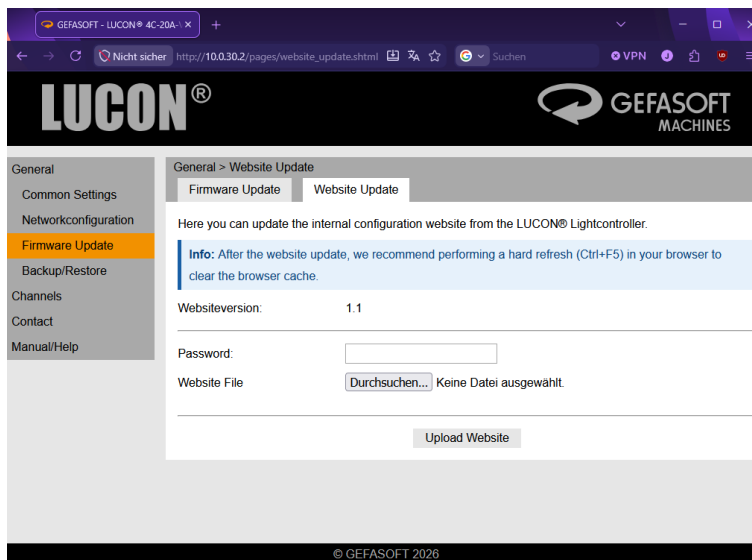


While the update is in progress, the Status LEDs on the LUCON® 4C-20A-V will flash blue.



4 Update the website

Select "Website Update" from the top menu. The following page will be displayed:



The password for protection is:

a

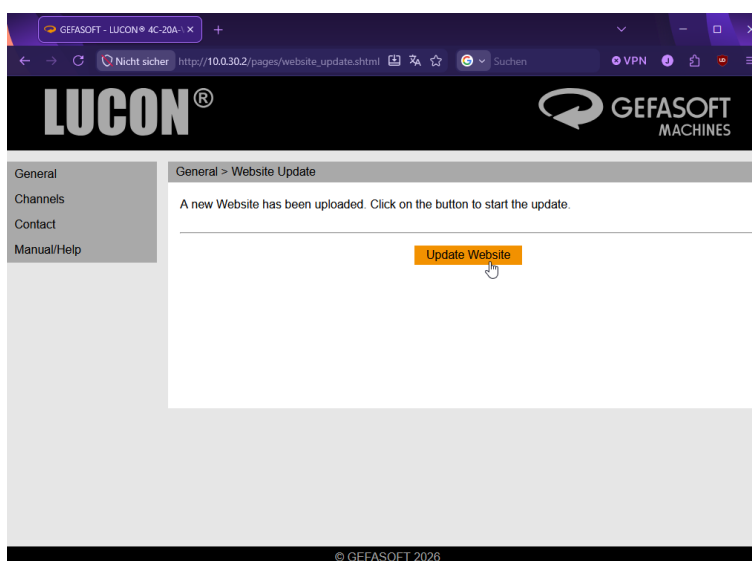
The file must be of type *.luc and the name must be structured according to the following scheme:

website_x_y.luc

x and y represent the website version and can look like 1_0.

Then click on "Upload Website" to transfer the file to the controller (**but it will not be installed yet**).

The file will now be checked and after a few moments it will be automatically forwarded. The update process can now be started by clicking on "Update Website":



The update will be completed in about 1 minute. You will be automatically redirected to the previous page when the update process is complete.



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Nicht sicher http://10.0.30.2/pages/website_update... Suchen VPN

LUCON®

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- General
- Common Settings
- Networkconfiguration
- Firmware Update**
- Backup/Restore
- Channels
- Contact
- Manual/Help

General > Website Update

Please wait, until the update is finished. When the update is finished, you will be automatically redirected to the previous page. If the automatic forwarding does not work, [please click here](#).

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