Release concerns doc.	Project number:	Created or modified and checked:		Checked and approved:	
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BA-6028-002_EN	**6028**	4.3.2025	KB	12.5.2025	MI

1 Purpose, Scope and application

This document describes how to carry out a software update of the CU4000 (machine control unit).

This document was created for the software versions

> **App Up/Download 1.1.0**
>
> **Web Main 1.0.0**

These versions were first installed with the applications P6 ctrl 1.3.0 and P6 UI 1.3.0.

2 Abbreviations

CU: Control computer CU4000 (machine control)
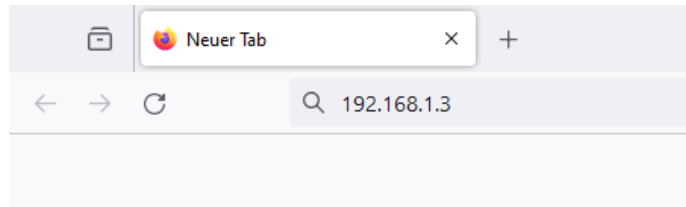
3 Prerequisites

A PC with any web browser (e.g. Firefox, Microsoft Edge, Google Chrome etc.) is required for a software update.

4 Software update

Several files are provided for a software update. The update is carried out by loading these files onto the CU.

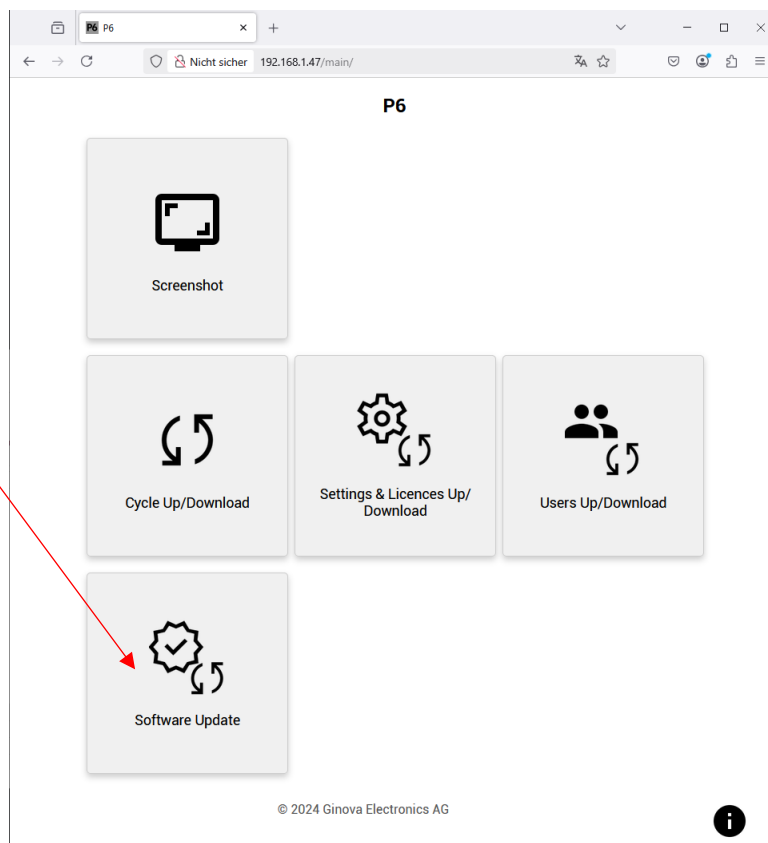| Title	Document:
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Procedure:

1) Switch on the machine. The machine must be in the same network as the PC (connection of the machine via Ethernet). Open any web browser on the PC (e.g. Firefox, Microsoft Edge, Google Chrome etc.) and enter the IP address (e.g. http://192.0.2.1) or the host name (http://IndexLine) of the machine in the browser. The IP address and host name of the machine can be seen on the CU in the system information and can be changed in the general settings[1].

HTTP vs HTTPS:

Communication takes place via HTTP. It is normally sufficient to simply enter the IP address (e.g. 192.0.2.1). If the browser displays https (e.g. https://192.0.2.1), you must switch to http (without "s", e.g. http://192.0.2.1).

2) As soon as a connection has been established, an overview of the available functions appears. Select "Software update"[2]

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[1] The host name can be changed from P6 version 1.5.0 (P6 ctrl 1.5.0 and P6 UI 1.5.0) in the general settings

[2] Alternative: Enter the following URL instead of just the IP address or host name:
http://<IP address or hostname>:8000/appUpDownload/ e.g. http://192.0.2.1:8000/appUpDownload/)
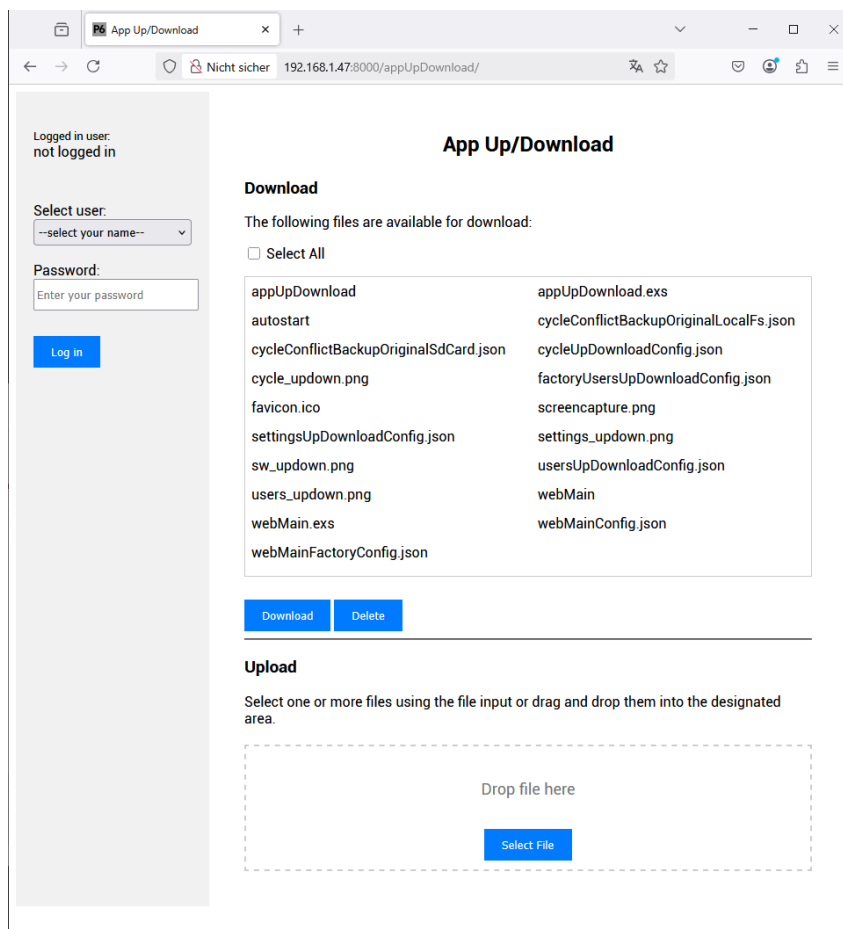
3) Under "Upload" (in the lower area), upload <u>all</u> files provided for the software update[3] (if the files are compressed, e.g. as a ZIP, unzip the files beforehand). To upload the files, either use "Select file" or drag & drop the files into the designated area. Replace files if necessary.

<u>Users</u>
If the user system is activated, the user selection for logging in appears on the left-hand side. Files can only be uploaded and downloaded after logging in.

<u>Download</u> (Download files)
A list of files available for download appears in the upper area. Selected files can be downloaded or deleted. This could be used, for example, to save and archive an existing software version on the PC.

4) As soon as all files have been transferred, switch the machine off and on again. The first startup will take a little longer than normal. The CU will display a message with newly recognized files.

5) New SW versions of the CU can be checked under *Service→ System Information.*

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[3] An application consists of the application file and a corresponding "signature file" (*.exs). Both files must always be transferred.

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5   Note on deleting files

Access (upload, download, delete) is made to files on the SD card. Files (including software or applications) can be deleted; this only deletes the files on the SD card. The files are copied to the controller (local file system) when it is started up and remain there (cannot be deleted). This means that the CU continues to run normally, even if certain files are missing from the SD card or if the connection is lost during the upload.