

Firmware Update

Hand in hand for tomorrow

Imprint

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Technical changes:

We reserve the right to make alterations for the purpose of technical improvement.

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Dear Customer,

Thank you for trusting our products and our family-owned company, the leading technology supplier of robots and production machines.

Our team is always available to answer any questions on this product and other solutions.

Ask us questions and challenge us. We will find a solution!

Best regards,

Your SCHUNK team

Customer Management

Tel. +49-7133-103-2503

Fax +49-7133-103-2189

cmg@de.schunk.com

Please read the manual in full and keep it close to the product.

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1 Firmware Update

To up- or downgrade the firmware version of your module, follow the instructions below.

NOTE

- For information how to check the current firmware version, see the chapter *Check current firmware version*.
 - The diagnosis memory is deleted during a firmware up-/downgrade. If necessary, save the diagnosis memory information immediately before the firmware up-/downgrade.
-

How to up- or downgrade

1. Connect your module with your computing device (laptop or pc).

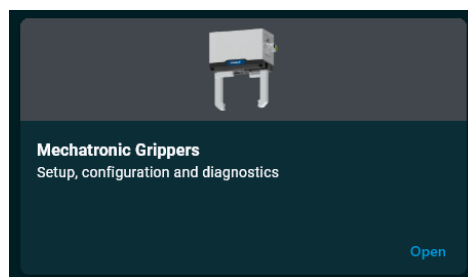
2. Start the SCHUNK Control Center.

NOTE

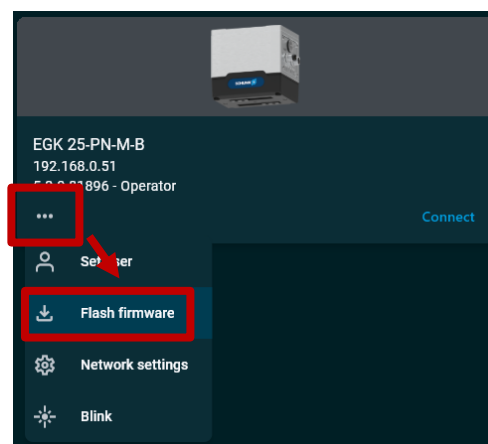
To download the current version of the SCHUNK Control Center scan the QR code or click www.schunk.com/downloads-software.



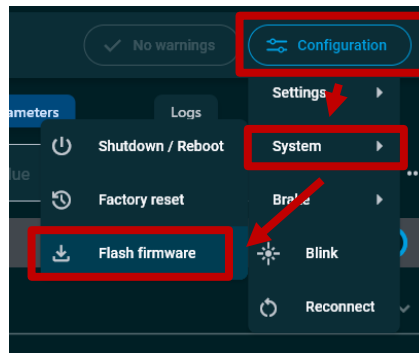
3. After the tool has been started, click on the application *Mechatronic Grippers* to searching your device.



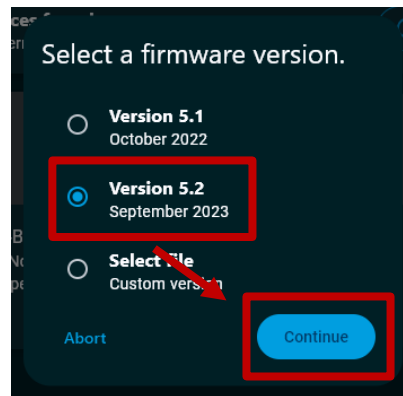
4a. If your device is found, click on the three dots of your device and then click on *Flash firmware*.



4b. If you are already connected to your module, click on *Configuration* located on the right-hand side of the window. Go to *System* and then click on *Flash firmware*.



5. In both cases (4a. and 4b.) a pop-up window will appear. Select the version you want to install and click *Continue*.



6. After the process is completed, the module needs to be restarted.

NOTE

The update process is only supported for modules with industrial ethernet communication. To communicate via an EtherCAT PLC EoE needs to be activated. Once you want to update a module with IO-Link or Modbus RTU interface, please contact the after sales service for support.



⚠ WARNING

Risk of injury from bruise!

During the update process from firmware version 5.1 to 5.2, the base jaws of the module will be moved. It is important to ensure that the area of movement is free of body parts. Furthermore, it is mandatory that no workpiece is held during the update process.

2 Release Notes

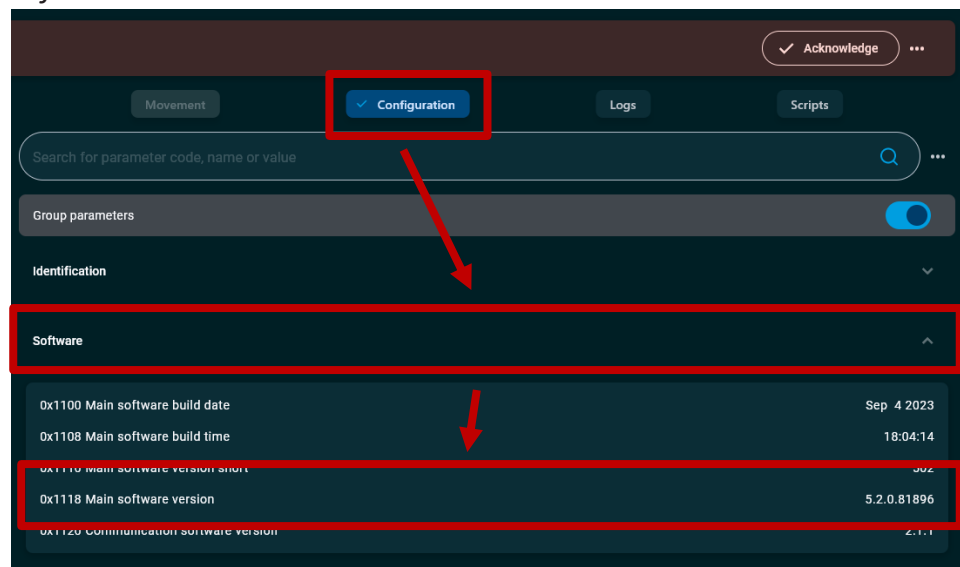
The release notes can be found in the supplied “release_notes.txt” file.

3 Check current firmware version

You can use the SCHUNK Control Center application *Mechatronic Grippers* to check the current firmware version of your module. You also can read a parameter acyclically to check the firmware version using your PLC.

3.1 Use Mechatronic Grippers

If you are connected to your device navigate to *Configuration* and click on the drop-down menu of the parameter group *Software*. Here you can find information about the installed firmware. You can read the current firmware version from the parameter *0x1118 Main software version*.



3.2 Use acyclic communication

You can read acyclically one of the following parameters, to check the current firmware version.

HEX 0x1118
DEC 4376

<sw_version_txt>

Description: Outputs the firmware version as text.

Access rights: Read

Data type: CHAR[22]

Format: ASCII-String

HEX 0x1110

DEC 4368

<sw_version_num>

Description: Outputs the short firmware version as number.

Access rights: Read

Data type: UINT16

4 Appendix

4.1 Common informations

Trademarks

The following applies to this document and all files supplied:

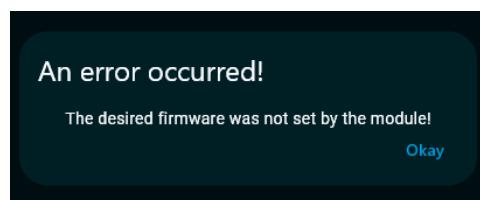
- Profinet is a brand of PROFIBUS Nutzerorganisation e.V.
- EtherNet/IP is a trademark of ODVA, Inc.
- EtherCAT is a registered trademark and patented technology licensed by Beckhoff Automation GmbH, Germany.
- IO-Link is s brand of PROFIBUS Nutzerorganisation e.V.
- Modbus RTU is a brand of the Modbus Organization.

Applicable documents

General terms of business (this document can be downloaded from [schunk.com](https://www.schunk.com).)

4.2 Known issues

Due to a technical issue, the firmware up-/downgrade may be canceled. In this case, the following pop-up window will appear.



Quit by clicking on *Okay* and execute the firmware up-/downgrade again.

SCHUNK SE & Co. KG
Clamping and gripping technology

Bahnhofstr. 106 - 134

D-74348

Lauffen/Neckar

Tel. +49-7133-103-0

Fax +49-7133-103-2399

info@de.schunk.com

schunk.com

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