

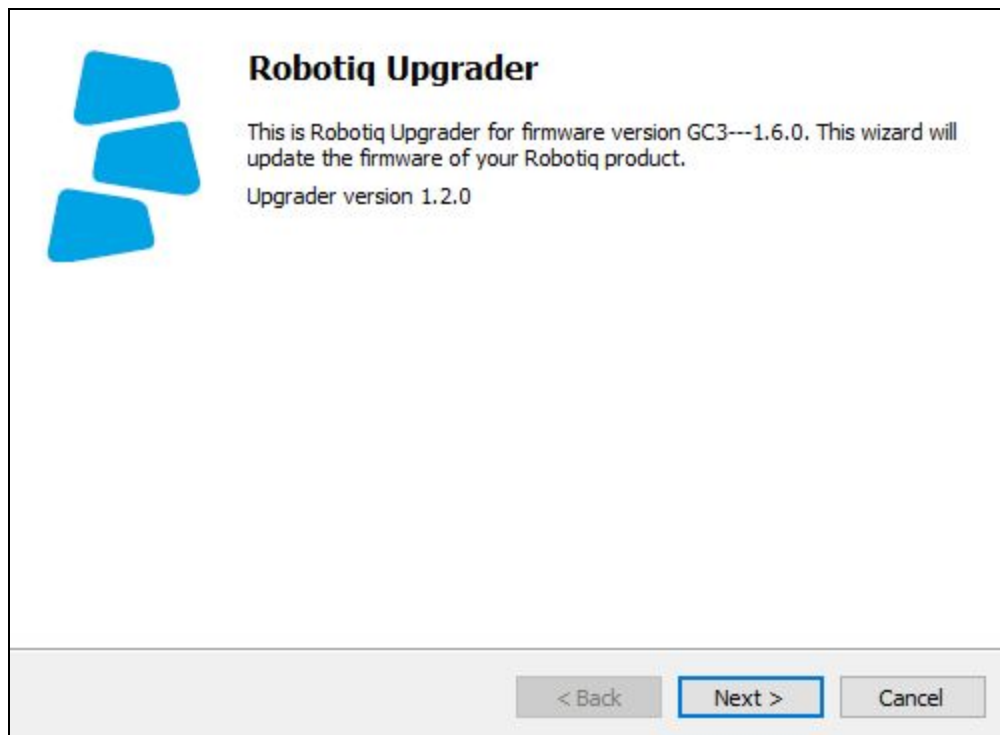
2F-85 and 2F-140 Firmware Upgrade Procedure

This procedure describes how to upgrade the firmware of a 2F-85 or 2F-140 Adaptive Gripper. The firmware upgrade is only recommended if a specific issue is encountered with the Gripper. Contact support@robotiq.com to see if a firmware upgrade is required for your Gripper.

Prerequisites

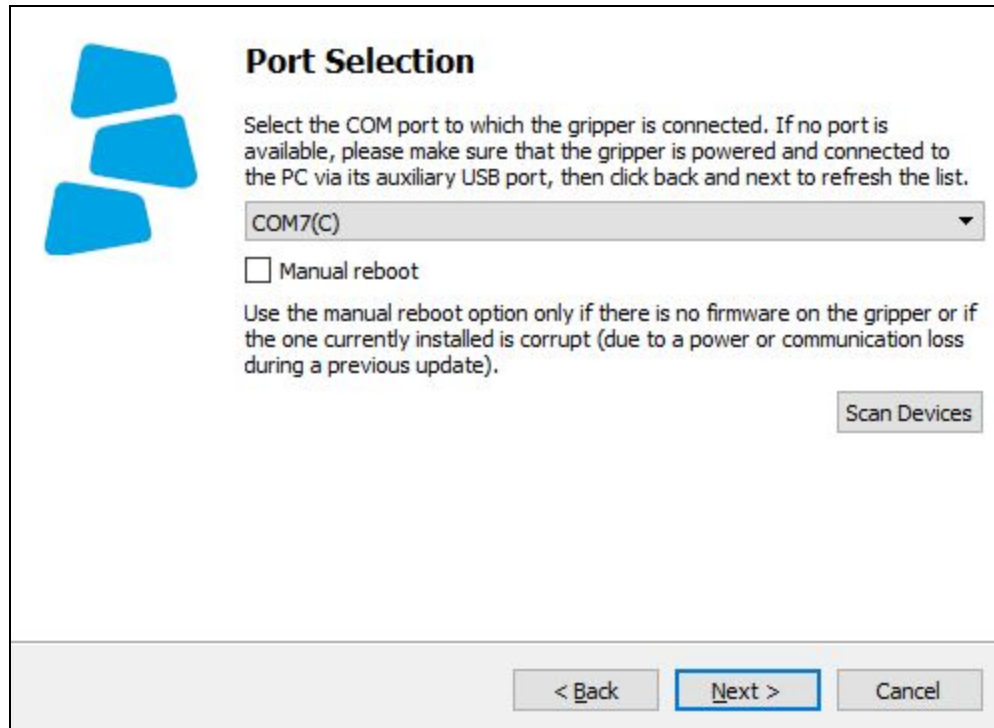
- A 2F-85 or 2F-140 Adaptive Gripper with a standard coupling, powered with 24 V and connected to a PC using a USB to RS-485 converter;
 - Note: the firmware upgrade is not possible when using the Wrist Camera or an e-series coupling together with the Adaptive Gripper;
- A PC operating on Windows 7 or 10;
- An up-to-date version of the Robotiq Upgrader software, provided by Robotiq Technical Support.

Step 1: Launch the software and verify the firmware version.



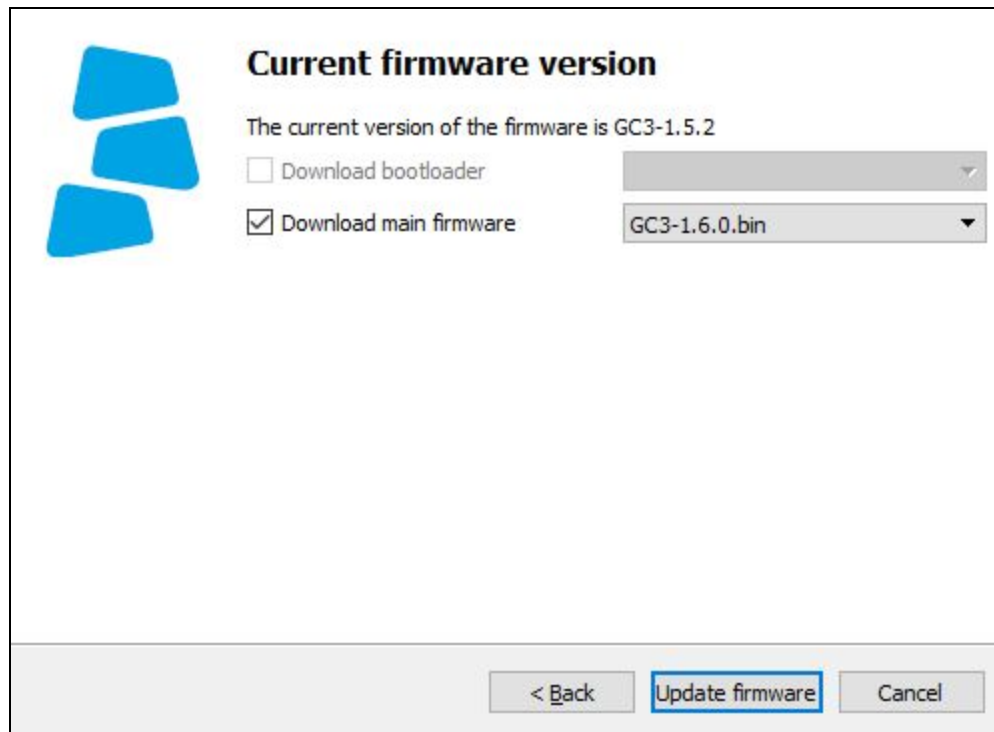
START PRODUCTION FASTER

Step 2: Select the COM port associated with the Gripper. In most situations, only one Gripper is connected. Leave the **Manual Reboot** checkbox unticked. Click **Next**.

A screenshot of a software dialog box titled 'Port Selection'. On the left is the Robotiq logo. The main text reads: 'Select the COM port to which the gripper is connected. If no port is available, please make sure that the gripper is powered and connected to the PC via its auxiliary USB port, then click back and next to refresh the list.' Below this is a dropdown menu showing 'COM7(C)'. There is an unchecked checkbox labeled 'Manual reboot' with a sub-note: 'Use the manual reboot option only if there is no firmware on the gripper or if the one currently installed is corrupt (due to a power or communication loss during a previous update)'. A 'Scan Devices' button is on the right. At the bottom are three buttons: '< Back', 'Next >' (highlighted with a blue border), and 'Cancel'.

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Step 3: Check the **Download main firmware** box. Click **Next**.

A screenshot of a software dialog box titled "Current firmware version". On the left is the Robotiq logo. The main text reads "The current version of the firmware is GC3-1.5.2". Below this are two checkboxes: "Download bootloader" (unchecked) and "Download main firmware" (checked). To the right of these checkboxes are two dropdown menus; the top one is empty and the bottom one shows "GC3-1.6.0.bin". At the bottom of the dialog are three buttons: "< Back", "Update firmware" (highlighted with a blue border), and "Cancel".

Current firmware version

The current version of the firmware is GC3-1.5.2

Download bootloader

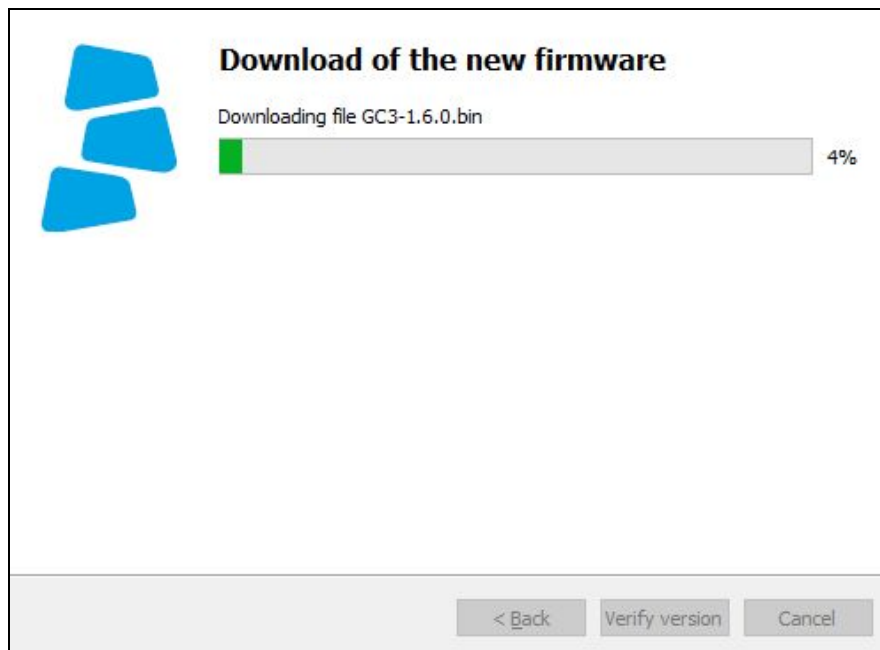
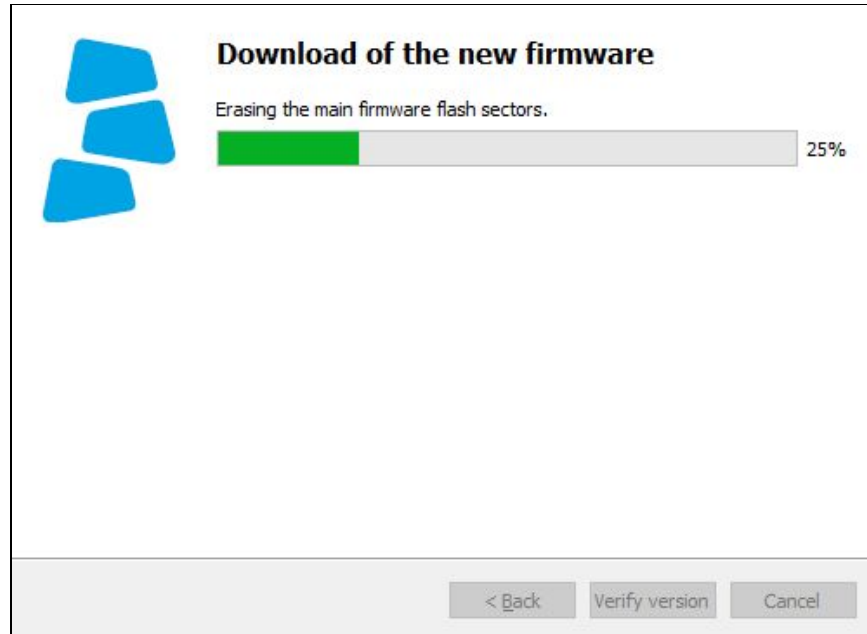
Download main firmware

GC3-1.6.0.bin

< Back Update firmware Cancel

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Step 4: Let the software erase the Gripper memory and upgrade the firmware.



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Step 5: Click on Verify version.

Make sure the firmware version installed on the Gripper corresponds to your requirements.

