MCS Firmware Update

Installation Guide

The MCS Firmware Uploader may be used to update your MCS Controller with new firmware (or even downgrade to older firmware).

Connect the MCS controller to your PC and power it up. Then start the upload tool (MCSFirmwareUploader.exe).
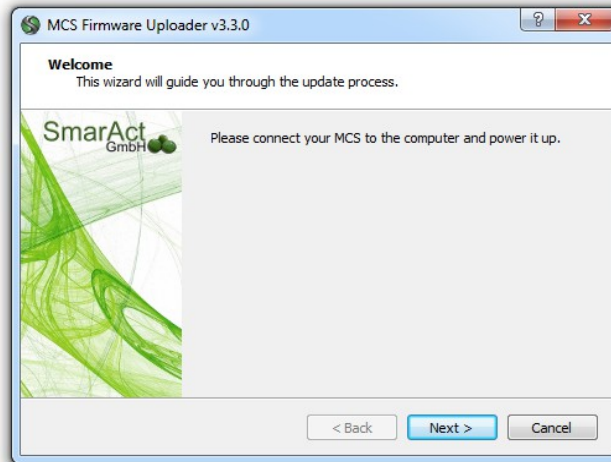

Click "Next".
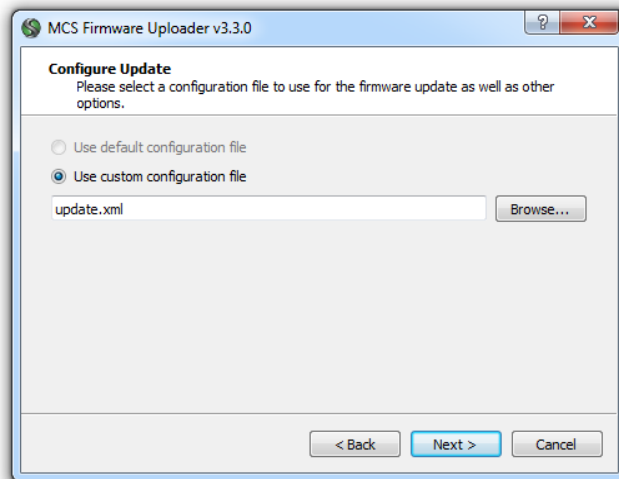
On this page you may select the configuration that is used to update the controller. If there is an update configuration file (update.xml) in the same directory as the upload tool then you may use it as default. Alternatively, you may select "Use custom configuration file" and then browse for a configuration file manually.

Depending on the product variant, the MCS is connected to the PC via different interfaces.

- If you have a USB device select one of the "usb:id:123456789" entries from the menu where "123456789" must match the system ID of the MCS you want to update.
  Please note that USB devices also install a virtual COM port on your PC, but cannot be connected by selecting the COM port from the menu.

- If you have a RS232 device select one of the "serial:COM1" menu entries where COM1 must be the COM port that the MCS is connected to.

- If you have a MCS with network interface, enter its *locator* string in the text field. A locator string for network controllers has the format:
  "network:192.168.1.200:5000"
  where 192.168.1.200 is the IP address and 5000 the port of the MCS. The IP address and port must match the network address that the MCS network interface has been configured for.

Please select the interface for your MCS and click "Next". The upload tool will then connect to the MCS.
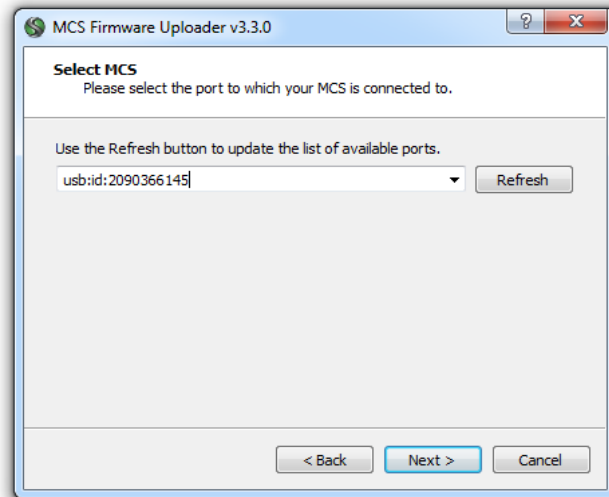
The "Configure Update" page shows a list of all controller components within the MCS.
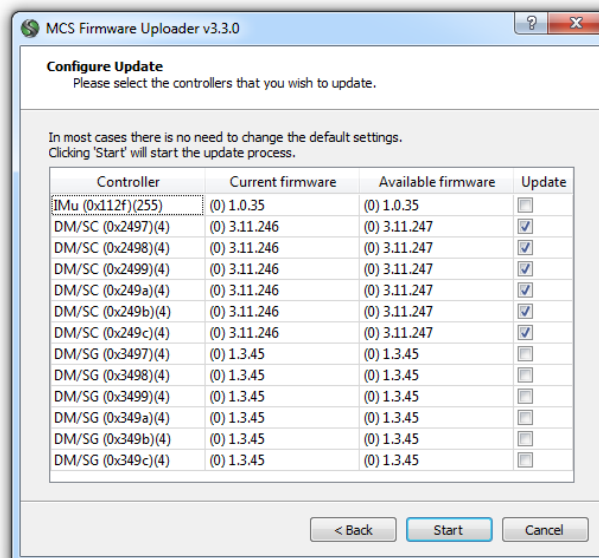
The number of rows and the contents of the columns "Controller" and "Current firmware" are fix and depend on the MCS connected to. The contents of the column "Available firmware" depend on the previously selected update configuration. The "Update" column lets you select which controllers to update. By default the update tool selects all controllers where newer firmware is available. In the figure above all controllers are up to date so none are selected.

In some cases there are several different firmwares available for a given controller. This is indicated by the "[...]" symbol. To select a specific firmware for these controllers click on the cell and select a firmware from the drop down box as seen in the figure below.
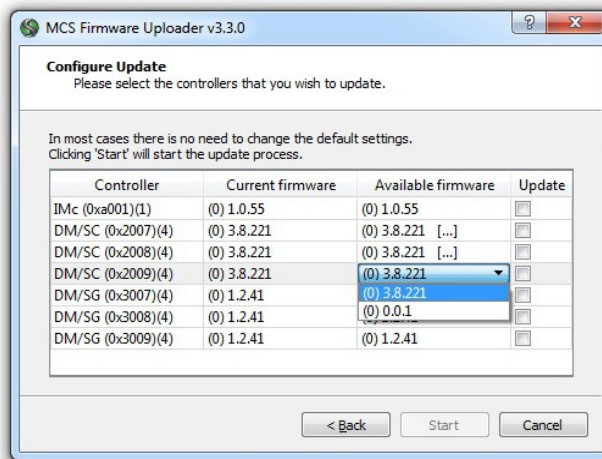
To start the update select one or more controllers in the "Update" column and click the "Start" button.

> **Warning:** Please note that once the update is started the update process must not be interrupted. Otherwise the MCS firmware might become damaged. Therefore, it should be checked that the power supply plug and the data cable are connected properly.

Depending on the number of controllers selected for update the firmware update process may take several minutes to complete.
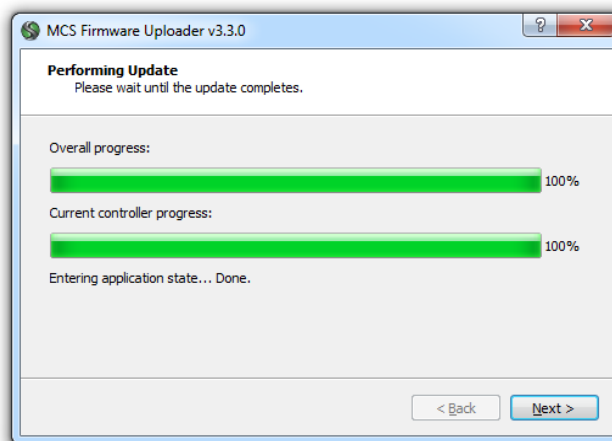
Wait until the update is complete and then click "Next".