



## Howto

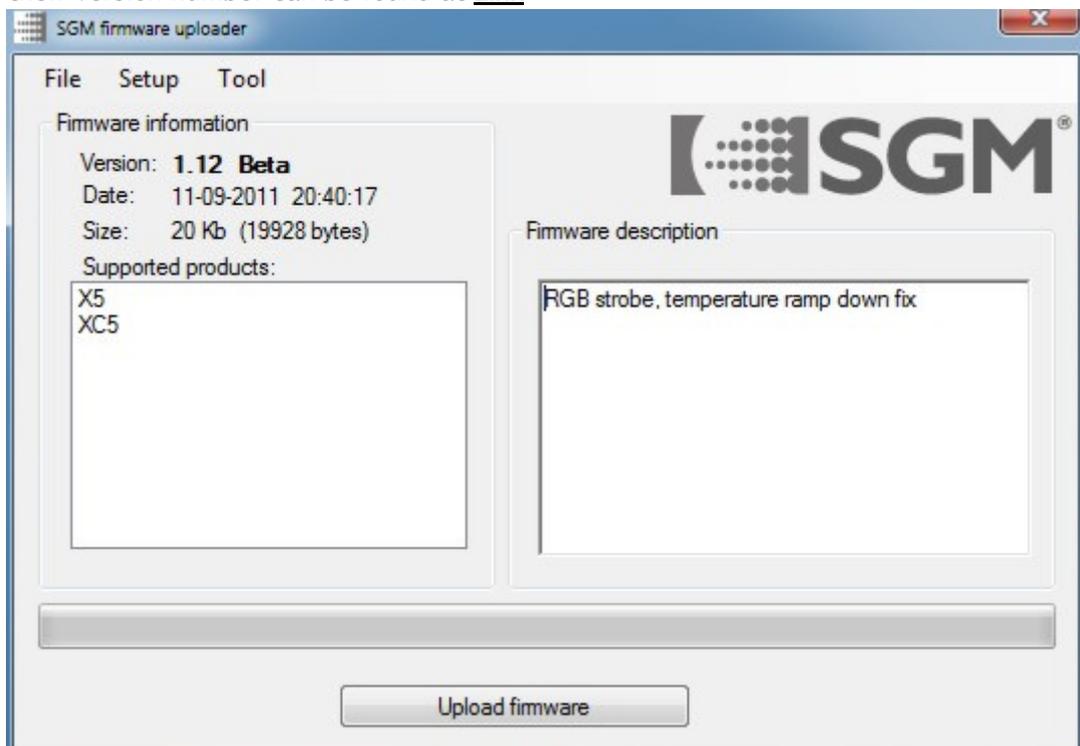
### Upgrading firmware

In some cases it can be necessary to upgrade the product firmware to ensure the flawless use. SGM's products have a so called boot loader installed which makes it possible to upgrade the firmware remotely via the controller DMX link.

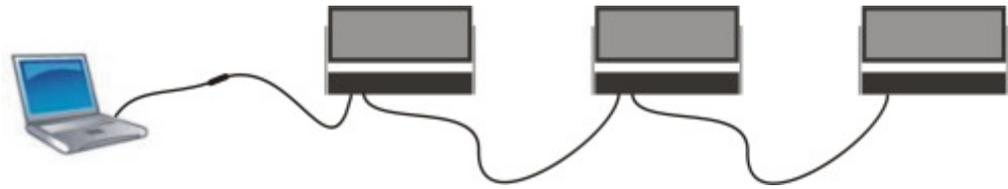
This document describes how to upload the firmware.

To update the firmware of a fixture you need to install the firmware upload software and use the SGM service cable.

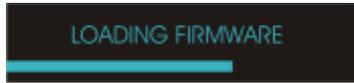
1. Download the SGM firmware tool for windows on: [Link](#)
2. Install the firmware tool
3. Run the firmware tool
4. Click file and open a firmware file that fits your products. Firmware files and their version number can be found at [Link](#)



5. Connect the SGM service cable to the controller DMX link to one or all products.



6. Press  button to upload firmware.
7. Check that firmware is being loaded into the products.



If a product already has a firmware installed will it not load the same version again. The display will then show "ALREADY INSTALLED".

If an upload fails the display will flash "FIRMWARE NOT LOADED", and another attempt to upload firmware again by clicking on the  button.

Every time a product is powered on will the version of the installed software be shown in the display for the first 3 seconds, as shown below.

