



DARC : vision

ENCODER FIRMWARE
UPGRADE GUIDE via USB




SCYRON

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Upgrading the firmware using a USB Pen Drive

Certain steps must be followed precisely - any such step will be preceded by the exclamation symbol .

1. Insert the USB Pen Drive (supplied to you with the Encoder) into an empty USB socket on your computer
2. Delete any existing files from the USB Pen Drive.
3. Copy the .firmware file you downloaded onto the root of your USB Pen Drive.
4.  Using the eject icon on your taskbar  safely eject the USB Pen Drive - click the icon once and select your Pen Drive from the list (*Failure to perform this step can corrupt the firmware file*).
5. Insert the USB Pen Drive into the Encoder (and power the Encoder if you haven't already).
6. Once the Encoder has detected the Pen Drive (this can take up to the 15 seconds) you should observe on the status lights an orange light bouncing from left to right and back again for approximately 1 minute.
7.  Only once all of the status lights have turned red or green is the flashing complete.
 - All Green lights means the firmware was upgraded and you can proceed - carry on to the next step.
 - All Red lights means there was a problem flashing the firmware. Please see the **Red status light recovery procedure** section below.
8. Eject the USB Pen from the Encoder and reset the Encoder. The Encoder should now re-power using the new firmware.
9. Once the Encoder has reconnected to the Server use DARC vision Manager to check that the reported firmware is what you expect.

Red status light recovery procedure

The Encoder performs various safety checks during upgrade to ensure that you can't incorrectly flash upgrade your Encoder. You should try each of the following steps in turn to try resolve the issue:

- Firstly eject the Pen Drive, reset the Encoder and try the upgrade process again.
- Insert the Pen Drive into your computer, ensure that there are no other DARC vision software/configuration files on the pen then eject the Pen Drive and try again.
- Reformat the Pen Drive in your computer, copy the firmware file on again and try again.
- Download the firmware file again incase the firmware file is corrupt. Again copy the file to your Pen Drive and try flashing again.
- Try using a different Pen Drive if possible.

If you are still having issues you should now contact Scyron for further assistance.