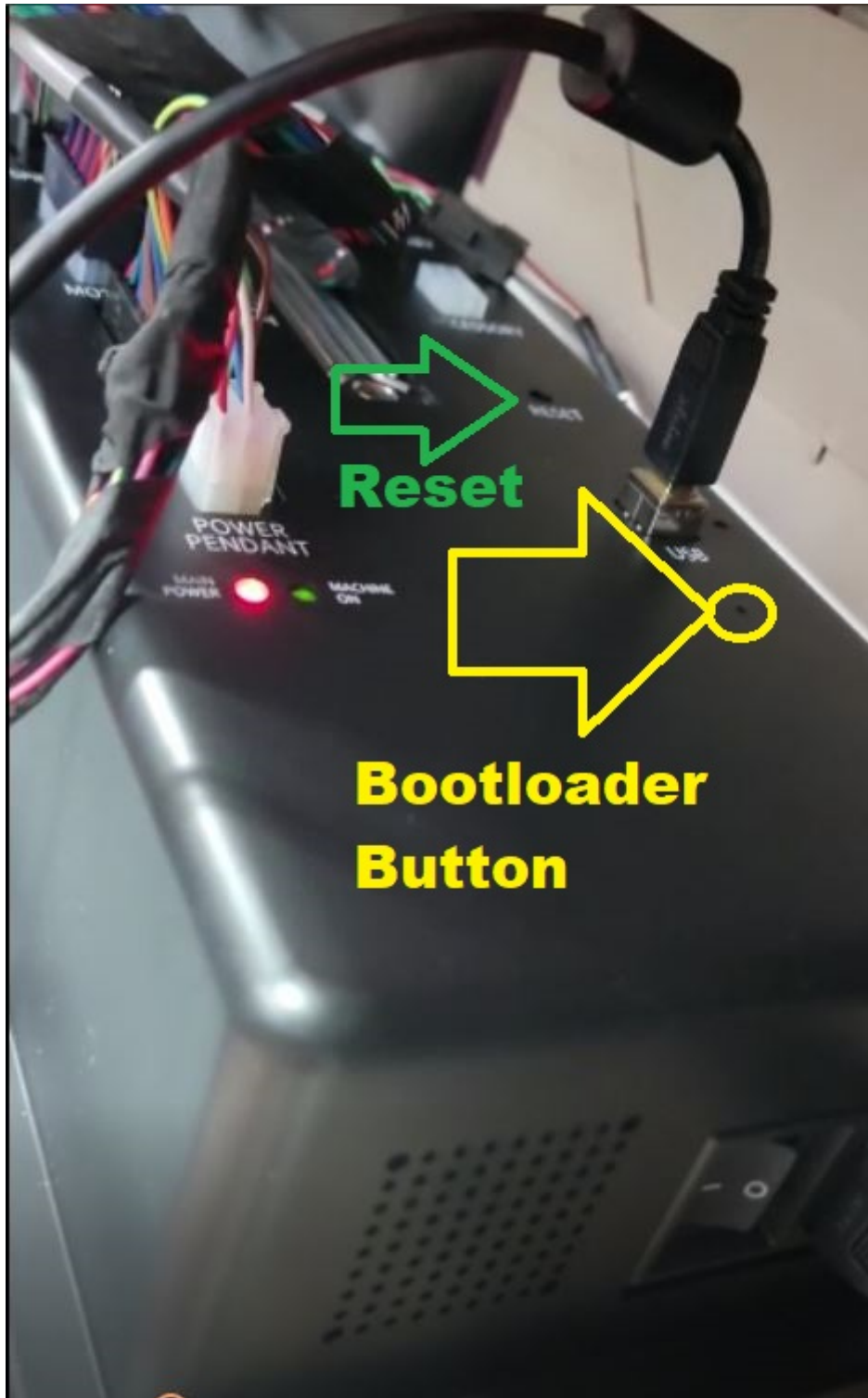


## S5 Pro - How to update the firmware from Chrome

First with your Shapeoko plugged in and turned on put the controller in DFU mode.

1. Press and hold the Bootloader button.
2. Press and release the Reset button.
3. Release the Bootloader button.

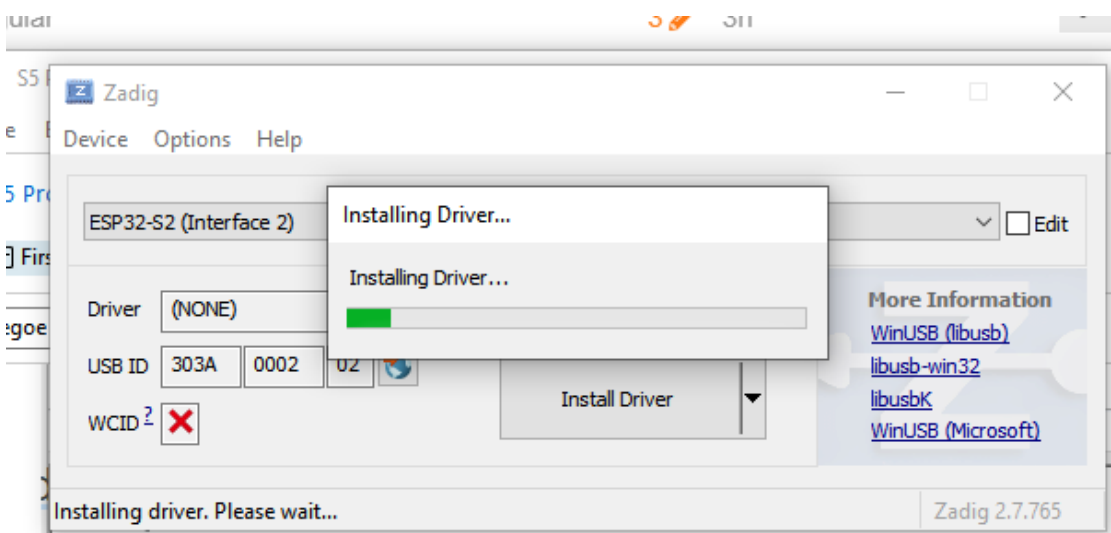
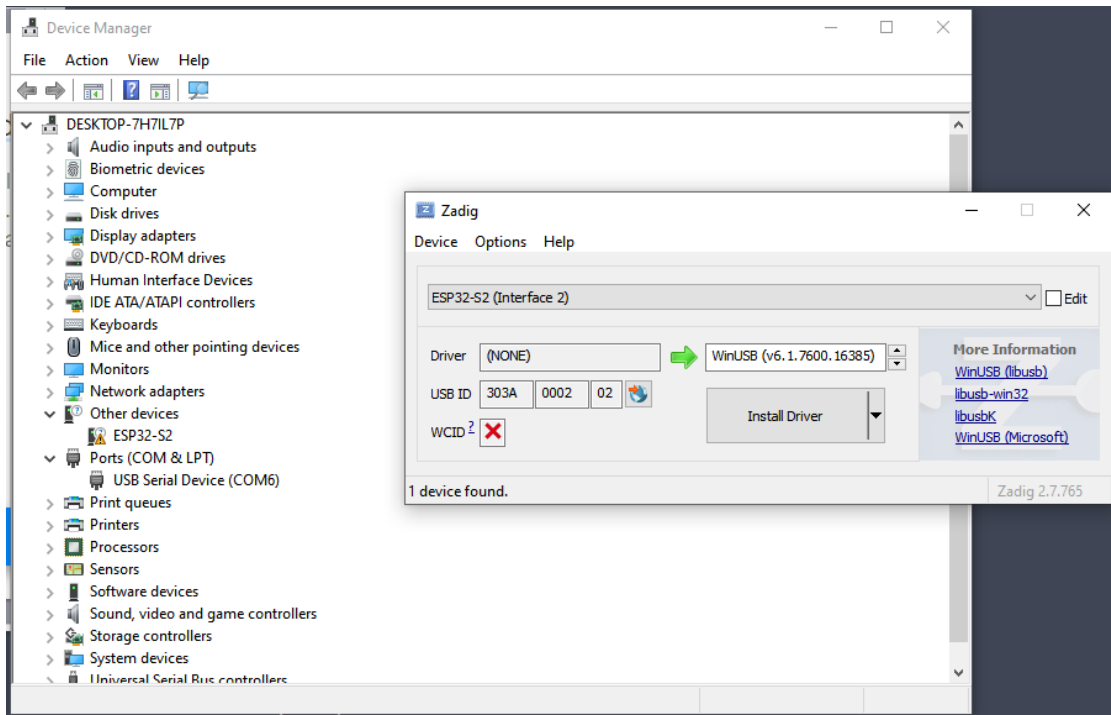


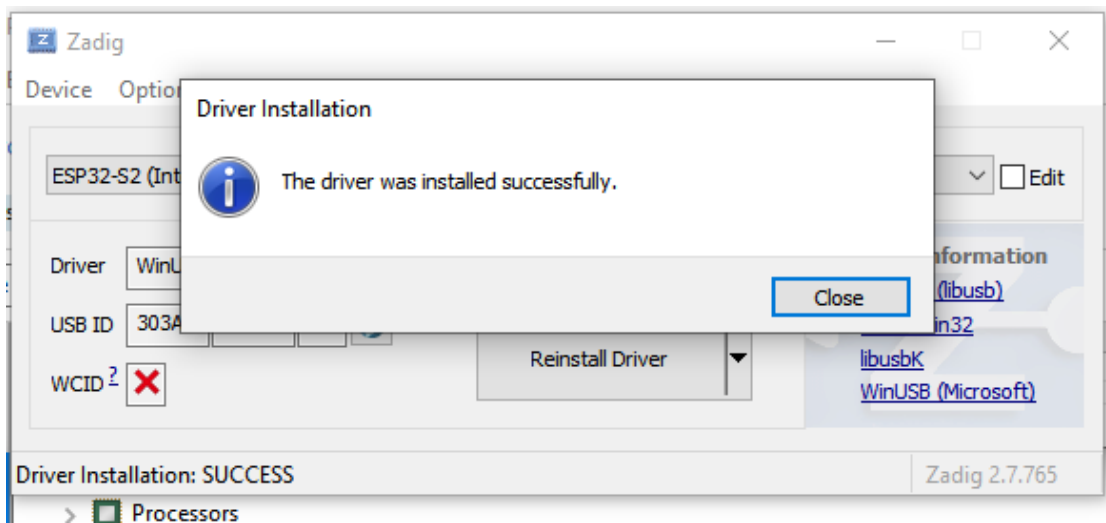
Check you see the ESP-32 interface in Device Manger

Now Download Zadig from <https://zadig.akeo.ie/>

Open the program

4. In Zadig, pull down the device selection box.
5. Select the ESP32-S2.
6. Press the Install Driver button.





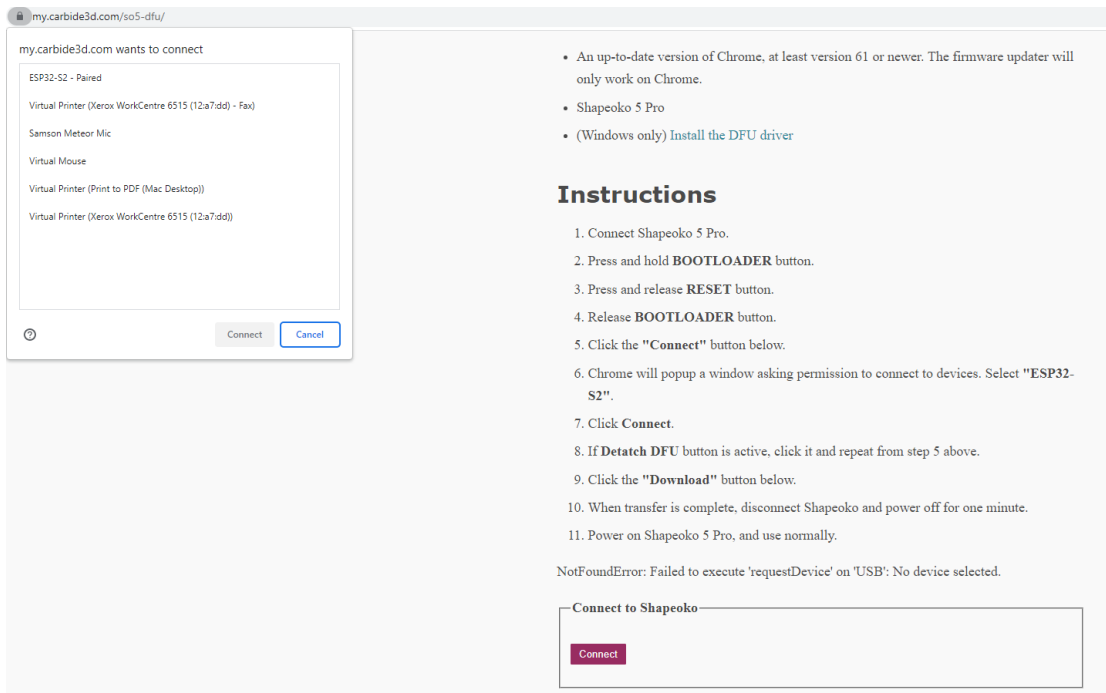
Click Close, then exit the program with the X in the upper right corner.

go to the website -

<https://my.carbide3d.com/so5-dfu/>

Scroll down and click "connect"

A list of devices will pop up, select the one that says ESP32-s2 by clicking on the letters "esp32"



Now click Connect in the dialog

my.carbide3d.com/so5-dfu/

my.carbide3d.com wants to connect

- ESP32-S2 - Paired
- Virtual Printer (Xerox WorkCentre 6515 (12a7d9d) - Fax)
- Samson Meteor Mic
- Virtual Mouse
- Virtual Printer (Print to PDF (Mac Desktop))
- Virtual Printer (Xerox WorkCentre 6515 (12a7d9d))

ⓘ

Connect Cancel

### INSTRUCTIONS

1. Connect Shapeoko 5 Pro.
2. Press and hold **BOOTLOADER** button.
3. Press and release **RESET** button.
4. Release **BOOTLOADER** button.
5. Click the **"Connect"** button below.
6. Chrome will popup a window asking permission to connect to devices. Select **"ESP32-S2"**.
7. Click **Connect**.
8. If **Detach DFU** button is active, click it and repeat from step 5 above.
9. Click the **"Download"** button below.
10. When transfer is complete, disconnect Shapeoko and power off for one minute.
11. Power on Shapeoko 5 Pro, and use normally.

NotFoundError: Failed to execute 'requestDevice' on 'USB': No device selected.

**Connect to Shapeoko**

Connect

**Device Information**

**Runtime mode**

Detach DFU

**Firmware Download**

Download

If you have Detach DFU - Click it,if not proceed to the second screen below

3. Press and release **RESET** button.
4. Release **BOOTLOADER** button.
5. Click the "**Connect**" button below.
6. Chrome will popup a window asking permission to connect to devices. Select "**ESP32-S2**".
7. Click **Connect**.
8. If **Detach DFU** button is active, click it and repeat from step 5 above.
9. Click the "**Download**" button below.
10. When transfer is complete, disconnect Shapeoko and power off for one minute.
11. Power on Shapeoko 5 Pro, and use normally.

#### Connect to Shapeoko

Disconnect

#### Device Information

**Name:** ESP32-S2

**MFG:** Espressif

**Serial:** 0

**Runtime:** [303a:0002] cfg=1, intf=2, alt=0, name="ESP32-S2" serial="0"

#### Runtime mode

Detach DFU

#### Firmware Download

Download

If you detached , click connect and repeat the steps to connect from the dialog, you will get this screen this time, or yo are already on this screen. Press Download

3. Press and release **RESET** button.
4. Release **BOOTLOADER** button.
5. Click the "**Connect**" button below.
6. Chrome will popup a window asking permission to connect to devices. Select "**ESP32-S2**".
7. Click **Connect**.
8. If **Detach DFU** button is active, click it and repeat from step 5 above.
9. Click the "**Download**" button below.
10. When transfer is complete, disconnect Shapeoko and power off for one minute.
11. Power on Shapeoko 5 Pro, and use normally.

#### Connect to Shapeoko

Disconnect

#### Device Information

**Name:** ESP32-S2

**MFG:** Espressif

**Serial:** 0

**DFU:** [303a:0002] cfg=1, intf=2, alt=0, name="ESP32-S2" serial="0"

#### Runtime mode

Detach DFU

#### Firmware Download

Download

The update begins like this

5. Click the "**Connect**" button below.
6. Chrome will popup a window asking permission to connect to devices. Select "**ESP32-S2**".
7. Click **Connect**.
8. If **Detach DFU** button is active, click it and repeat from step 5 above.
9. Click the "**Download**" button below.
10. When transfer is complete, disconnect Shapeoko and power off for one minute.
11. Power on Shapeoko 5 Pro, and use normally.

#### Connect to Shapeoko

Disconnect

#### Device Information

**Name:** ESP32-S2

**MFG:** Espressif

**Serial:** 0

**DFU:** [303a:0002] cfg=1, intf=2, alt=0, name="ESP32-S2" serial="0"

#### Runtime mode

Detach DFU

#### Firmware Download

Download

Copying data from browser to DFU device



and ends like this

9. Click the "**Download**" button below.
10. When transfer is complete, disconnect Shapeoko and power off for one minute.
11. Power on Shapeoko 5 Pro, and use normally.

#### Connect to Shapeoko

Disconnect

#### Device Information

Name: ESP32-S2

MFG: Espressif

Serial: 0

DFU: [303a:0002] cfg=1, intf=2, alt=0, name="ESP32-S2" serial="0"

#### Runtime mode

Detach DFU

#### Firmware Download

Download

Copying data from browser to DFU device



Wrote 694176 bytes

Manifesting new firmware

**Error during reset for manifestation: NetworkError: Failed to execute 'reset' on 'USBDevice': Unable to reset the device.**

That's it, power it off , unplug the USB, wait a minute, power it up, plug the USB in and open carbide Motion

Enjoy!