User manual

ddm hopt+schuler

582

Purpose of the Document

The contents of this document are subject to revision without notice due to continued progress in methodology, design and manufacturing.

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This document serves as a summary of our Device Portal documentation for the 582, containing relevant commands. It does not claim to be exhaustive. The complete document is available in our Test Software “Device Portal”.

You can download the “Device Portal” with the following Link:

Device Portal

Note: To use the Device Portal on Windows, the necessary drivers must also be installed.

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1. Download Software

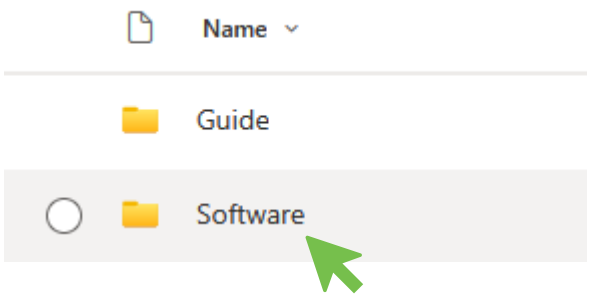
With purchasing our SDK you will get the link to our complete Documentation. To download our Device portal, follow the steps below.

Note for some Device you also need a Driver specially for Windows.

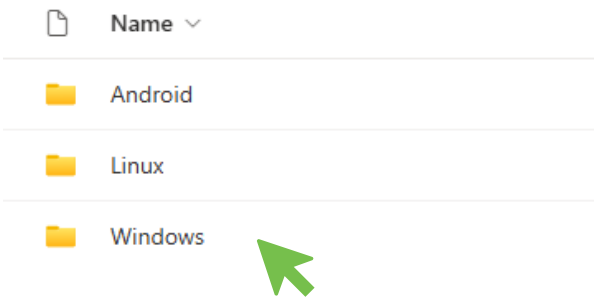
1.1 Install ddm Device Portal

Please use the following Link to download our Device Portal:

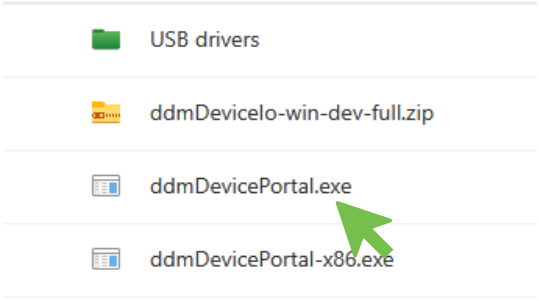
Device Portal



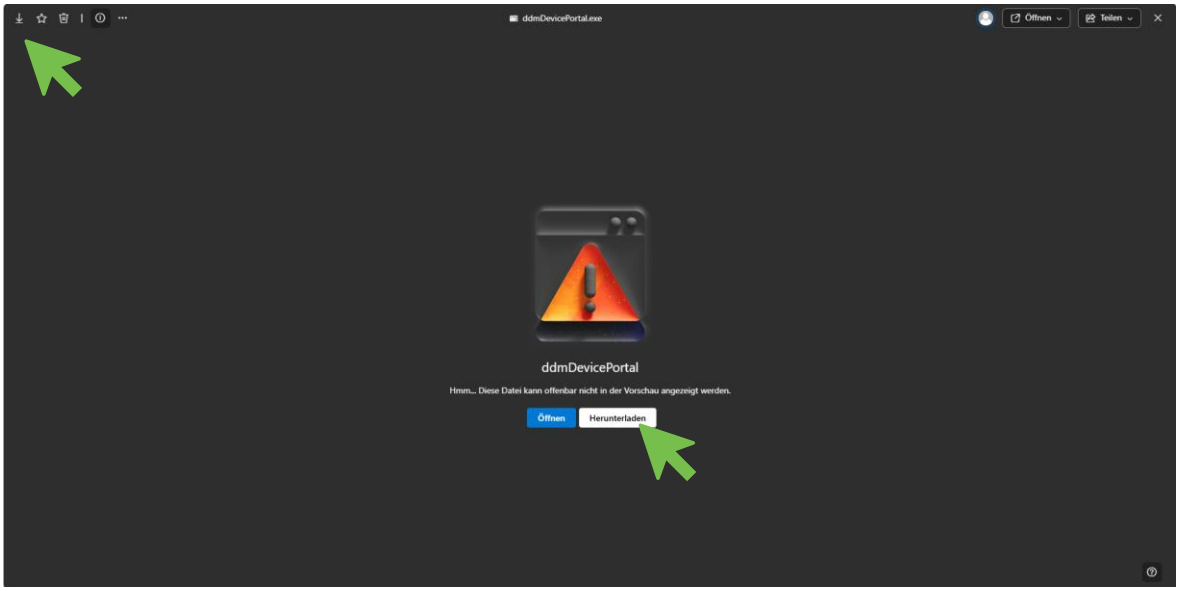
- Click on “Software”



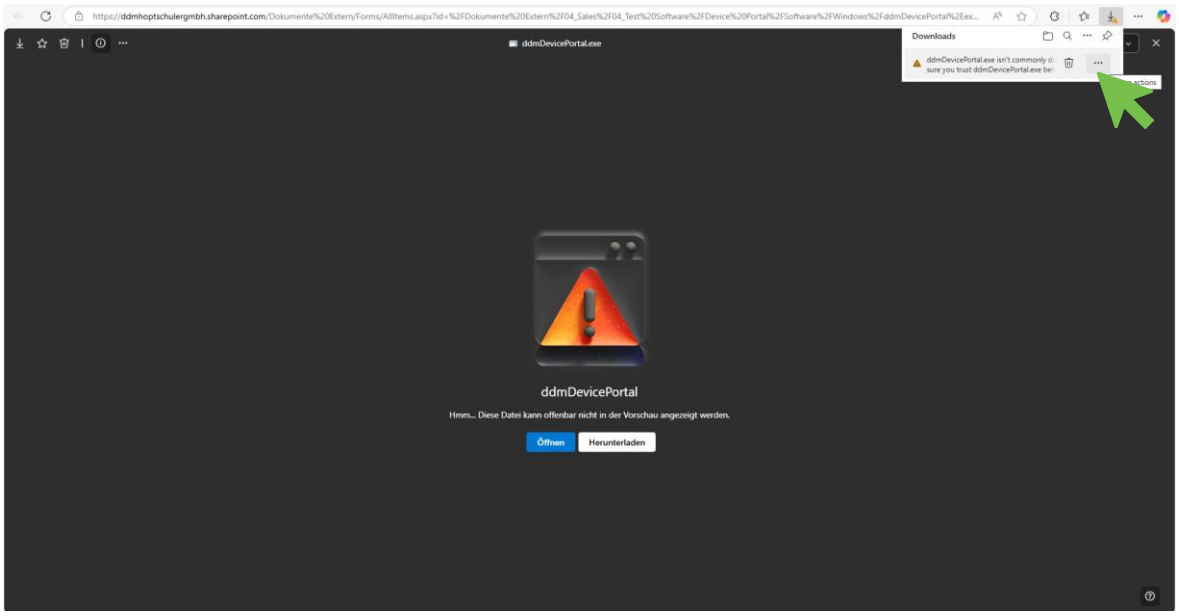
- Click on your operating System (we use Windows)



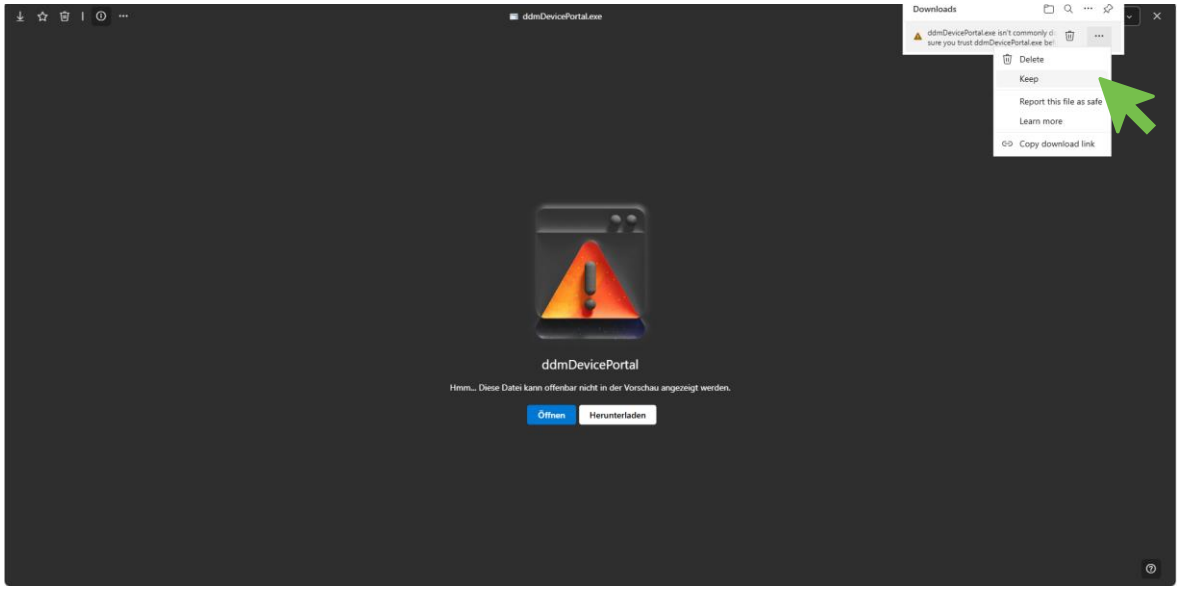
- Click on “ddmDevicePortal.exe.url”



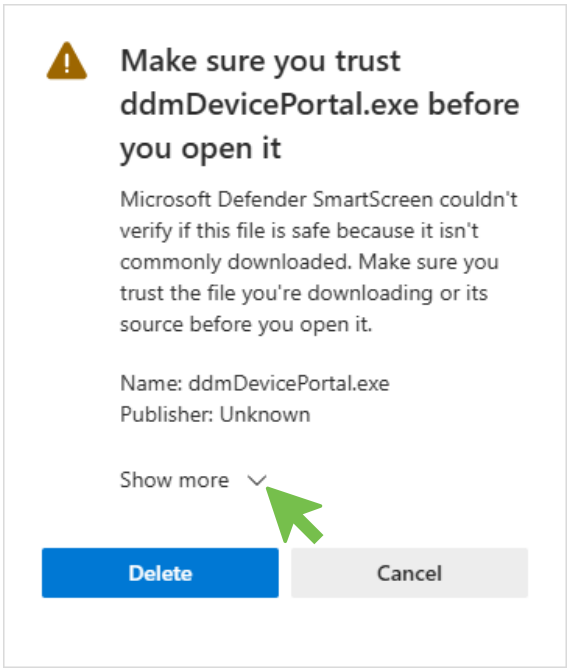
- Click on one of the two “Download” buttons



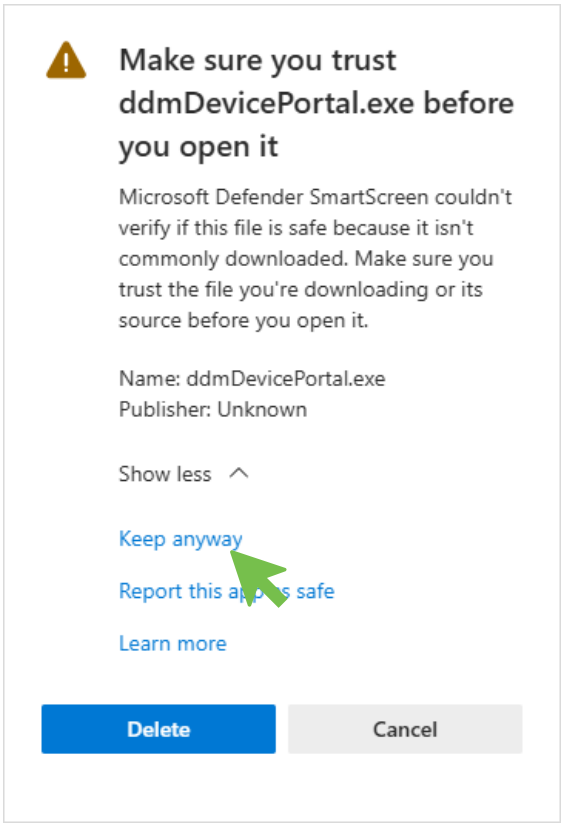
- Click on “More actions”



- Click on “Keep”



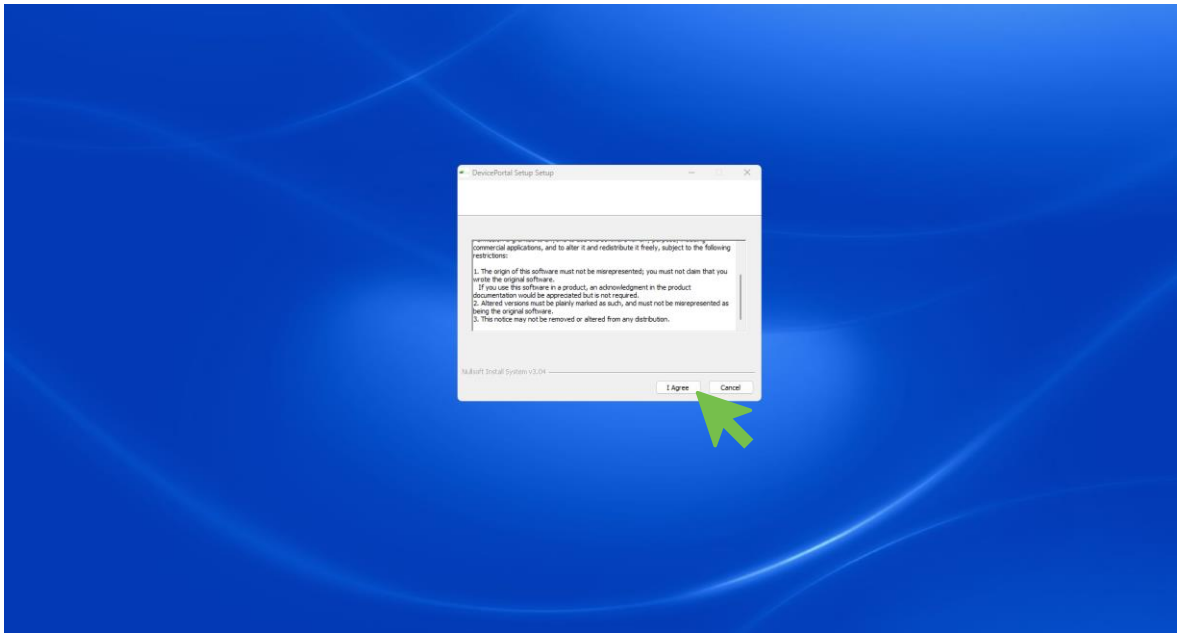
- Click on “Show more”



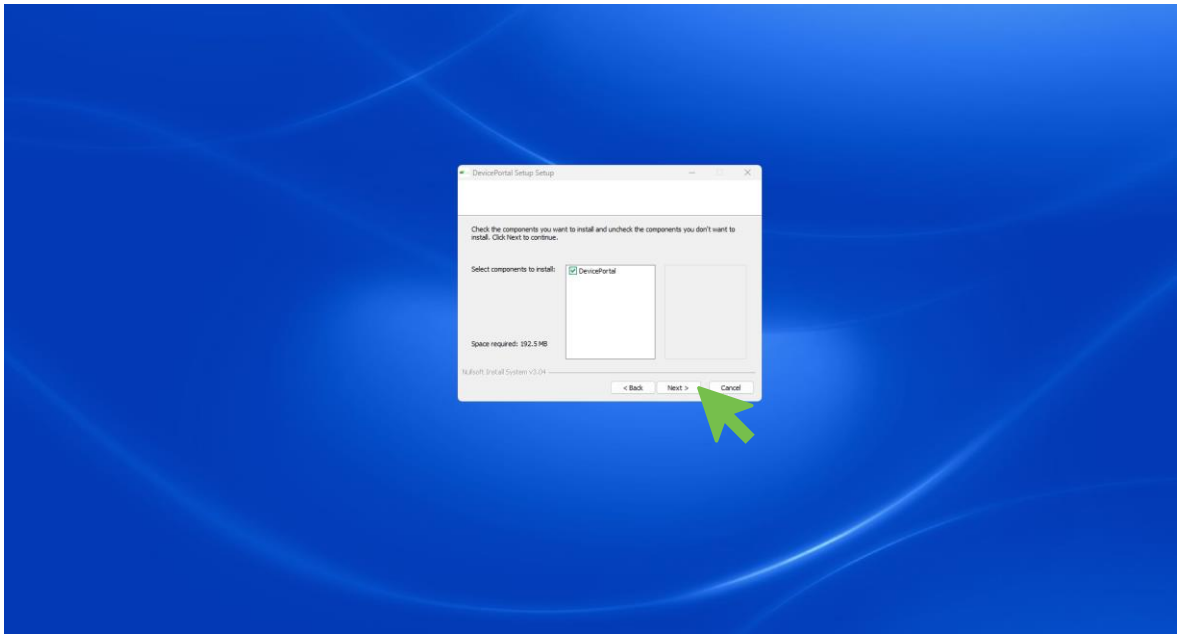
- Click on “Keep anyway”

- Click on “Open file”

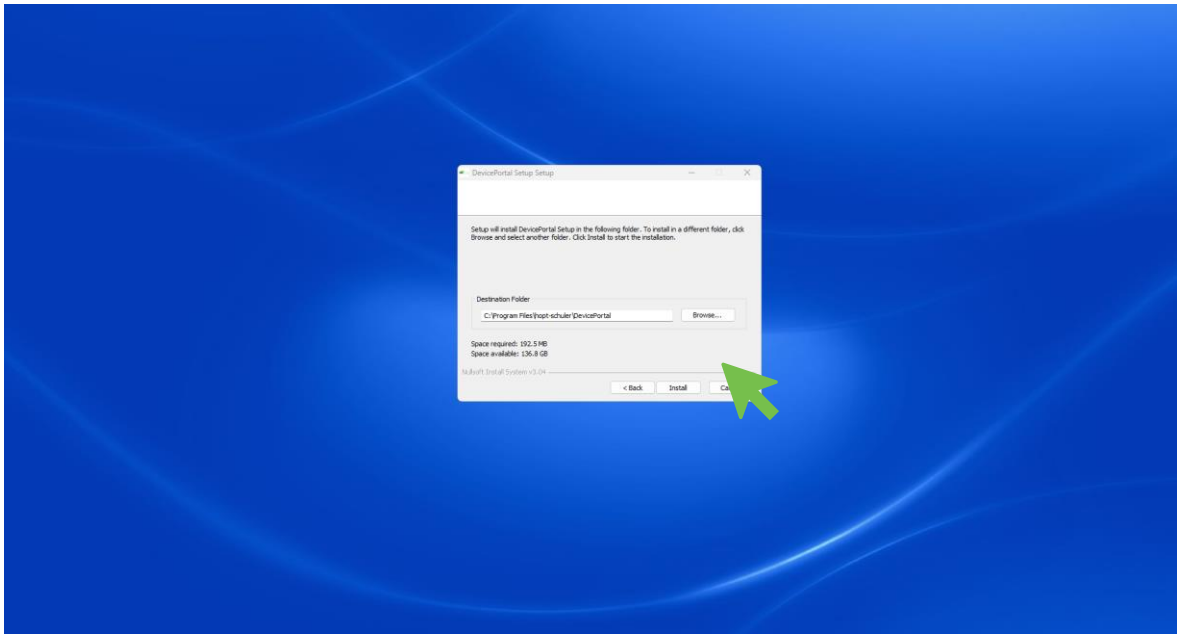
- Select your Language and click “OK”



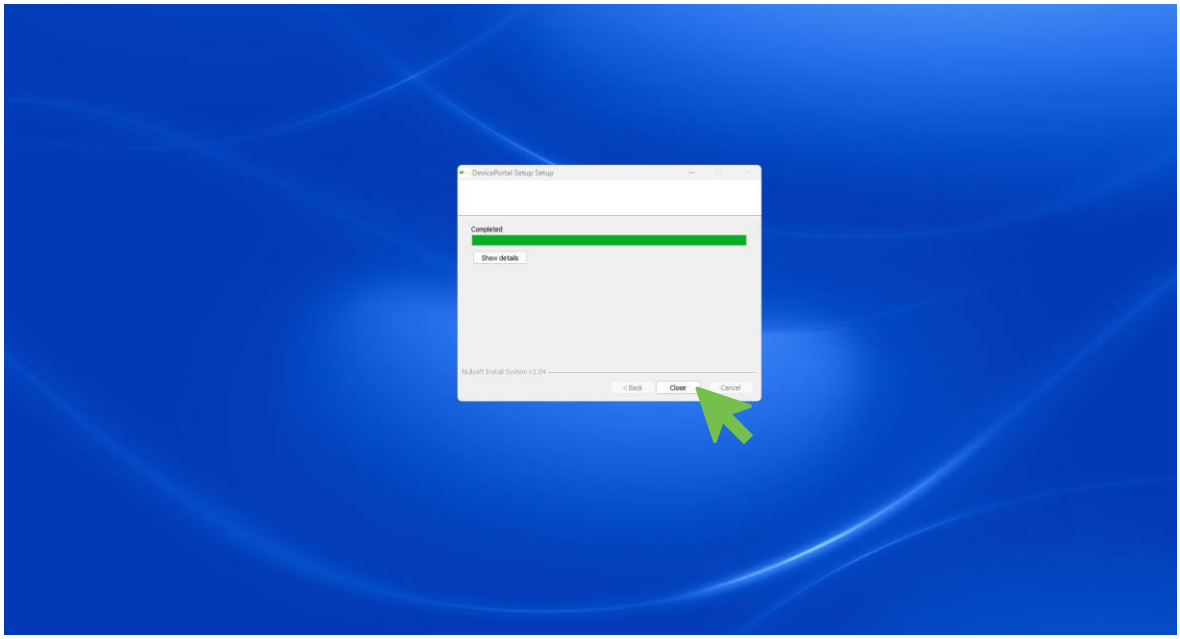
- Read the Copyright Info and click on “I Agree”



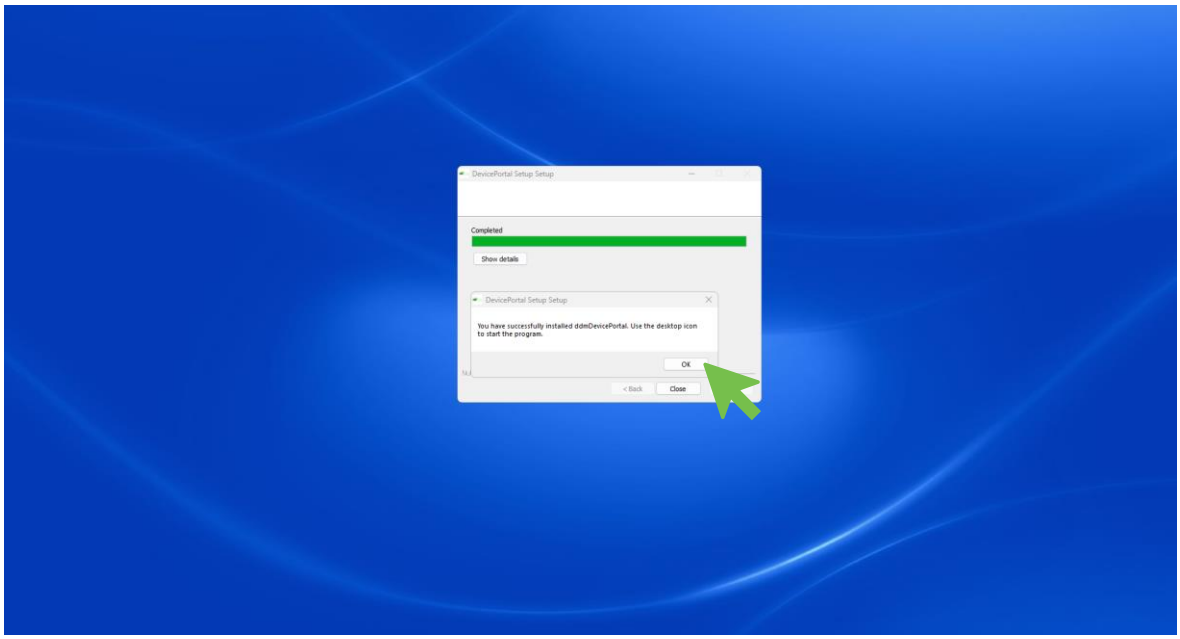
- Click on “Next”



- Click on “Install”



- Click on “Close”



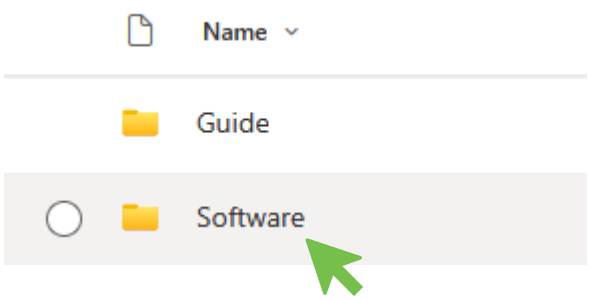
- Click on “OK”

- Now you have successfully installed the ddm Device Portal

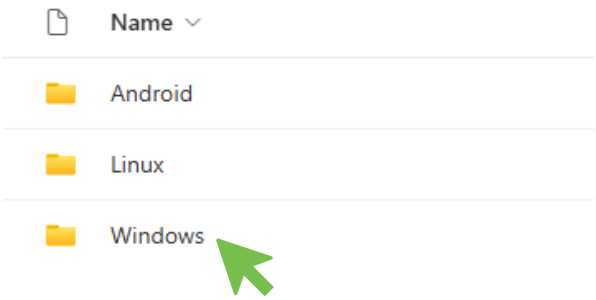
1.2 Install Driver 582

Please use the following Link used to download our Device Portal:

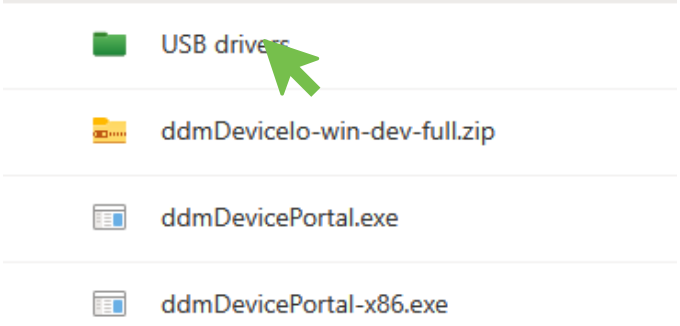
DevicePortal



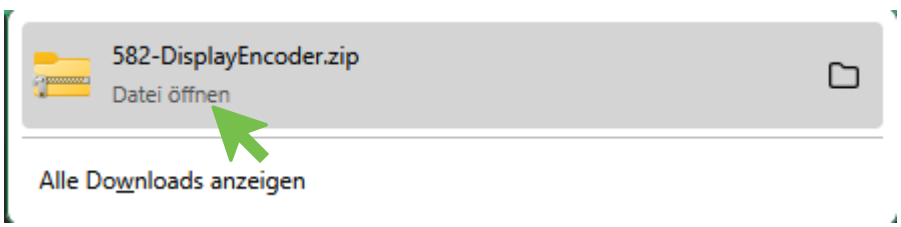
- Click on “Software”



- Click on your operating System (we use Windows)

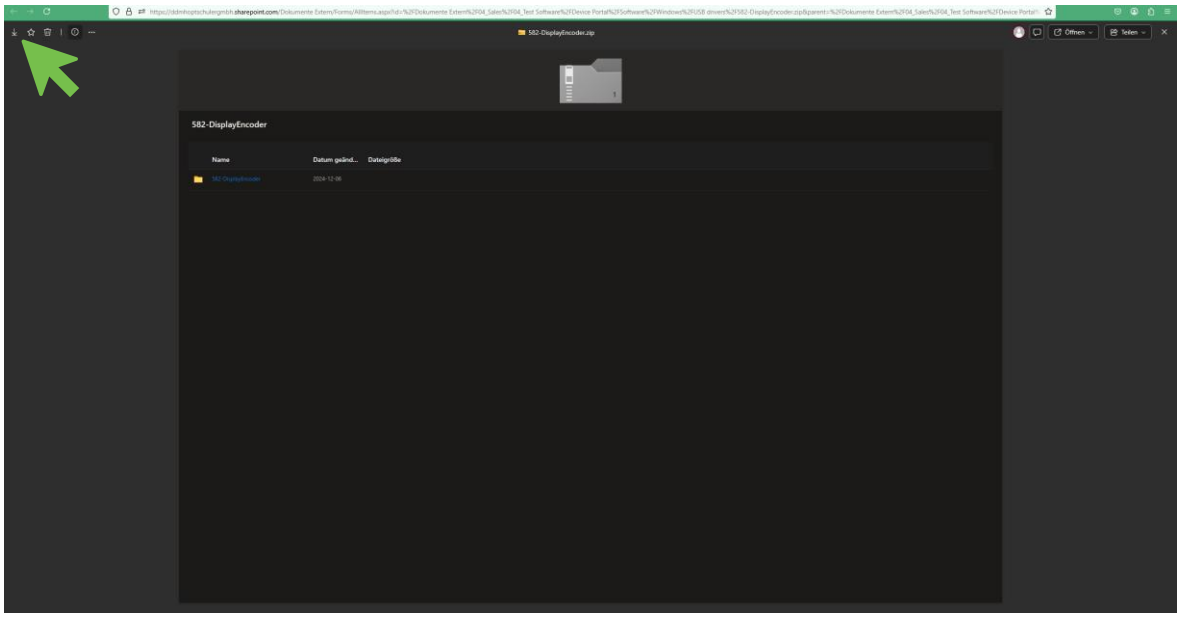


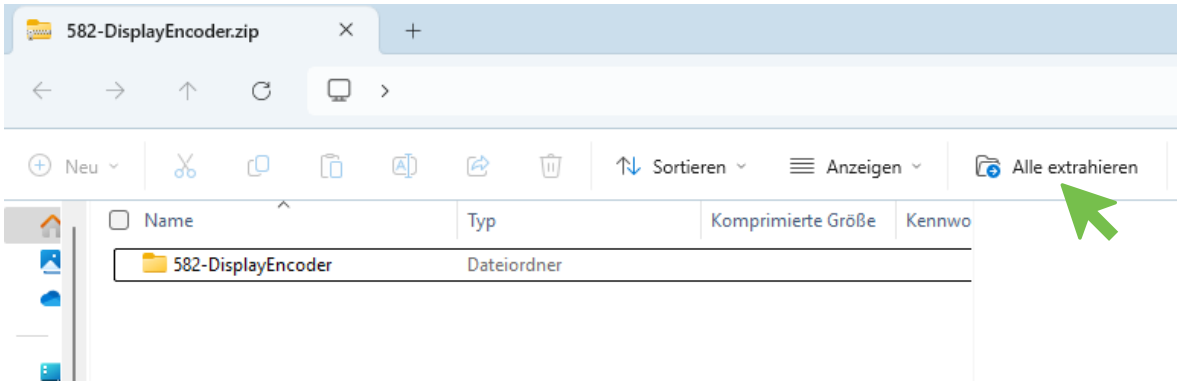
- Click on “USB drivers”



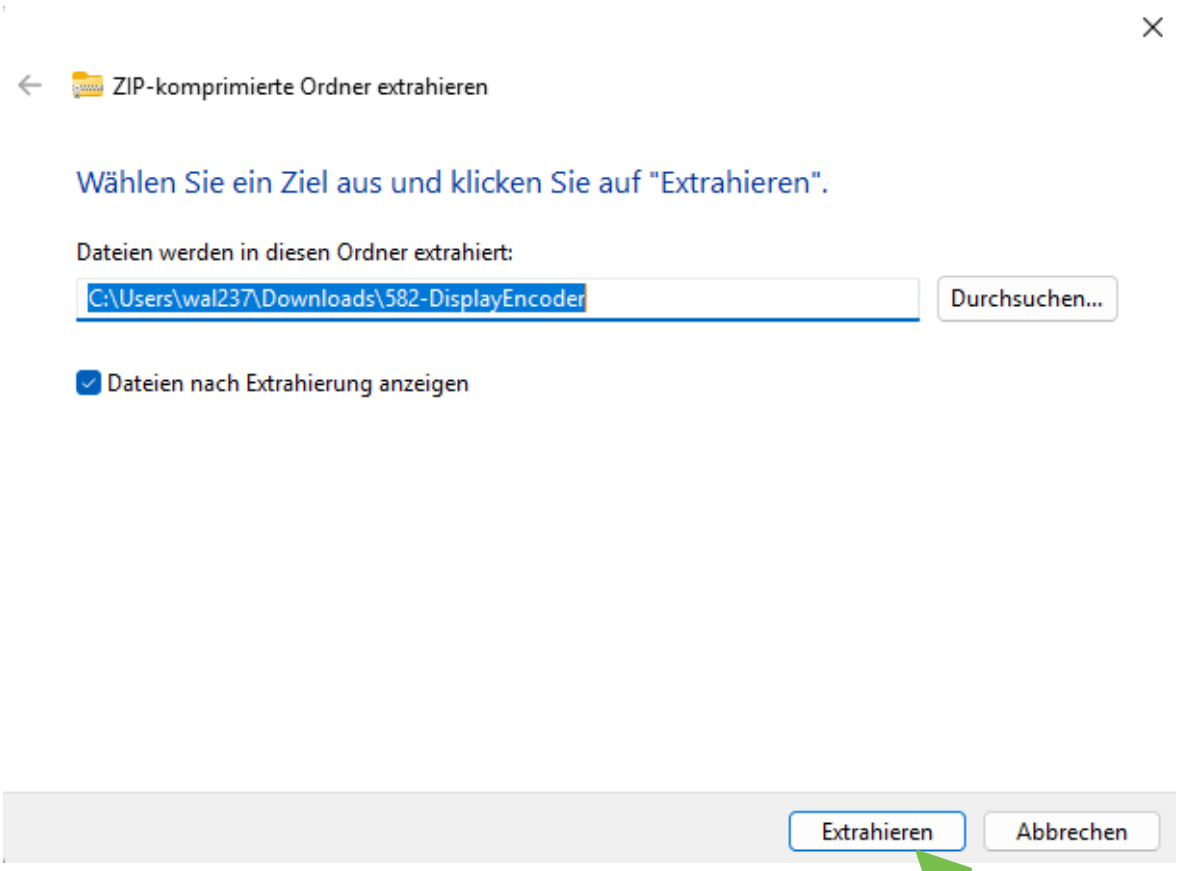
- Click on “Open file”

- Click on “Download”

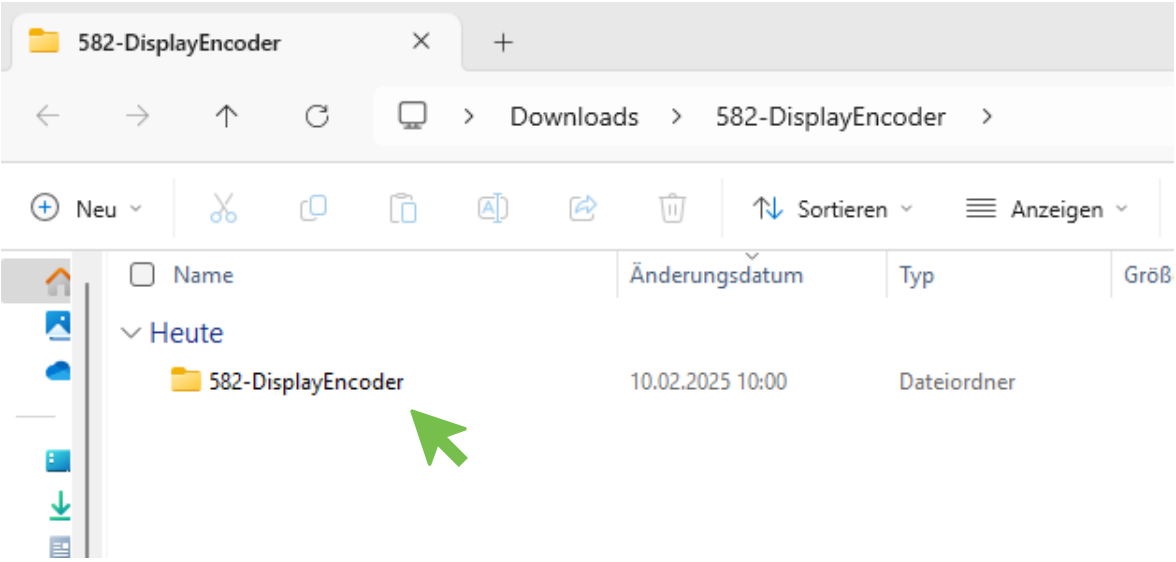




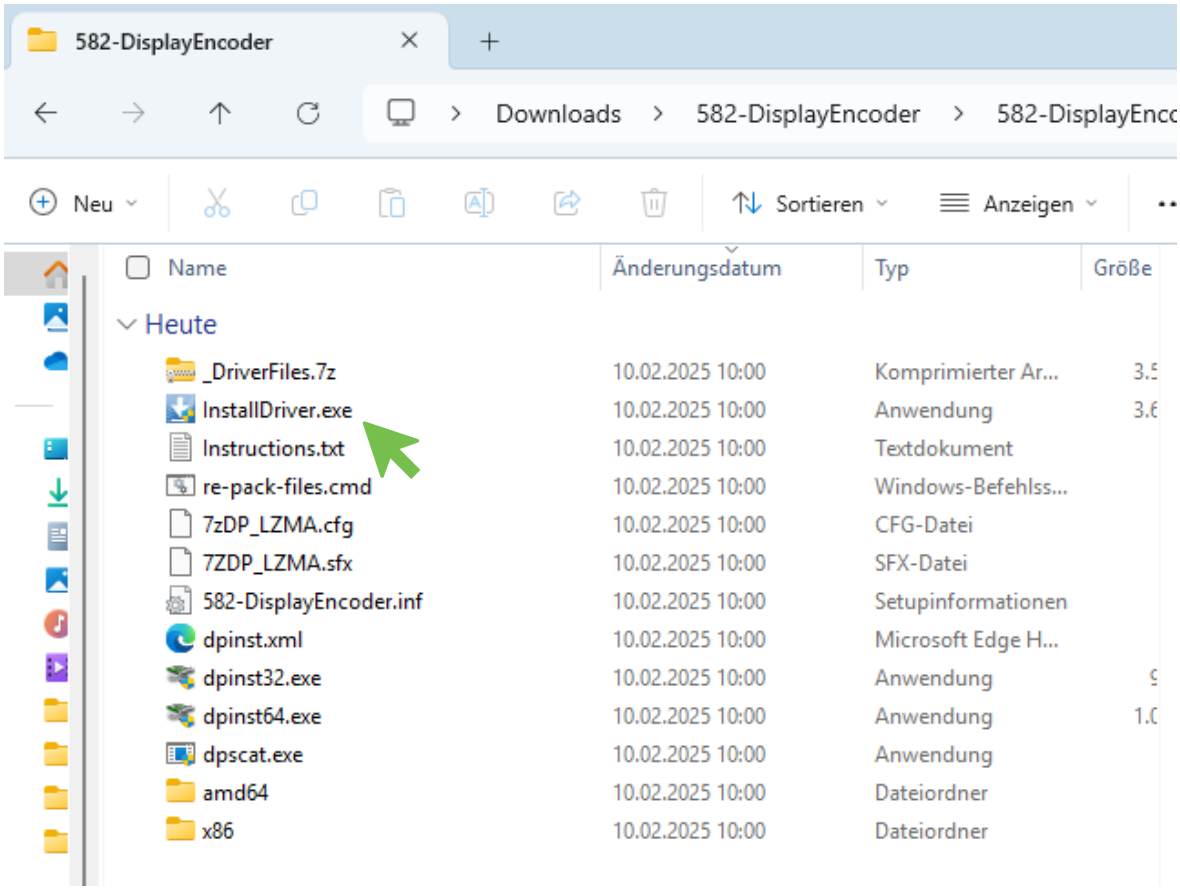
- Unzip the Folder and Click on “Extract all”



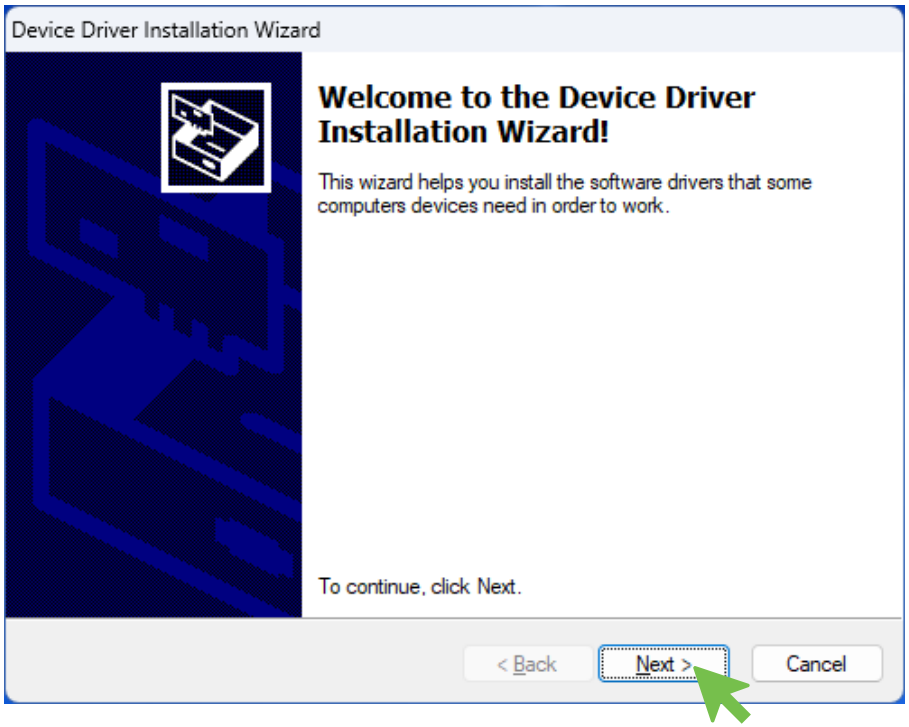
- Click on “Extract”



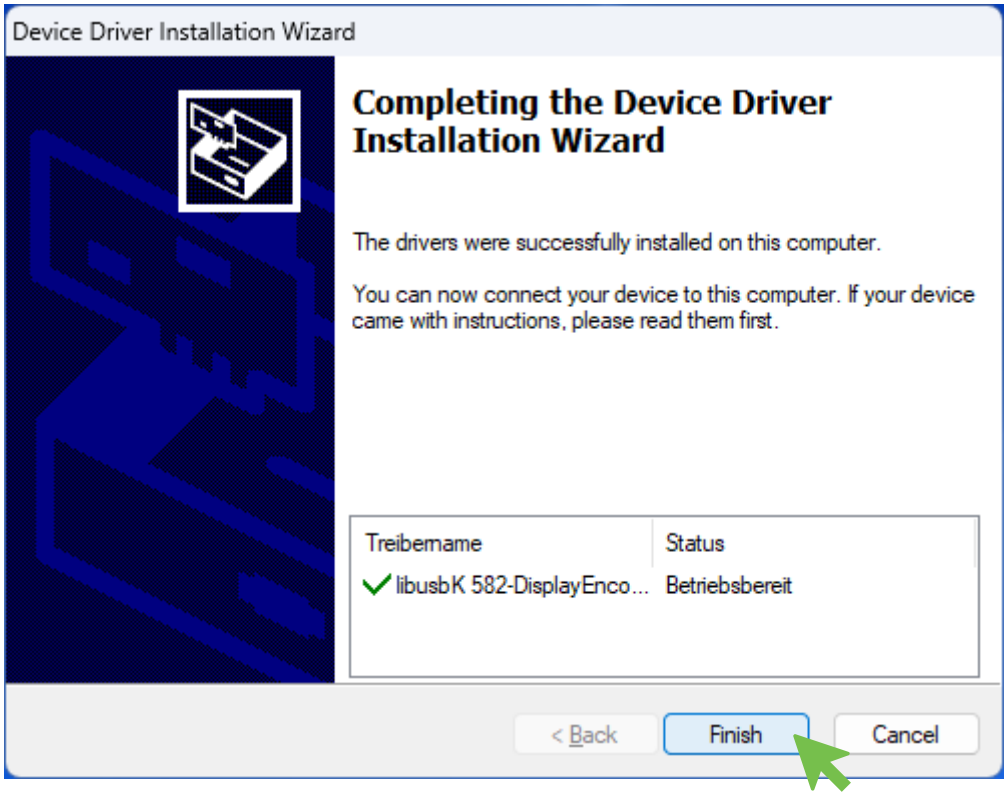
- Double-klick on “582-DisplayEncoder”



- Klick on “InstallDrivers”



- Click on “Next”



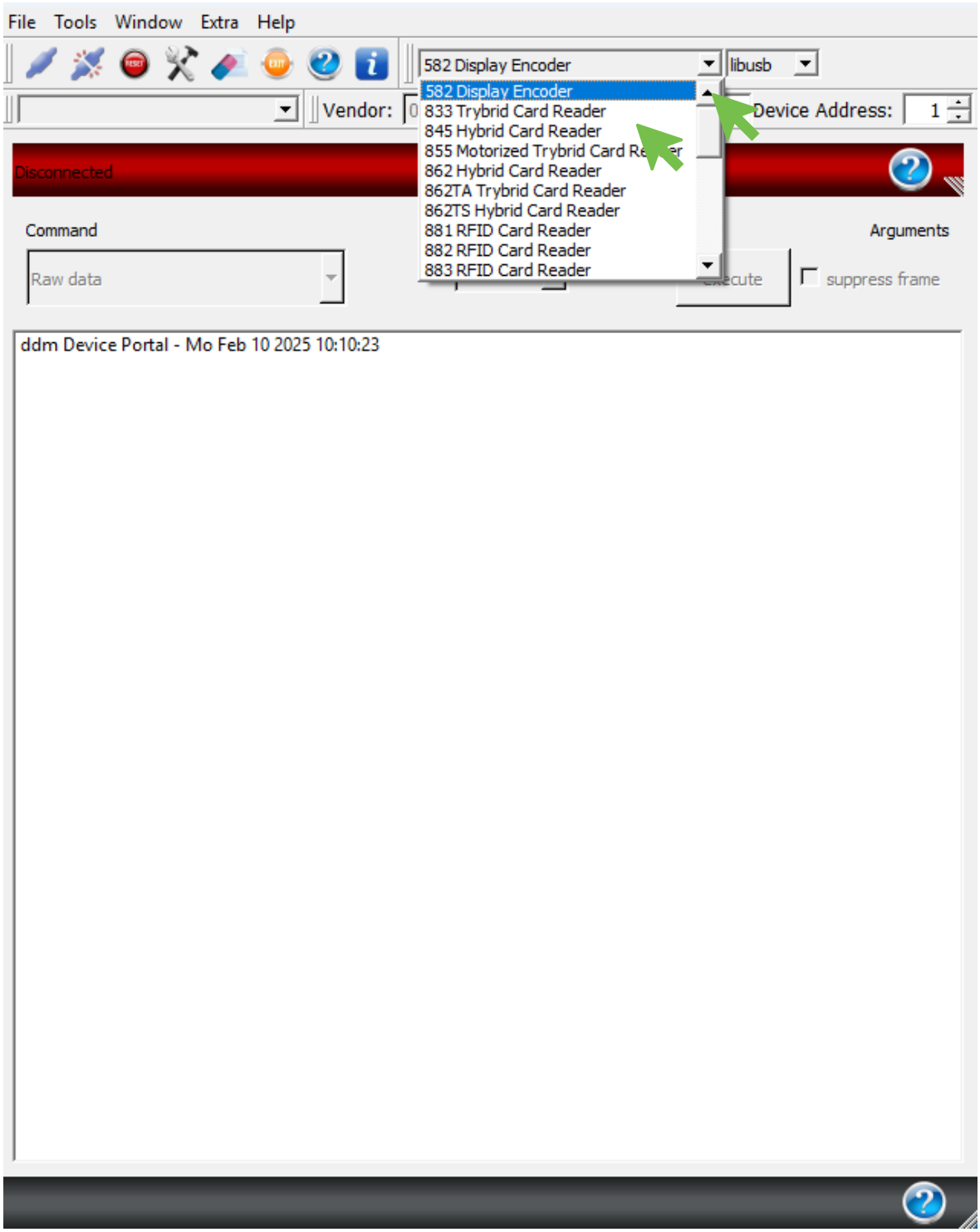
- Click on “Finish”

2. Connecting the Device

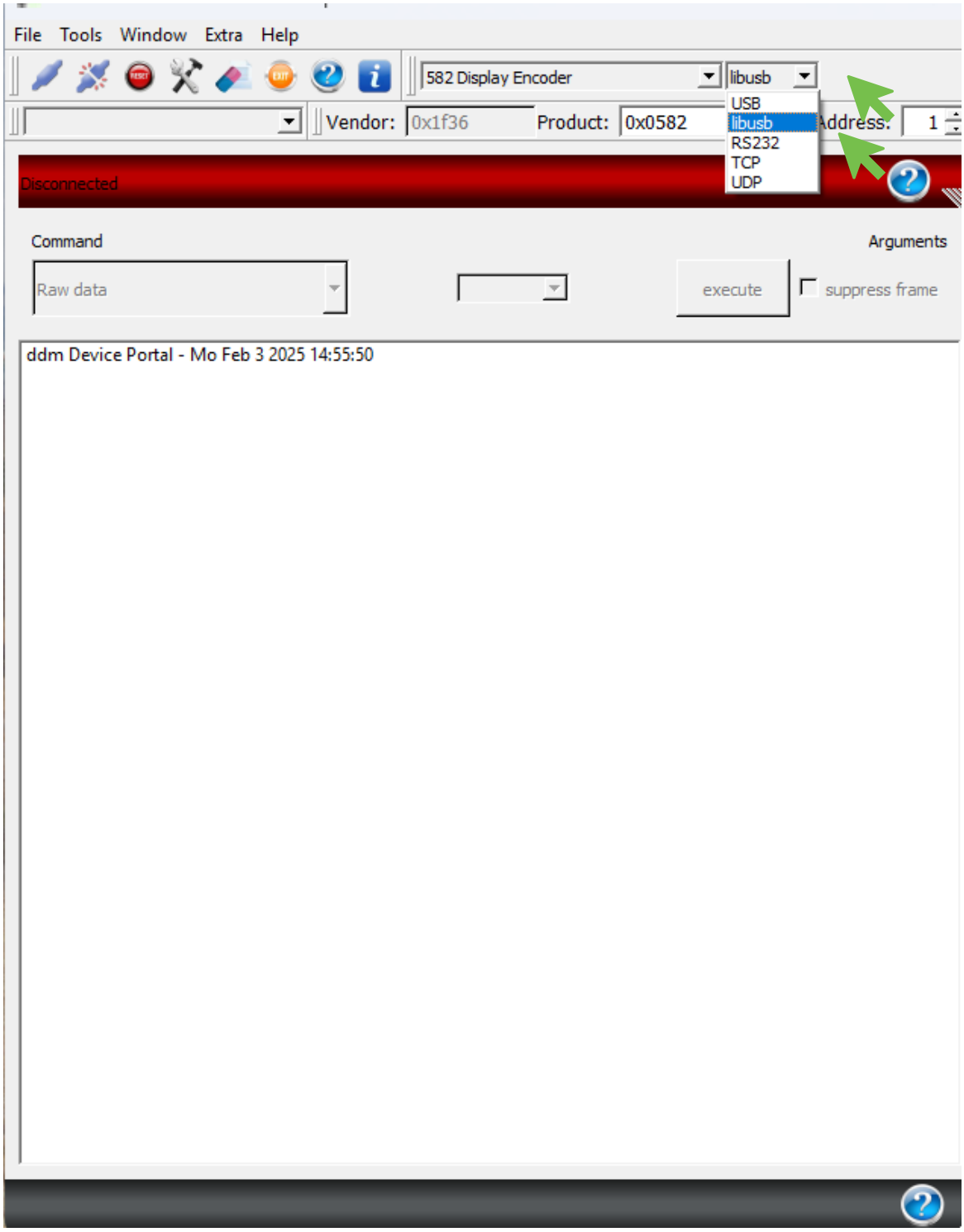
Depending on your desired connection cable, follow the steps in this subchapter

- Open the device portal with a double-klick

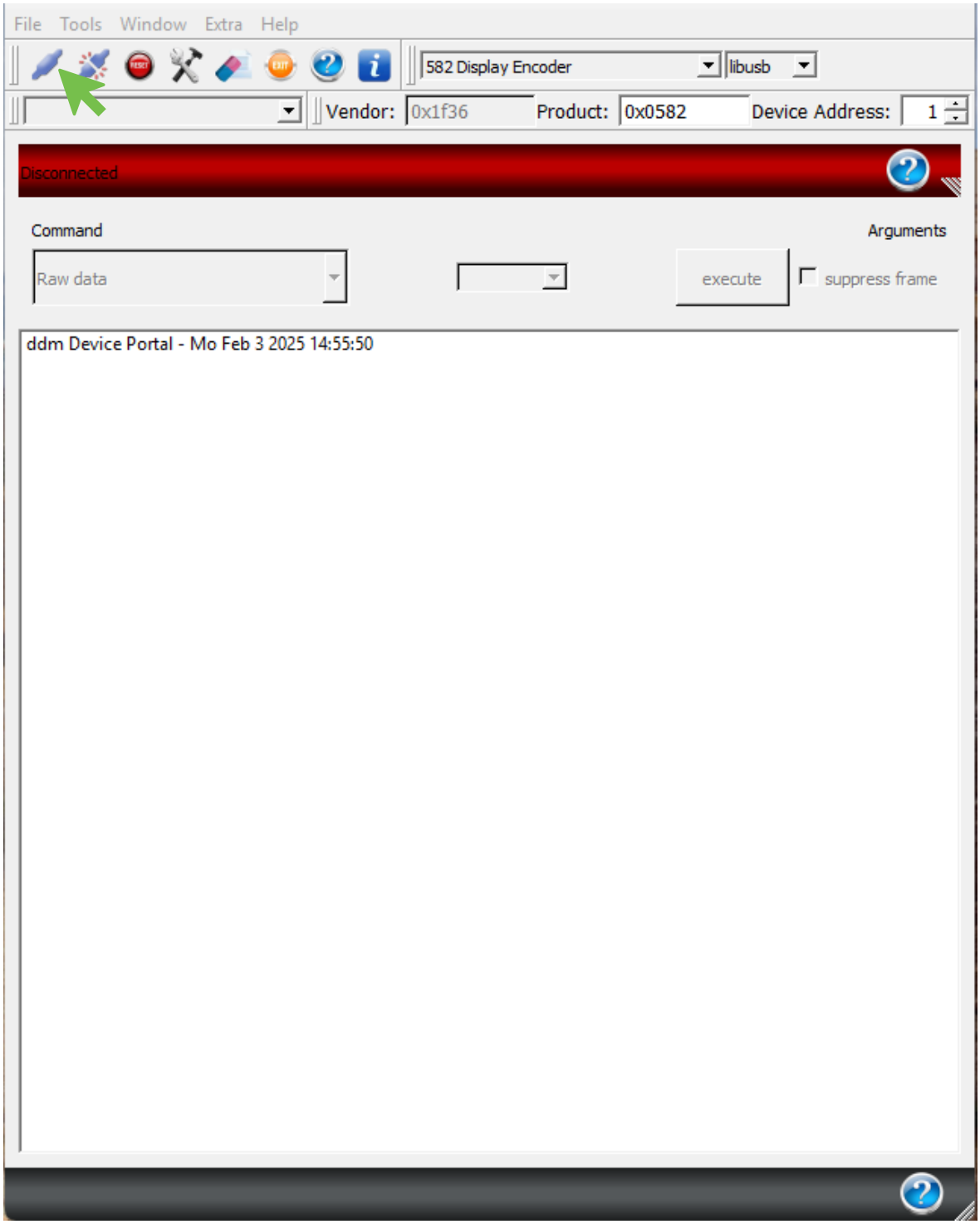
2.1 USB-C



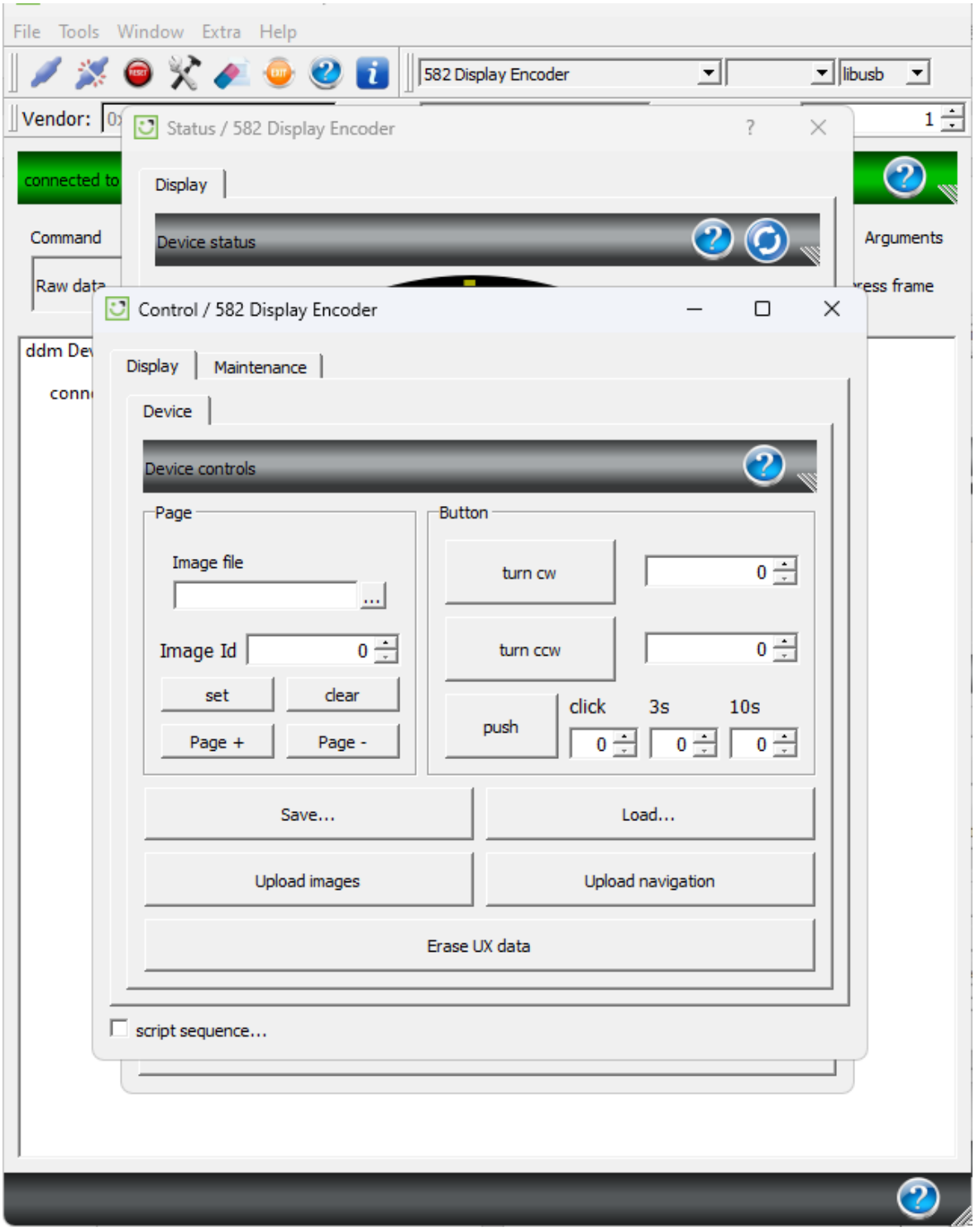
- Select “582 Display Encoder”



- Select “libusb”



- Connect the encoder to the computer using a USB-C cable
- Klick on “Connect”

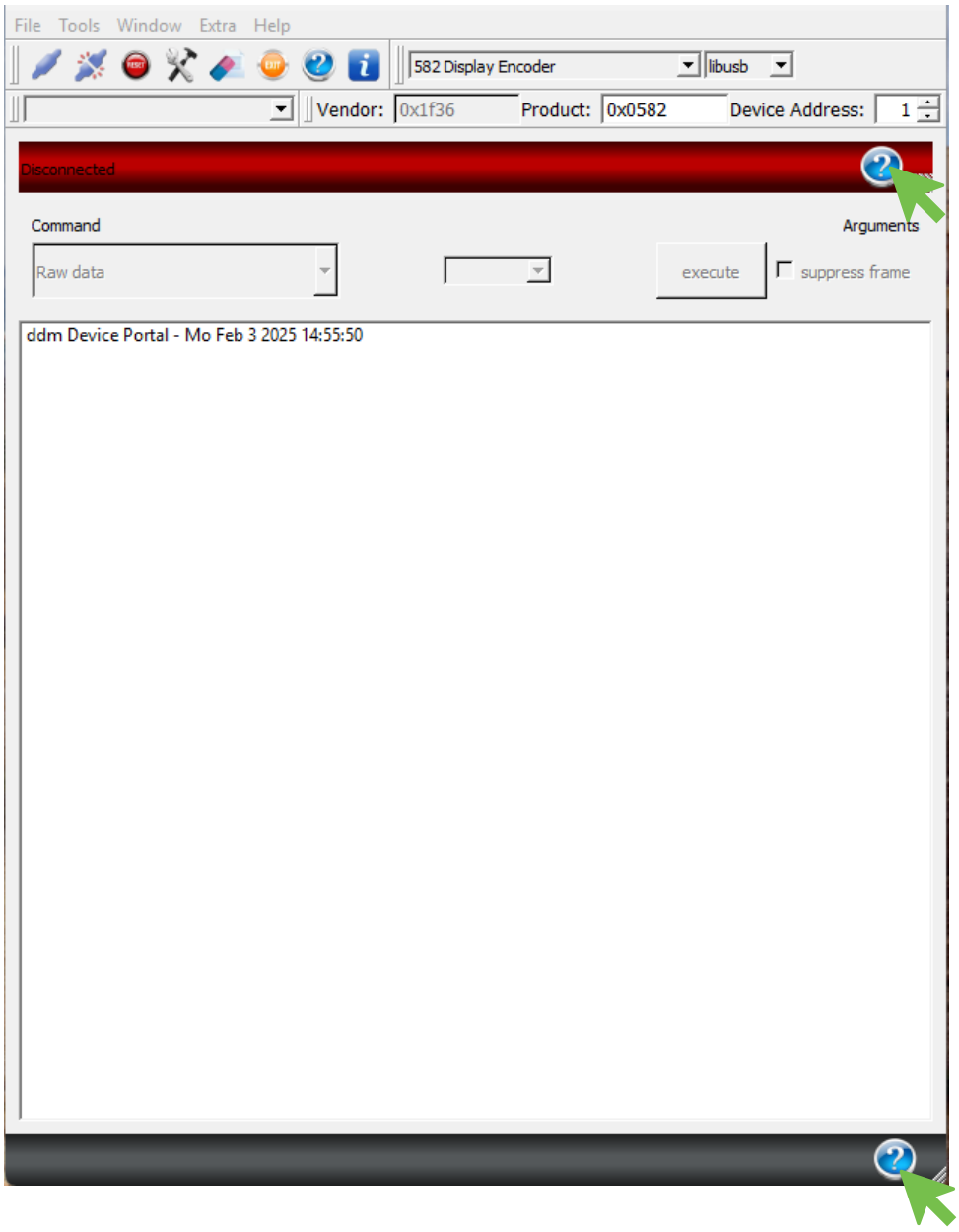


- Now the red bar turns green (visual signal to recognize if you are connected) and the windows “Status / 582 Display Encoder” and “Control / 582 Display Encoder” will open

3. Device Portal

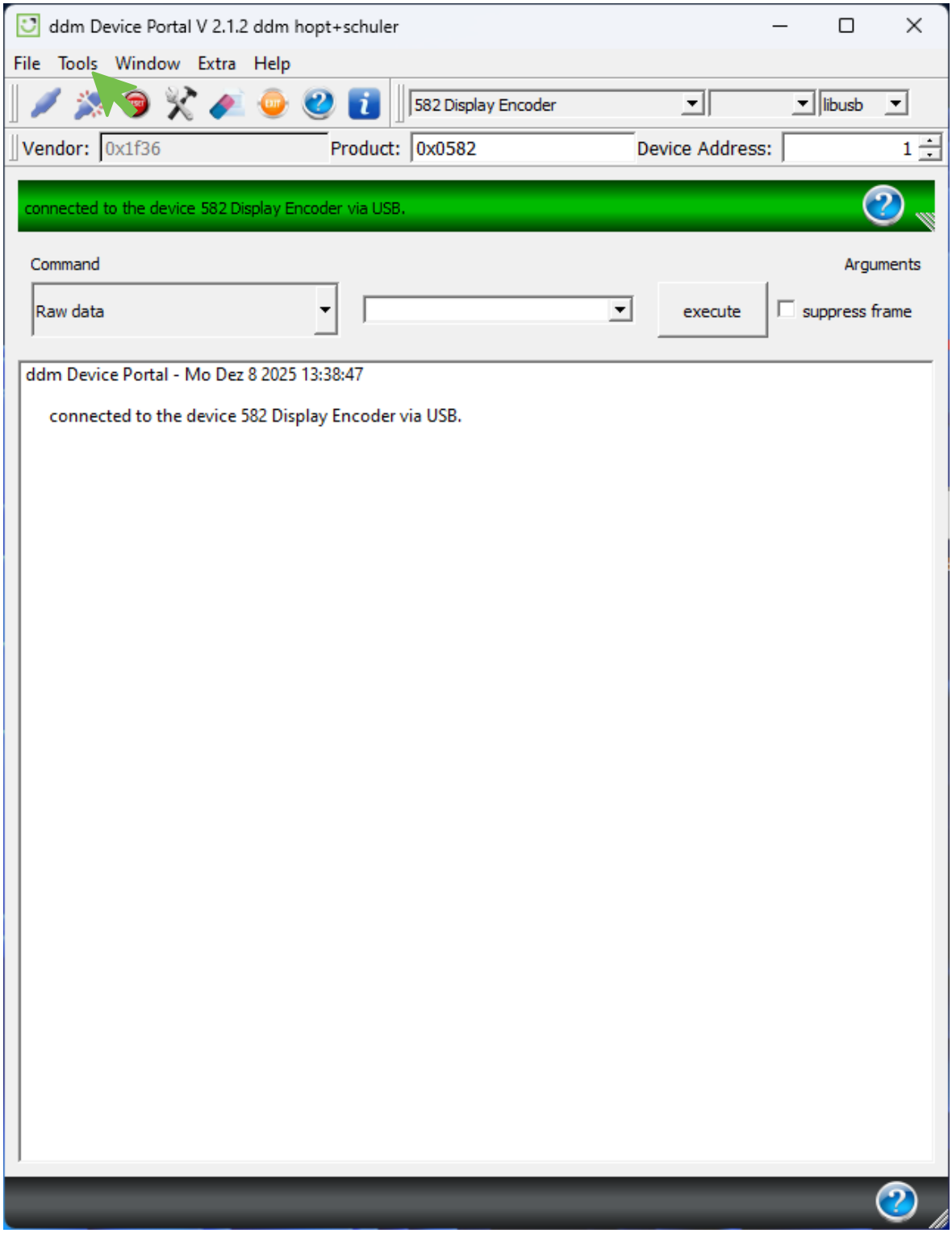
3.1 General Information

3.1.1 Need Help?

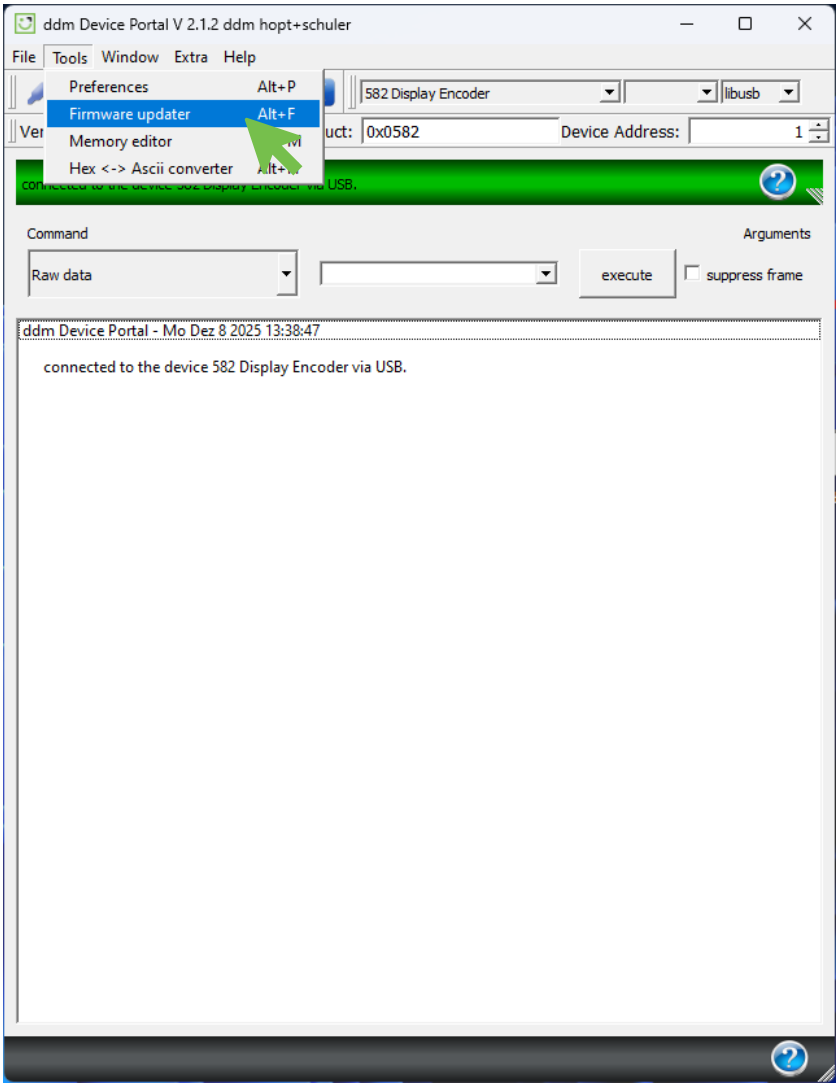


- If you need help, there is always a Question mark Symbol ( ) which opens the latest Device Portal user manual/command ref.

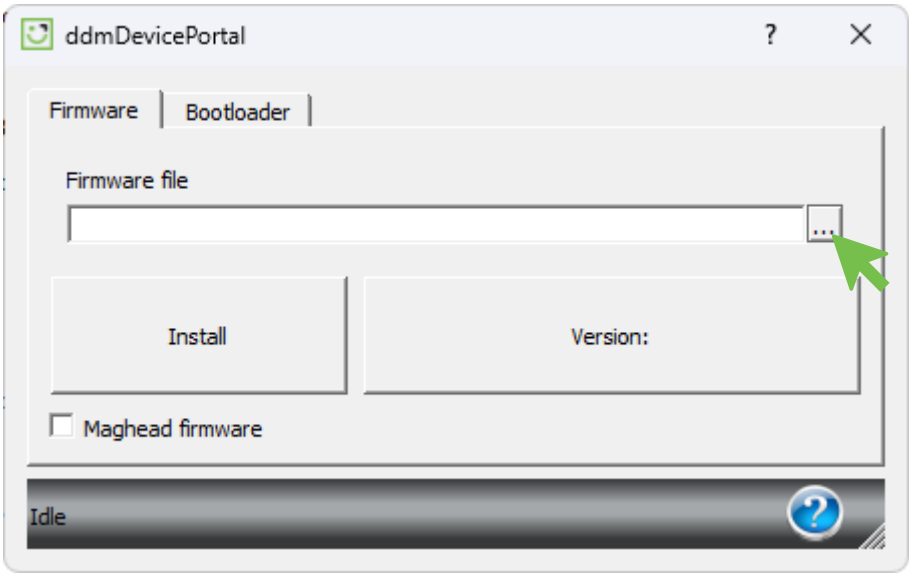
3.1.2 Firmware Update



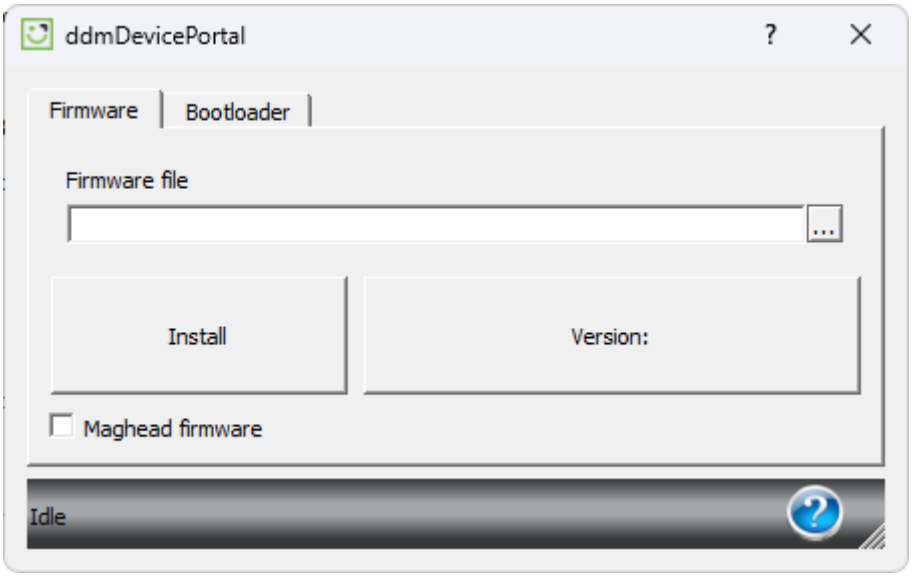
- Click on “Tools”



- Click on “Firmware updater”



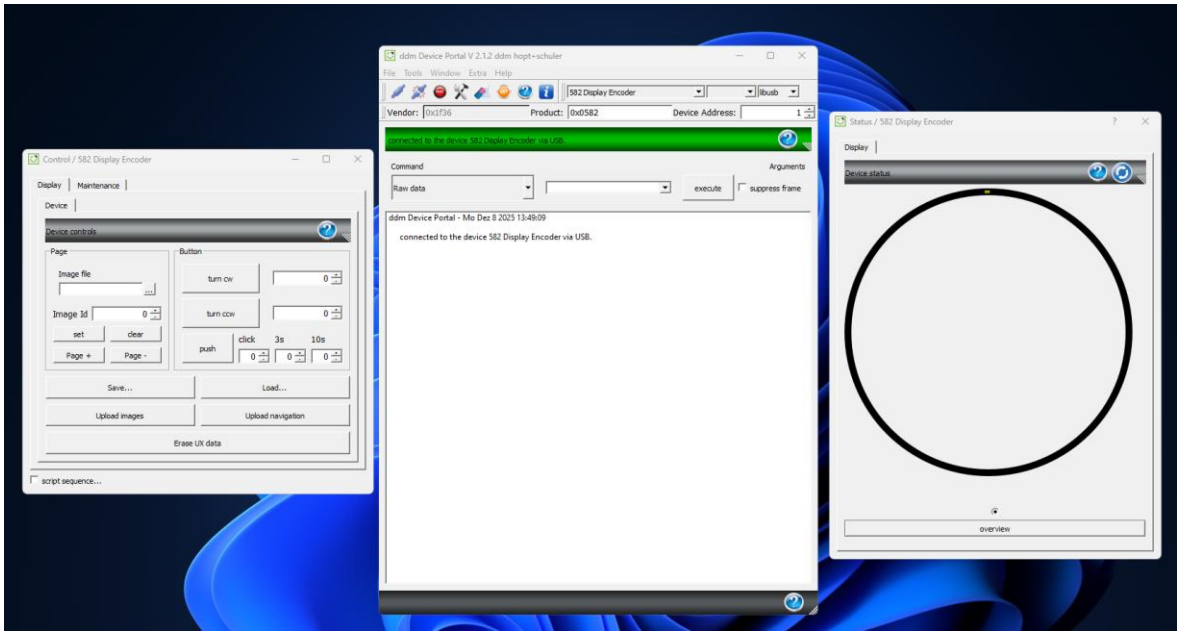
- Click on “...”
- Select the file we sent you



- Click on “Install”

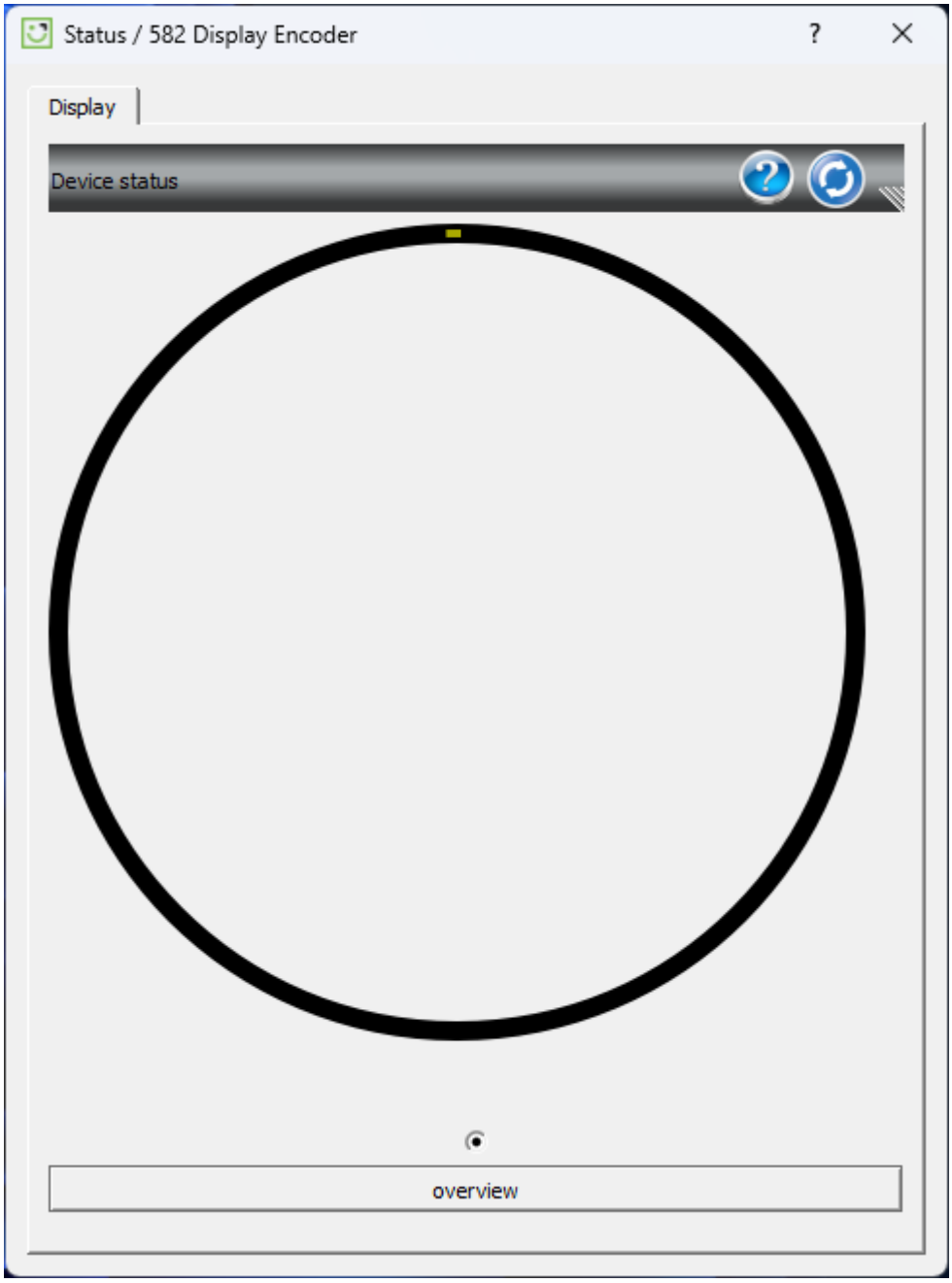
3.2 Display

This chapter provides all the information you need to control the display and manage images on the device.



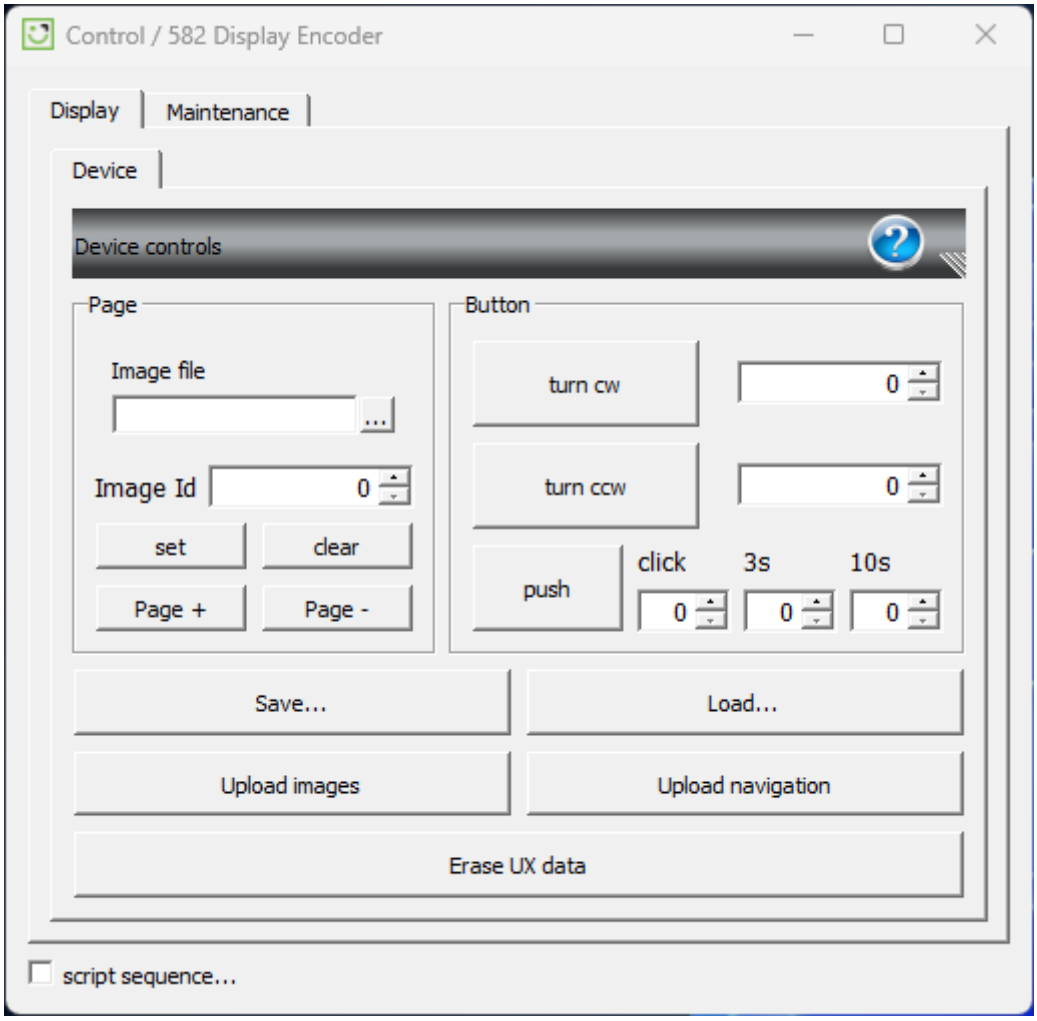
3.2.1 Status / 582 Display Encoder

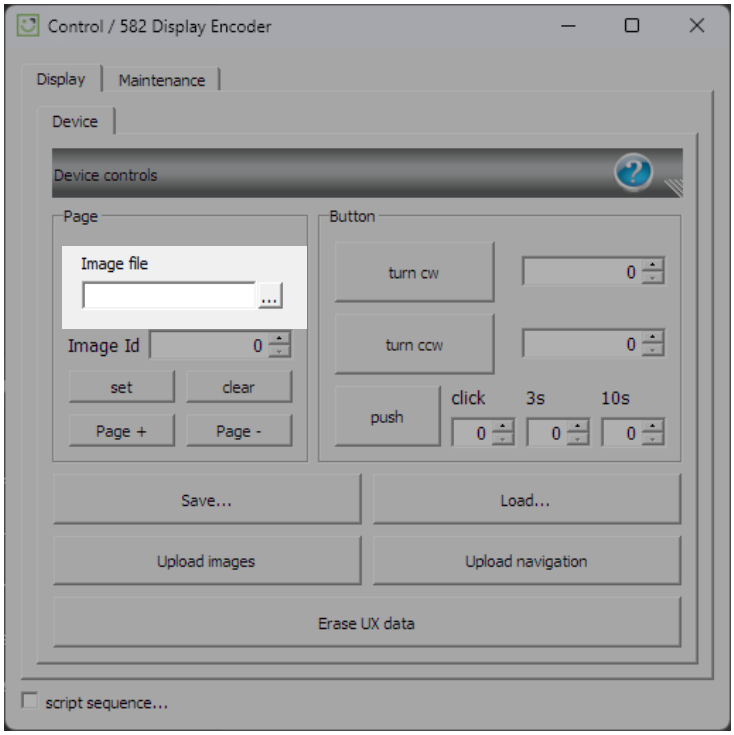
The window “Status / 582 Display Encoder” is a simulation of the Display. The images that are loaded onto the encoder are shown here.


Status / 582 Display Encoder
?
Display
Device status
overview

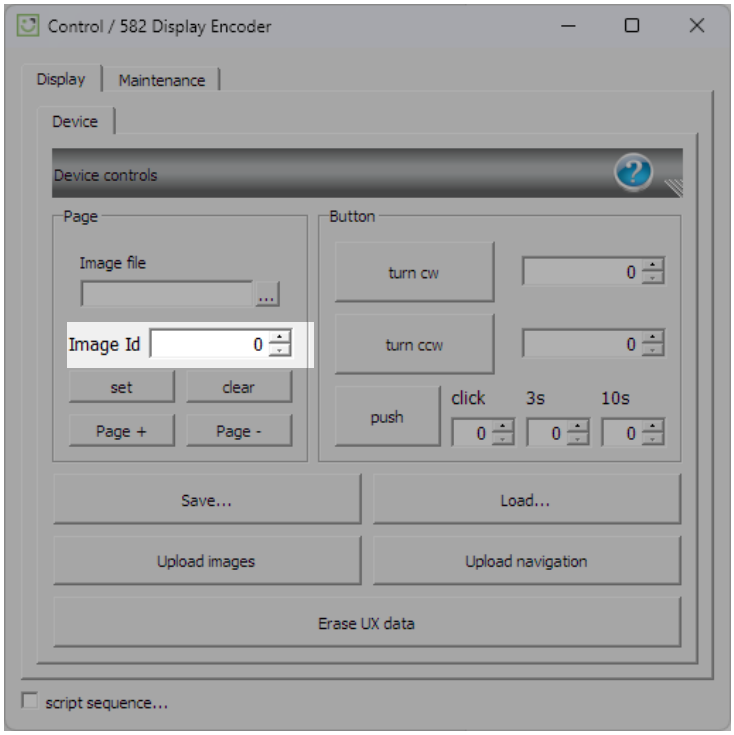
3.2.2 Control / 582 Display Encoder

The Window “Control /582 Display Encoder” is your interface to load pictures onto the encoder.

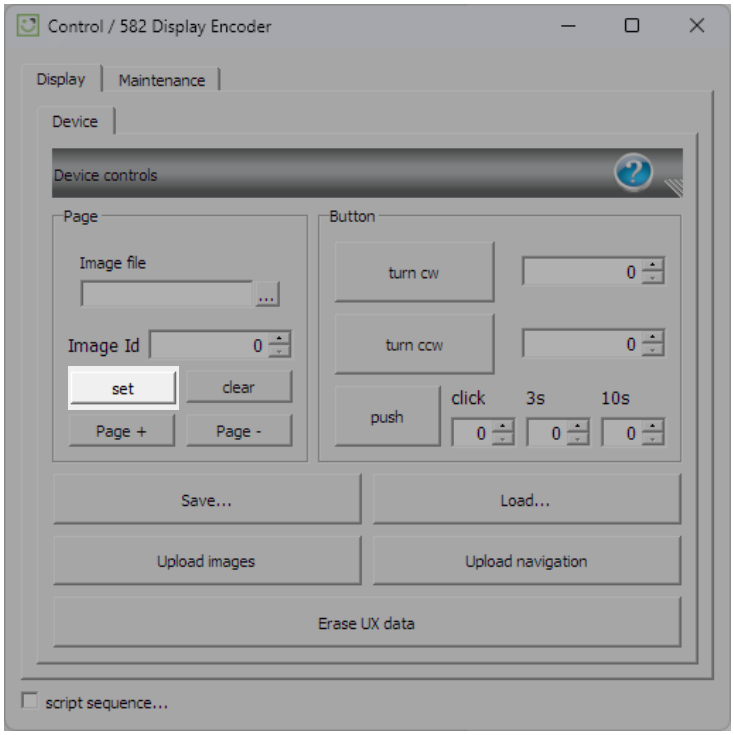




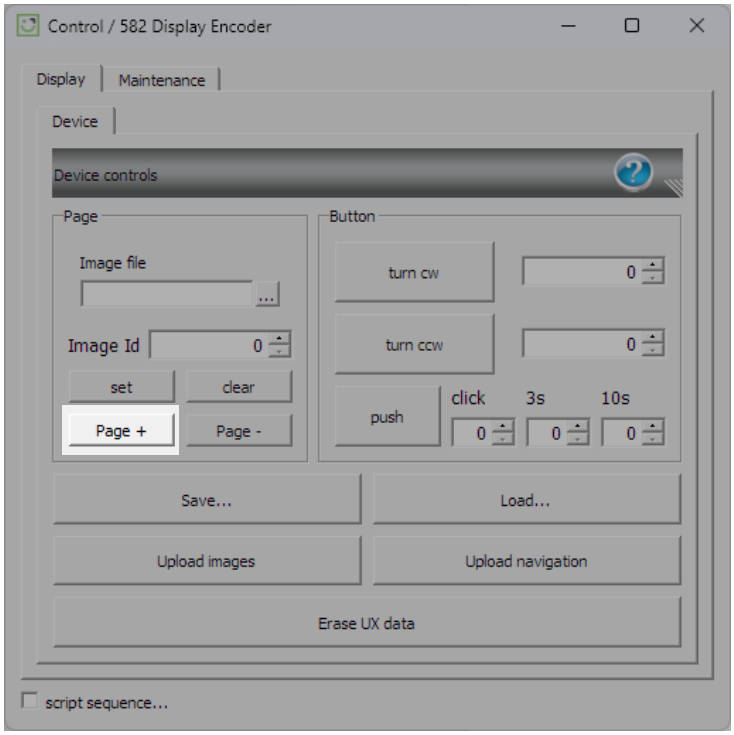
- Here you can upload your pictures
- Important: make sure you use GIF pictures in the right format (240x240) of the display. The picture must also be stored locally on the device. See General information to avoid errors



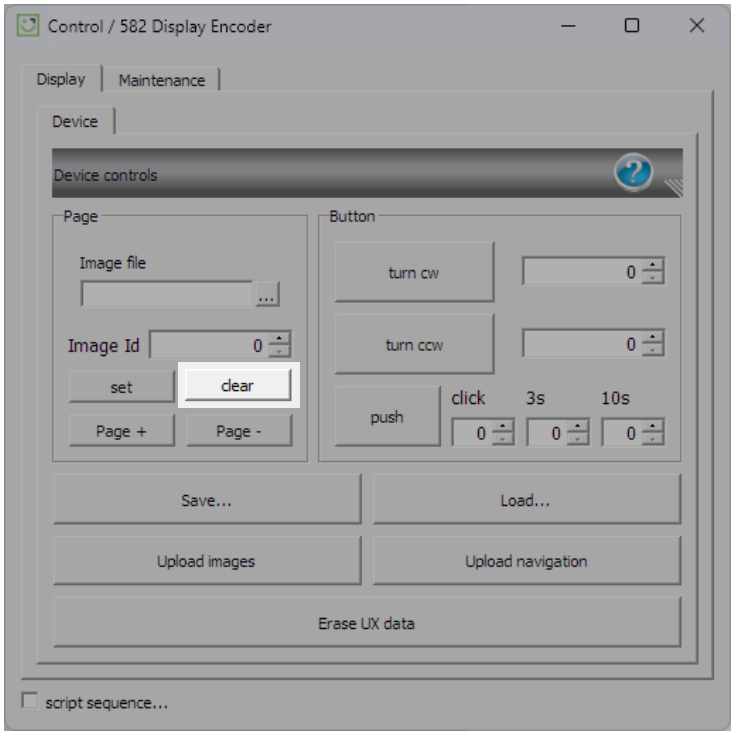
- This field shows the number of the image. This is important to keep an overview if you want to load several images onto the encoder



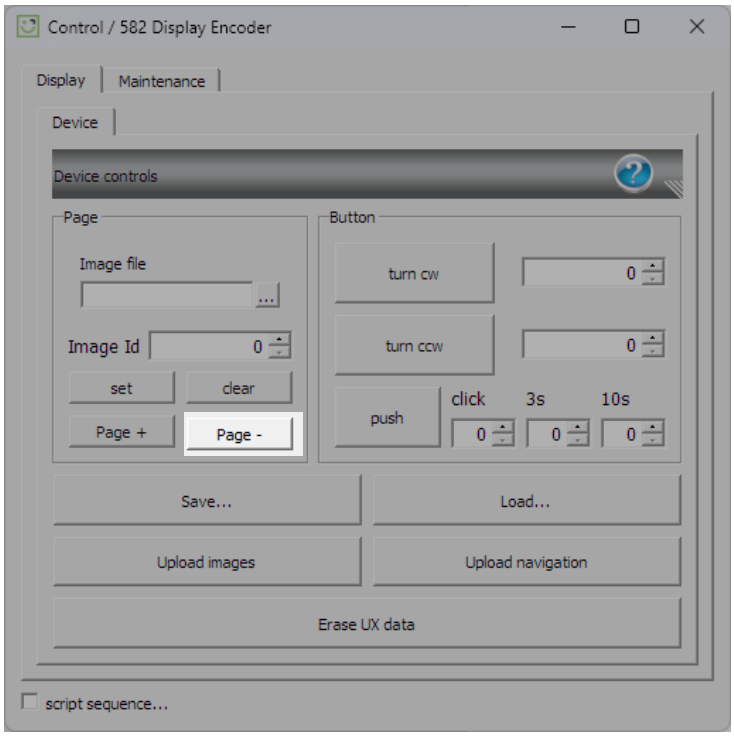
- Sets uploaded Pictures to the Image Id and pages on the “Status / 582 Display Encoder” window



- Add a new Page to the “Status / 582 Display Encoder” window



- Clears the images on the “Status / 582 Display Encoder” window

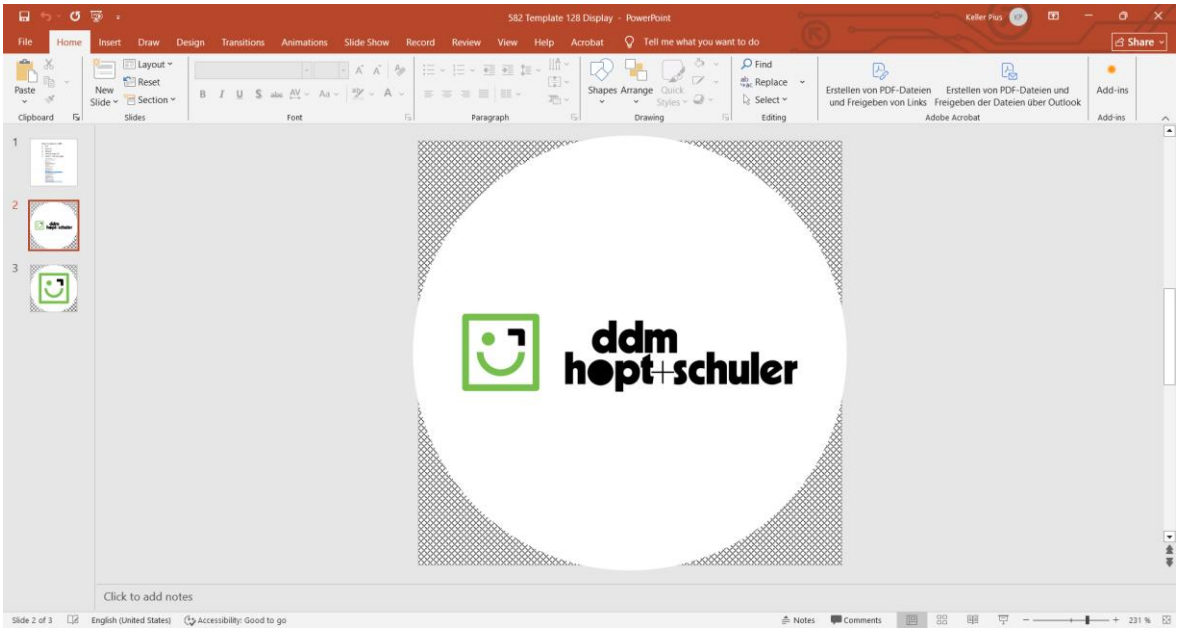


- Deletes Page to the “Status / 582 Display Encoder” window

3.2.3 Example: Image Management

3.2.3.1 General information to avoid errors

- Make sure the Images have the right size
  - The image size 582 Display encoder standard SDK is 240x240 pixels
  - Tool to check and change the size: PowerPoint Template 1.28 inch Display.pptx



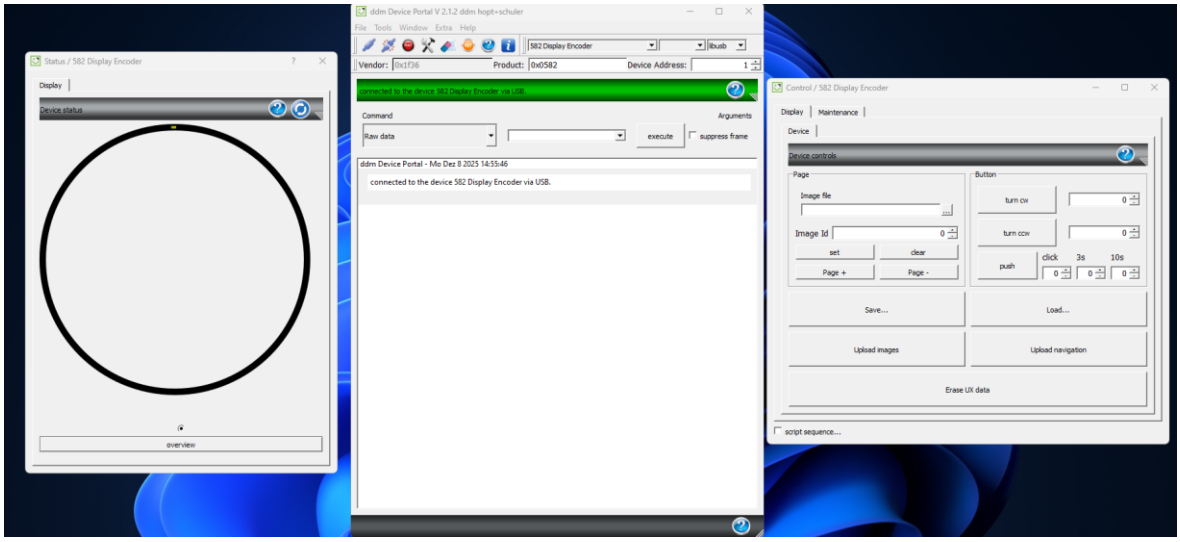
- The white region represents the displays area.
- Make sure you safe the image in the GIF-format

Alternatively, you may use the free online tool to resize and convert images into GIF Format: https://www.resizepixel.com/

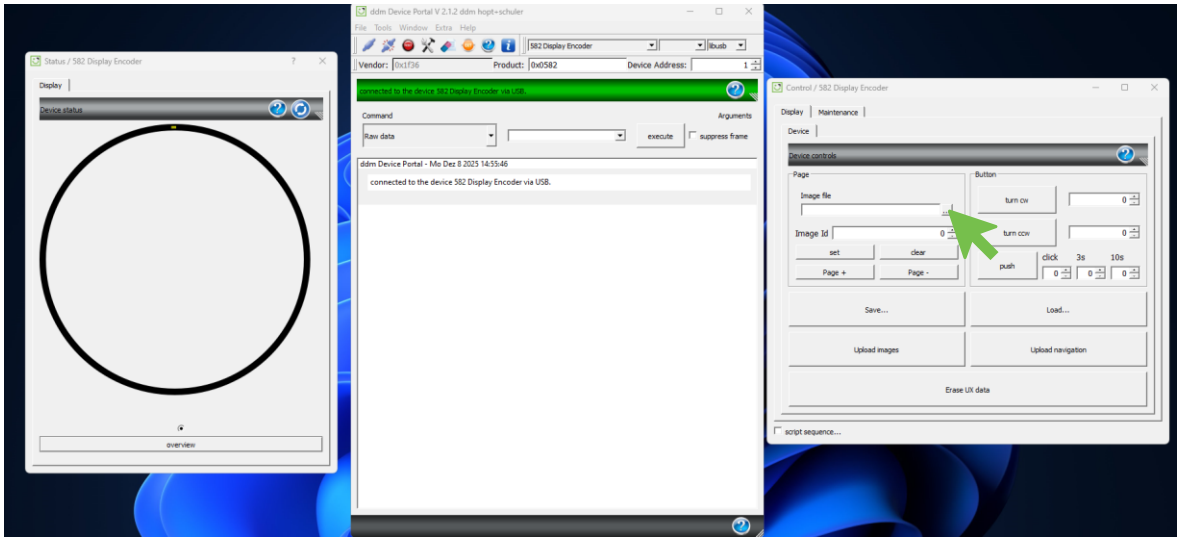
3.2.3.2 Example Rotary Function

A complete overview of rotary and push function is shown on page 35.

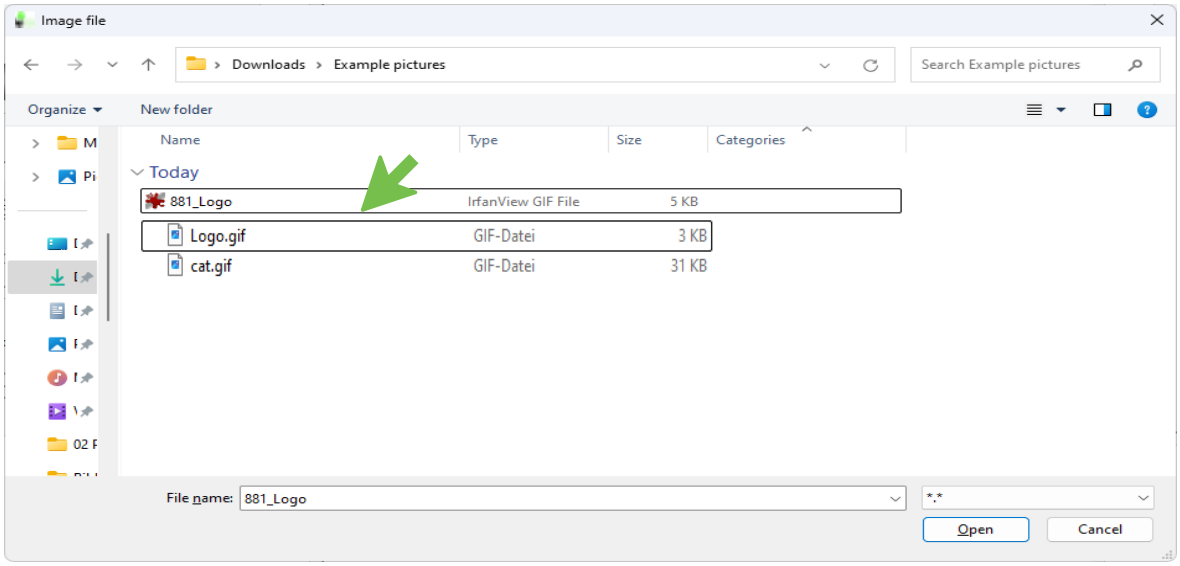
Here a step by step explanation for implementing rotary function.



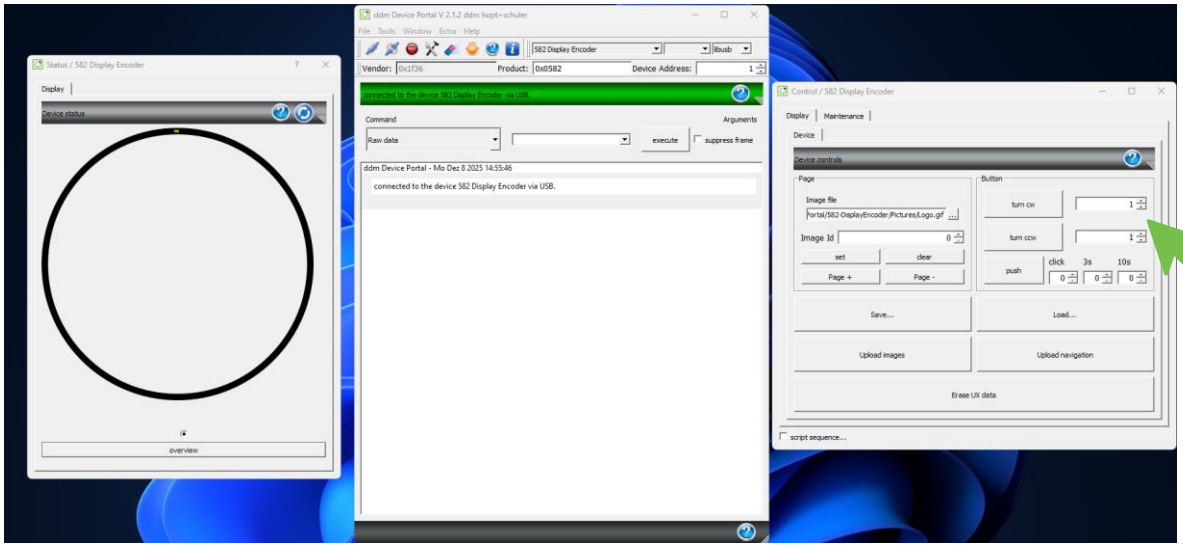
- Picture “0” is the image that is set by default when the reader is connected to power
- We recommend using the pages function to get a quick visual overview of the uploaded images and to be able to easily read the image ID.
- In this example, we want to insert 2 images.



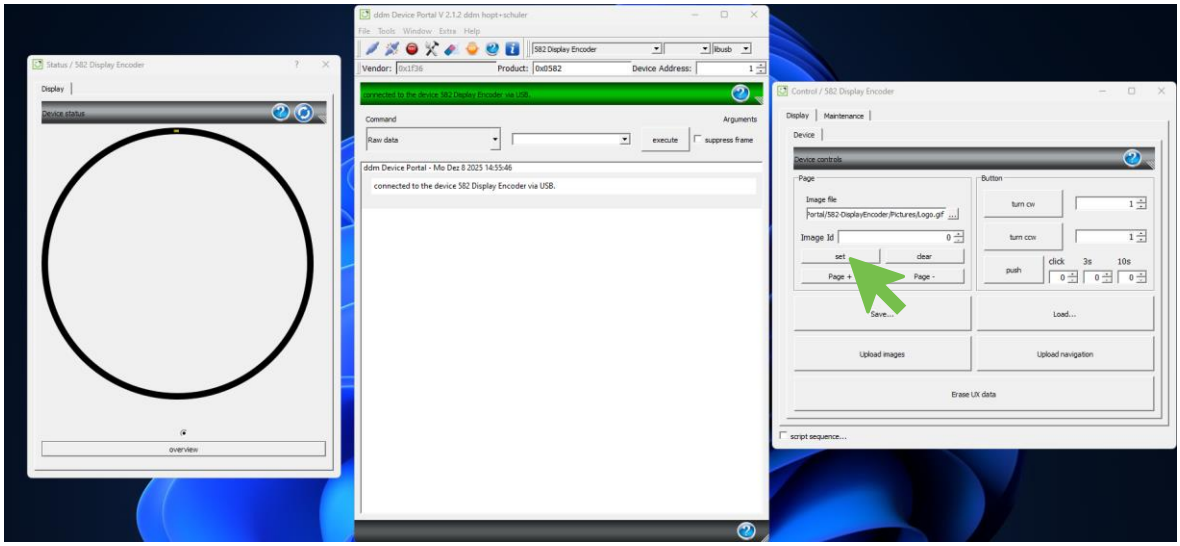
- Click on “Image file”



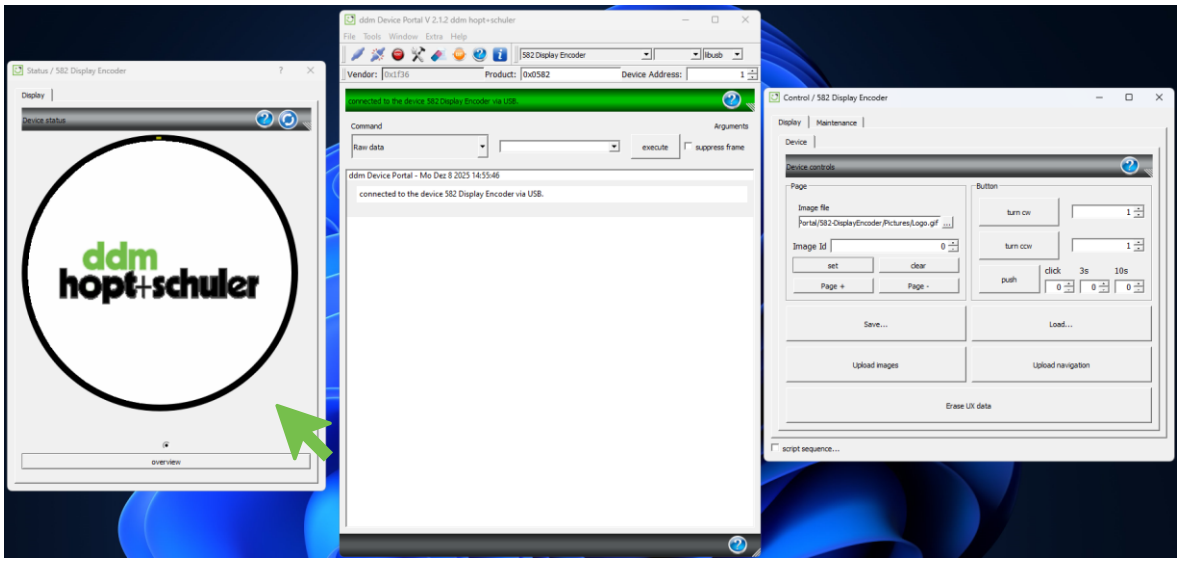
- Select your picture. In this example we will use “Logo”
- Important: make sure you use GIF pictures in the right format (240x240) of the display. The picture must also be stored locally on the device.



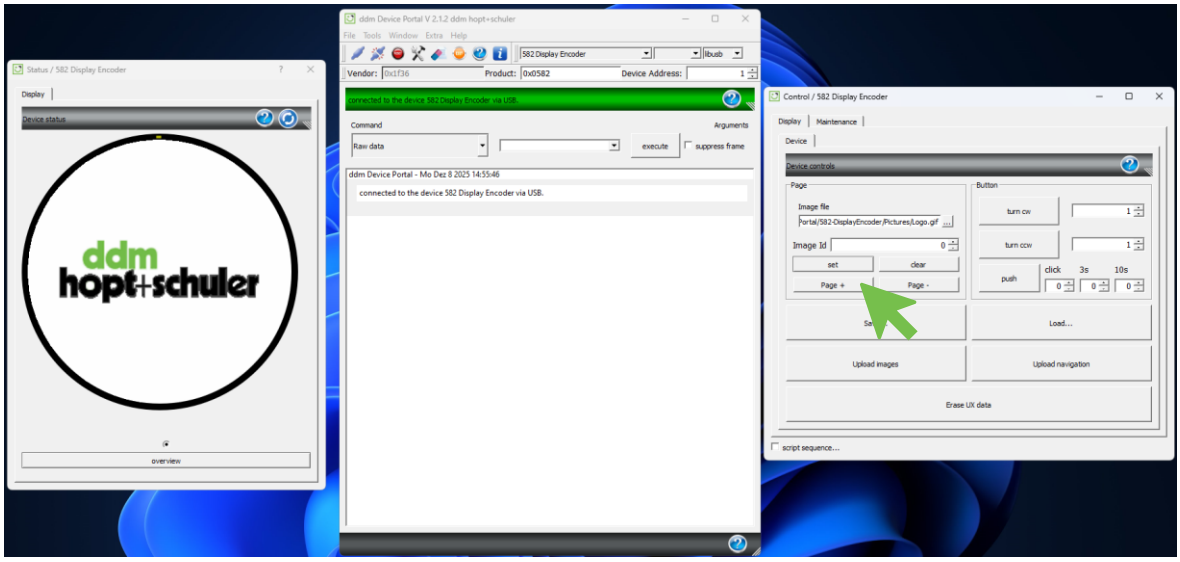
- The number of the second screen (1) is entered for "turn cw" and "turn ccw" to ensure switching to the next screen. Since we are importing two images in this example, we assign the numbers 0 and 1.
- If we have selected image 0, we must set "turn cw" and "turn ccw" to 1. This indicates that we want to switch to image 1 when rotating



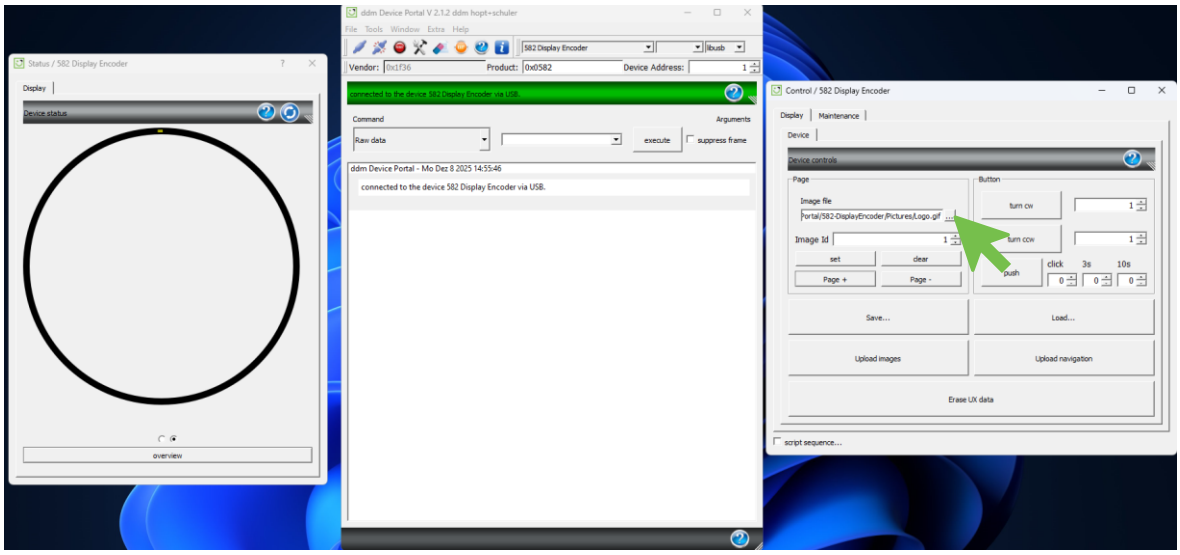
- Click on “set”



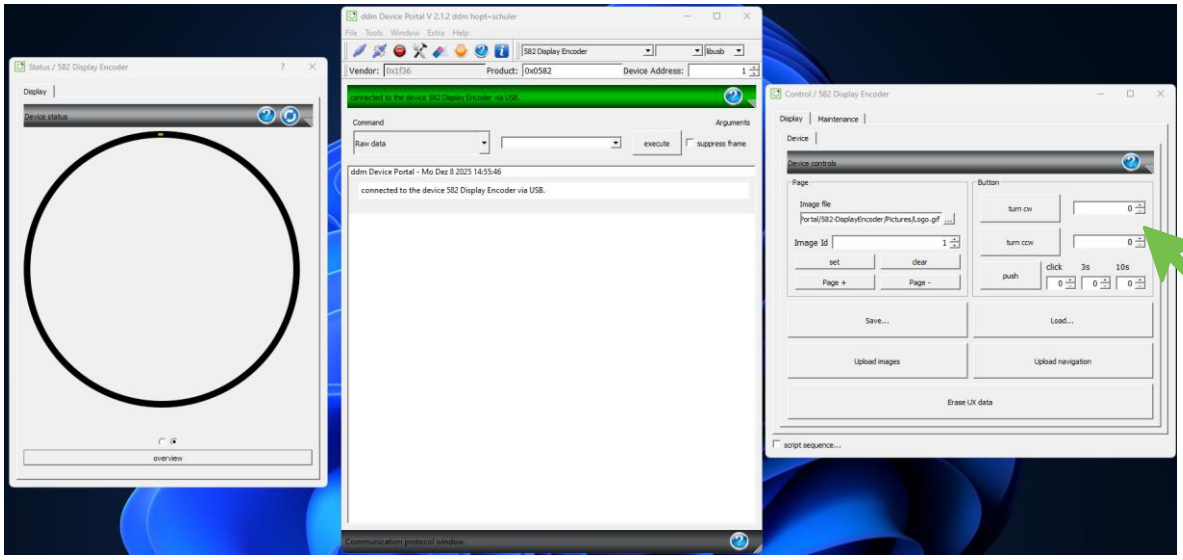
- The image is then displayed in the "Status / 582 Display Encoder" window.



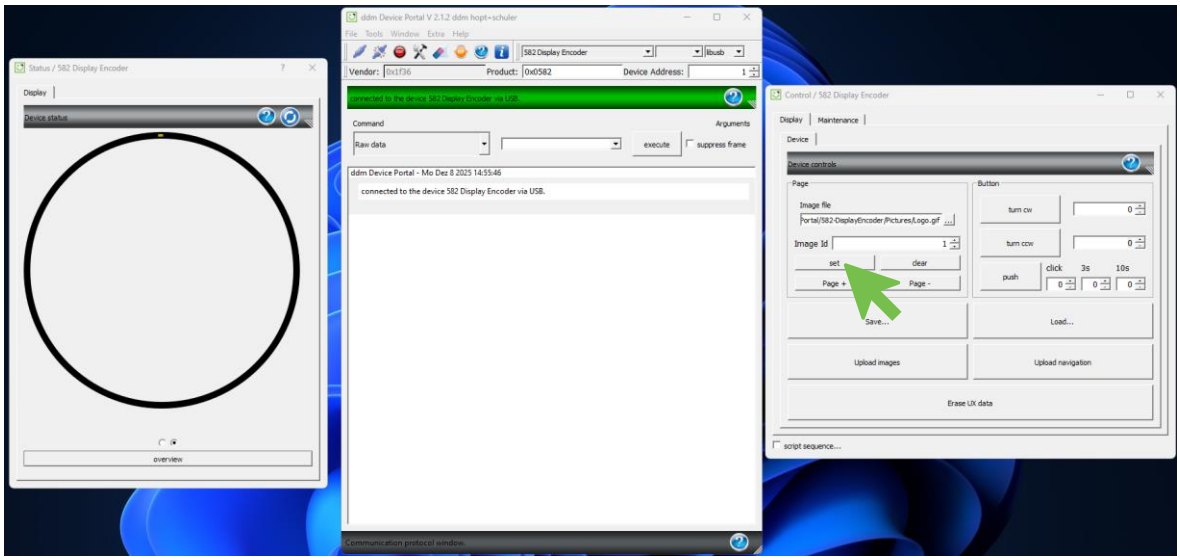
- To insert the second image, press the "Page+" field in the "Control / 582 Display Encoder" window.



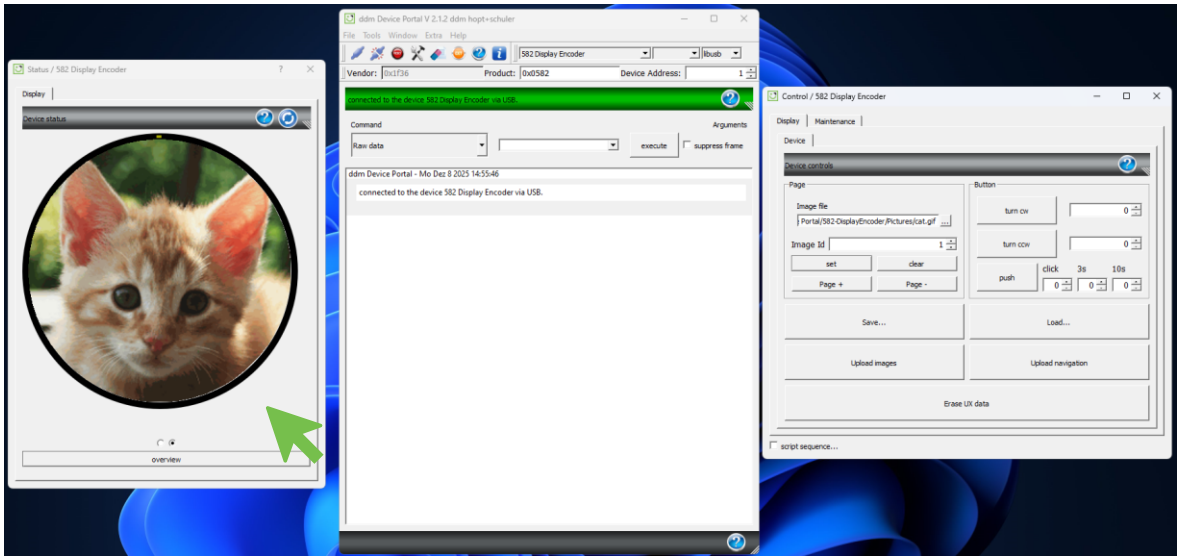
- After pressing, the number 1 appears in the "Image Id" field and a new field opens in the "Status / 582 Display Encoder" window.
- You can now load a new image via the "Image file" field.



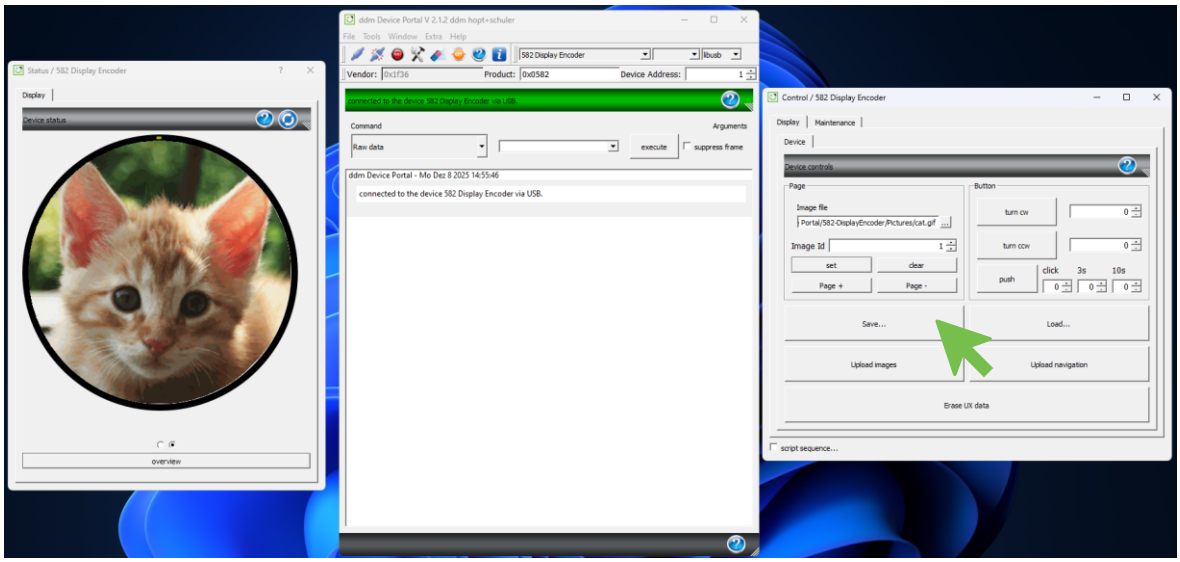
- Now we want to switch from screen 1 to screen 0 when rotating. To do this, we enter the number 0 in the "turn cw" and "turn ccw" fields.



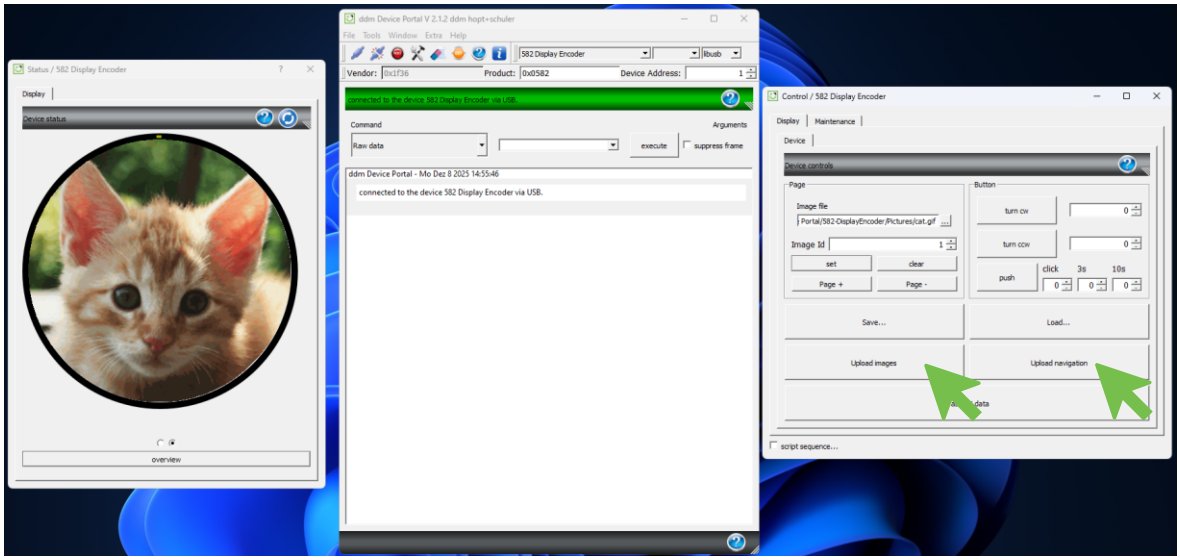
- Click on “set”



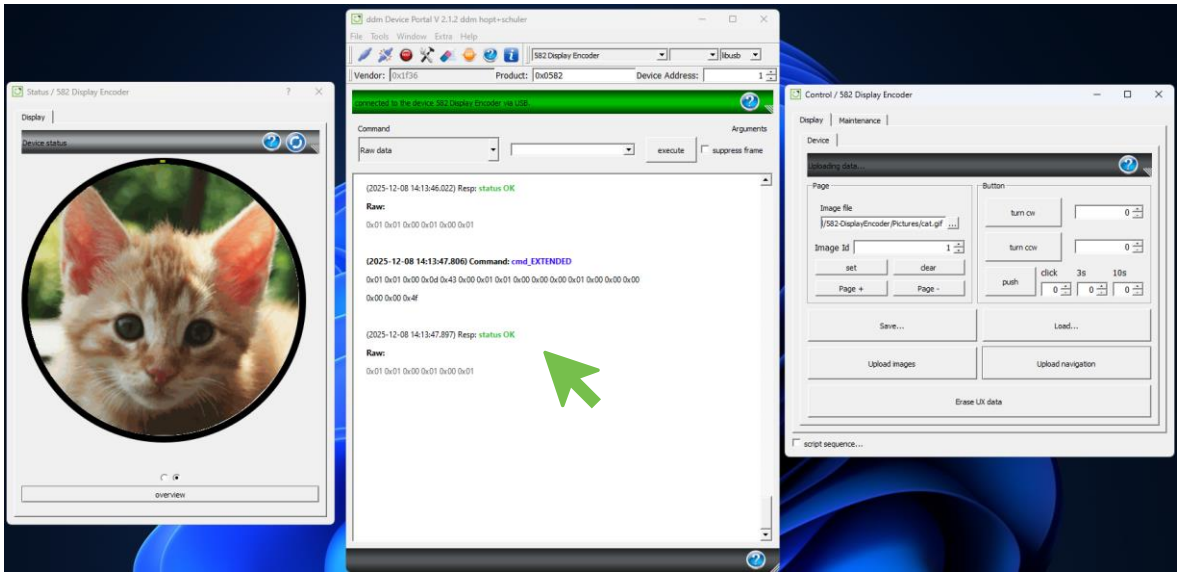
- The second image is then displayed in the "Status / 582 Display Encoder" window.



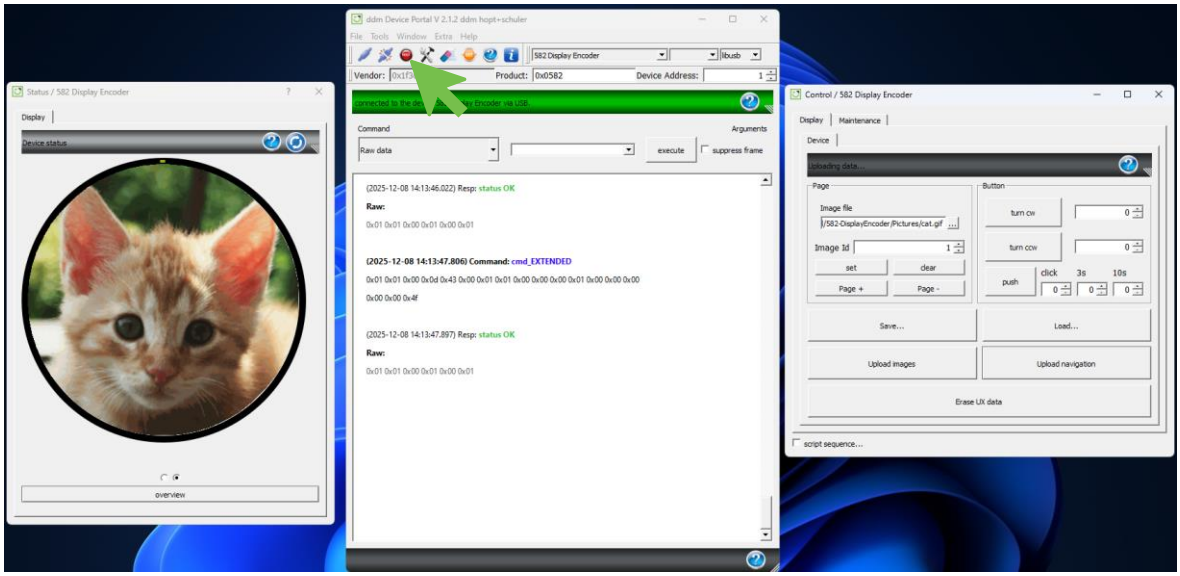
- You can now save the project by pressing the "Save" button.



- In the next step, we upload the images and the sequence to the display encoder by clicking one after the other on the "Upload data" and "Upload navigation" fields.

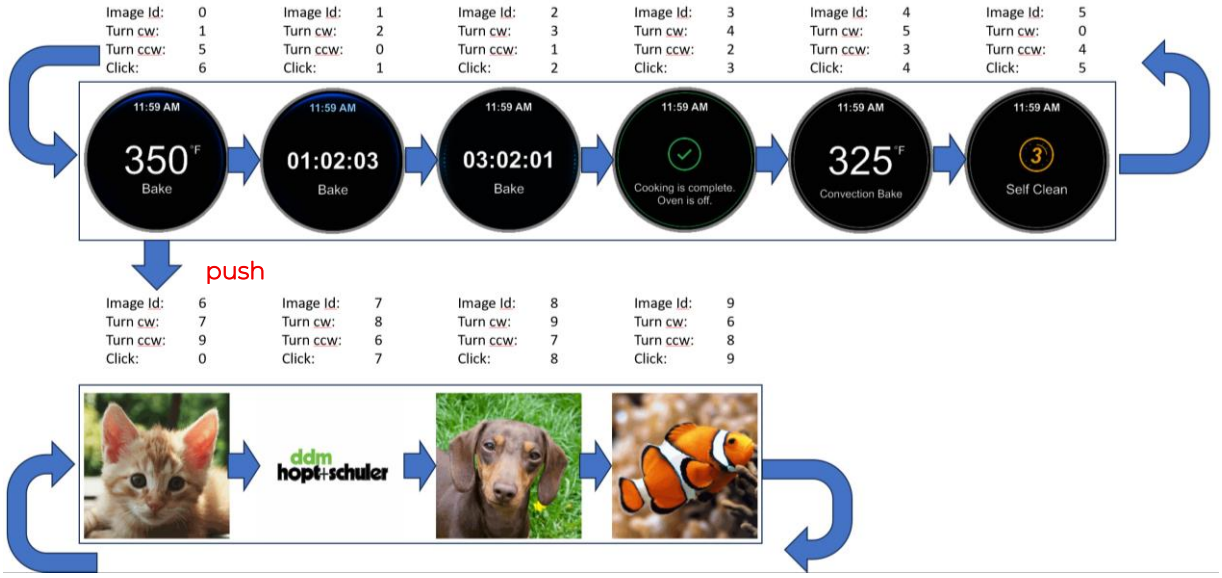


- You can now see from the green status in the main window that the upload was successful.



- To show the images on the encoder, press the red reset button in the main window once.

3.2.3.3 Example rotary and push function



- To realize the push function, proceed as shown in the example image.