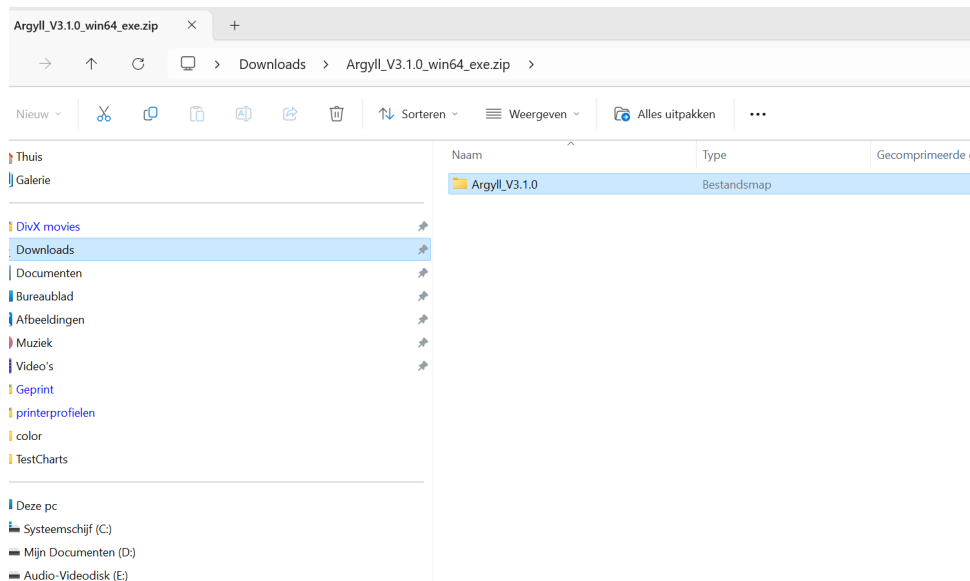
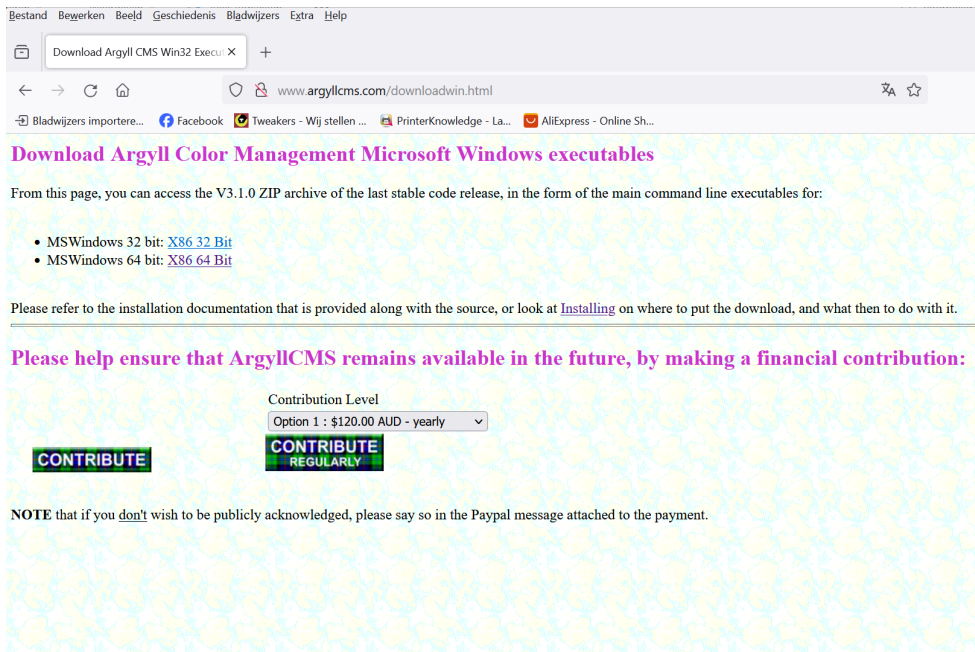


## A easy rudimentary Manual to install and use ArgyllCMS without too much hassle

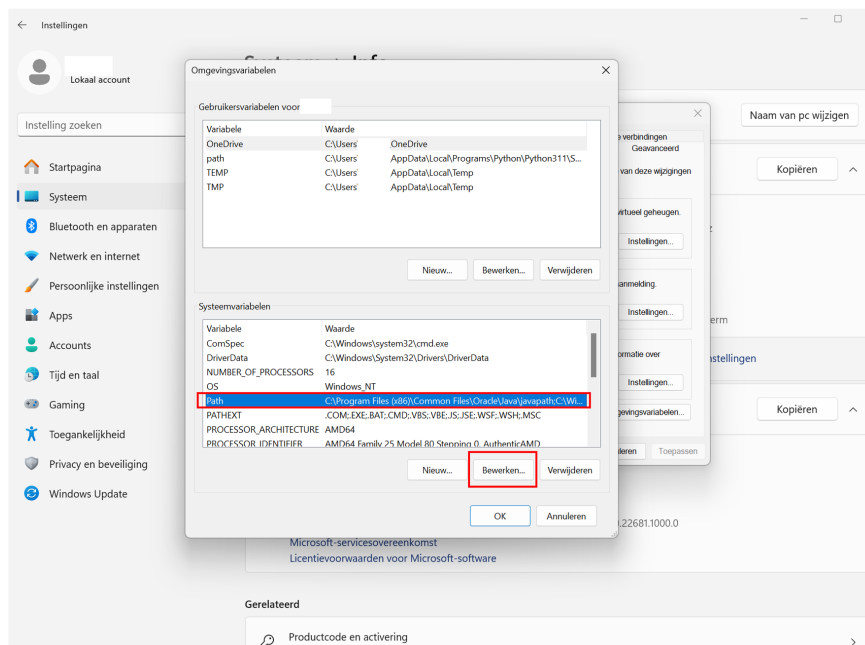
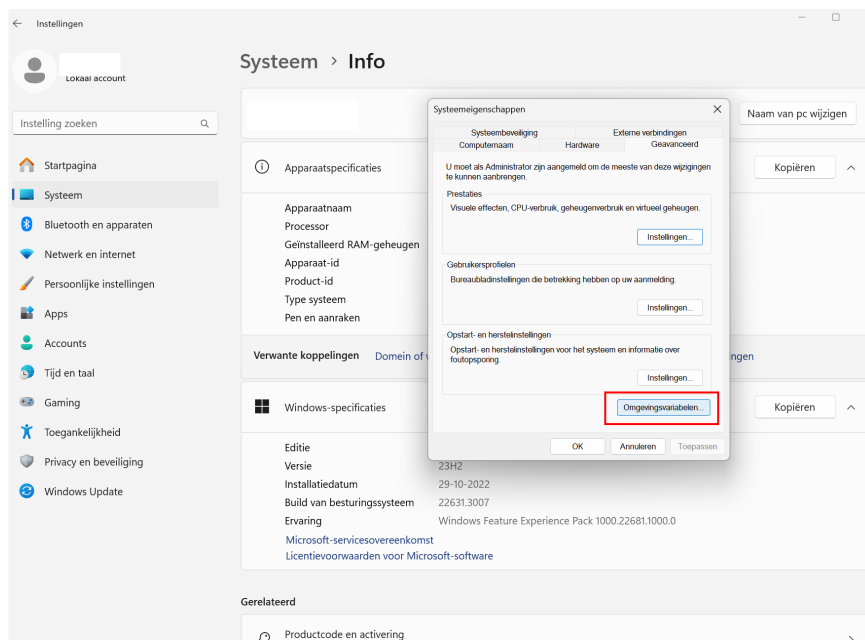
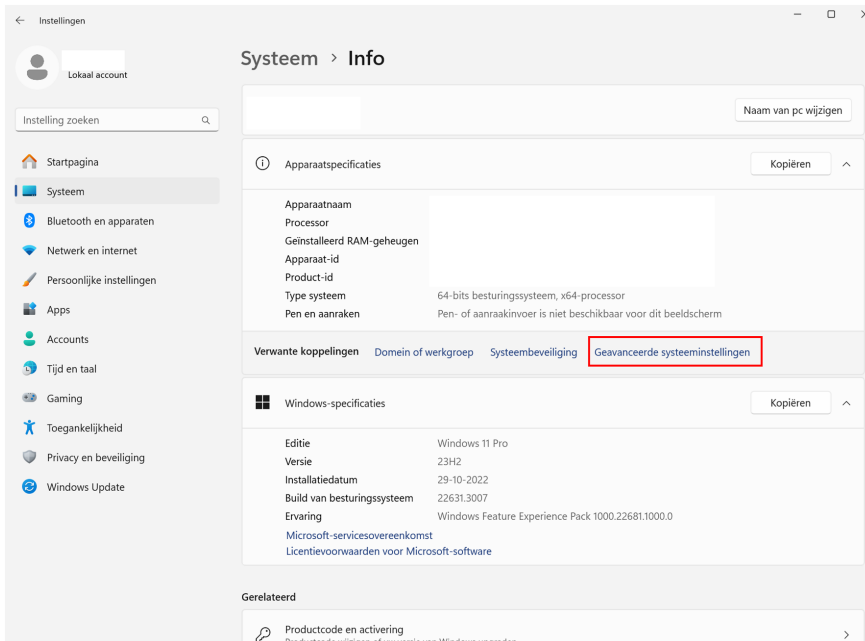
Download the ArgyllCMS package (in this example we are using a Windows system). I would choose 64-version

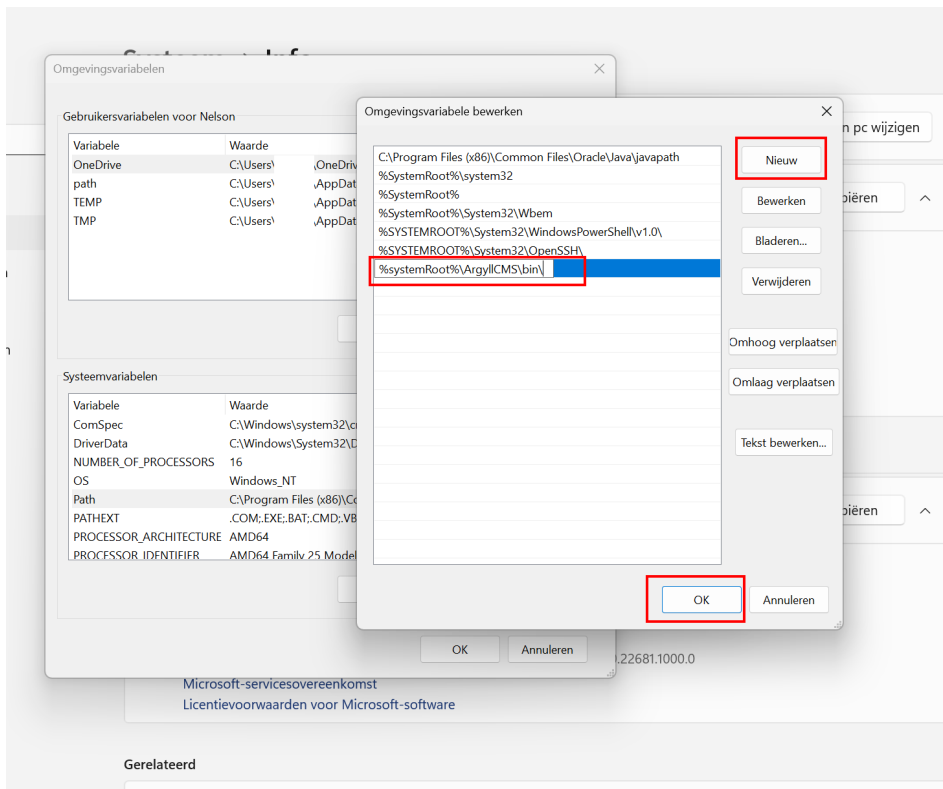


For ease of installation copy this directory to c:\ and rename it to c:\ArgyllCMS

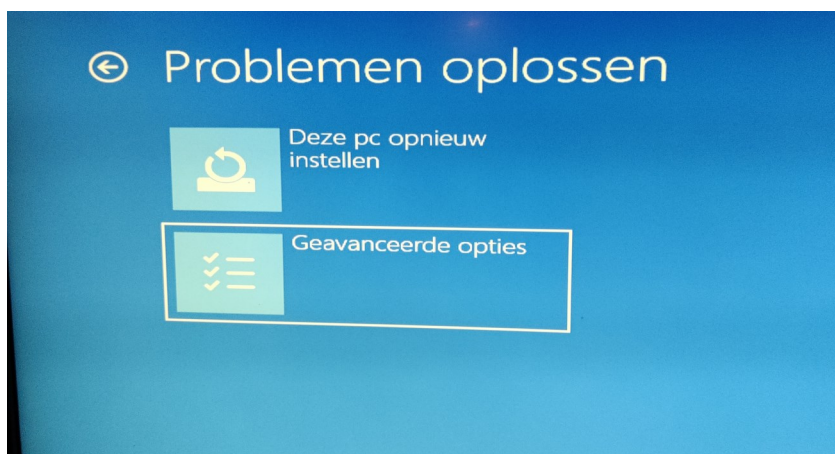
This make updates in the future easier without changing the path setting everytime when the directory name changes with each update. Also the next pages will refer to c:\ArgyllCMS for easier comprehension. You can rename the upcoming updates to ArgyllCMS and copy the whole directory structure to c:\ and the whole directory will be overwritten with the latest version.

After this we make the directory c:\ArgyllCMS\bin available when working in DOS box by adding the directory to the path setting in the Windows environment setting in the following pages.





After adding the path setting, restart Windows by holding down the shift button and choose the Windows start button: restart in order to start windows into service mode to disable driver signing. The ArgyllCMS driver is refused by Windows, so you have to disable this first before being able to install the alternative ArgyllCMS driver. You will get the following screens: choose the highlighted options.



## ← Geavanceerde opties

 <b>Opstartherstel</b> Problemen oplossen die ervoor zorgen dat Windows niet kan worden geladen	 <b>Updates verwijderen</b> Onlangs geïnstalleerde kwaliteits- of onderdelenupdates van Windows verwijderen
 <b>Opstartinstellingen</b> Opstartgedrag van Windows wijzigen	 <b>Instellingen voor UEFI-firmware</b> Wijzig instellingen in de UEFI-firmware van uw pc
 <b>Opdrachtprompt</b> De opdrachtprompt gebruiken voor geavanceerde probleemoplossing	 <b>Systeemherstel</b> Windows herstellen met een herstelpunt dat op uw pc is opgeslagen

Meer herstelopties weergeven

## ← Opstartinstellingen

Opnieuw opstarten om de volgende Windows-opties te wijzigen:

- Videomodus met lage resolutie inschakelen
- Foutopsporingsmodus inschakelen
- Logboekregistratie van opstarten inschakelen
- Veilige modus inschakelen
- Uitschakelen van stuurprogrammehandtekening bekrachtigen
- Vroeg ladende antimalwarebeveiliging uitschakelen
- Automatisch opnieuw opstarten na systeemfout uitschakelen

Opnieuw opstarten

After the last screen choose: restart and you will get another screen to disable driver signing (press 7 or F7 to disable driver signing) and the computer need to be restarted again for the last time:

## Opstartinstellingen

Druk op een cijfer om een van de onderstaande opties te kiezen:

Gebruik cijfertoetsen of de functietoetsen F1-F9.

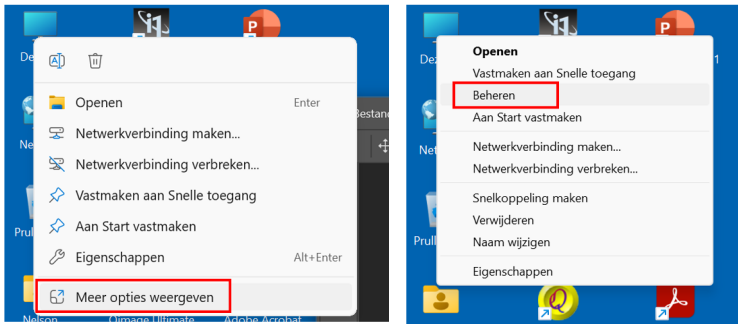
- 1) Foutopsporing inschakelen
- 2) Logboekregistratie van opstarten inschakelen
- 3) Video met lage resolutie inschakelen
- 4) Veilige modus inschakelen
- 5) Veilige modus met netwerkmogelijkheden inschakelen
- 6) Veilige modus met opdrachtprompt inschakelen
- 7) Afdwingen van stuurprogrammehandtekening uitschakelen
- 8) Vroeg ladende antimalwarebeveiliging uitschakelen
- 9) Automatisch opnieuw opstarten na fout uitschakelen

Druk op F10 of 0 voor meer opties

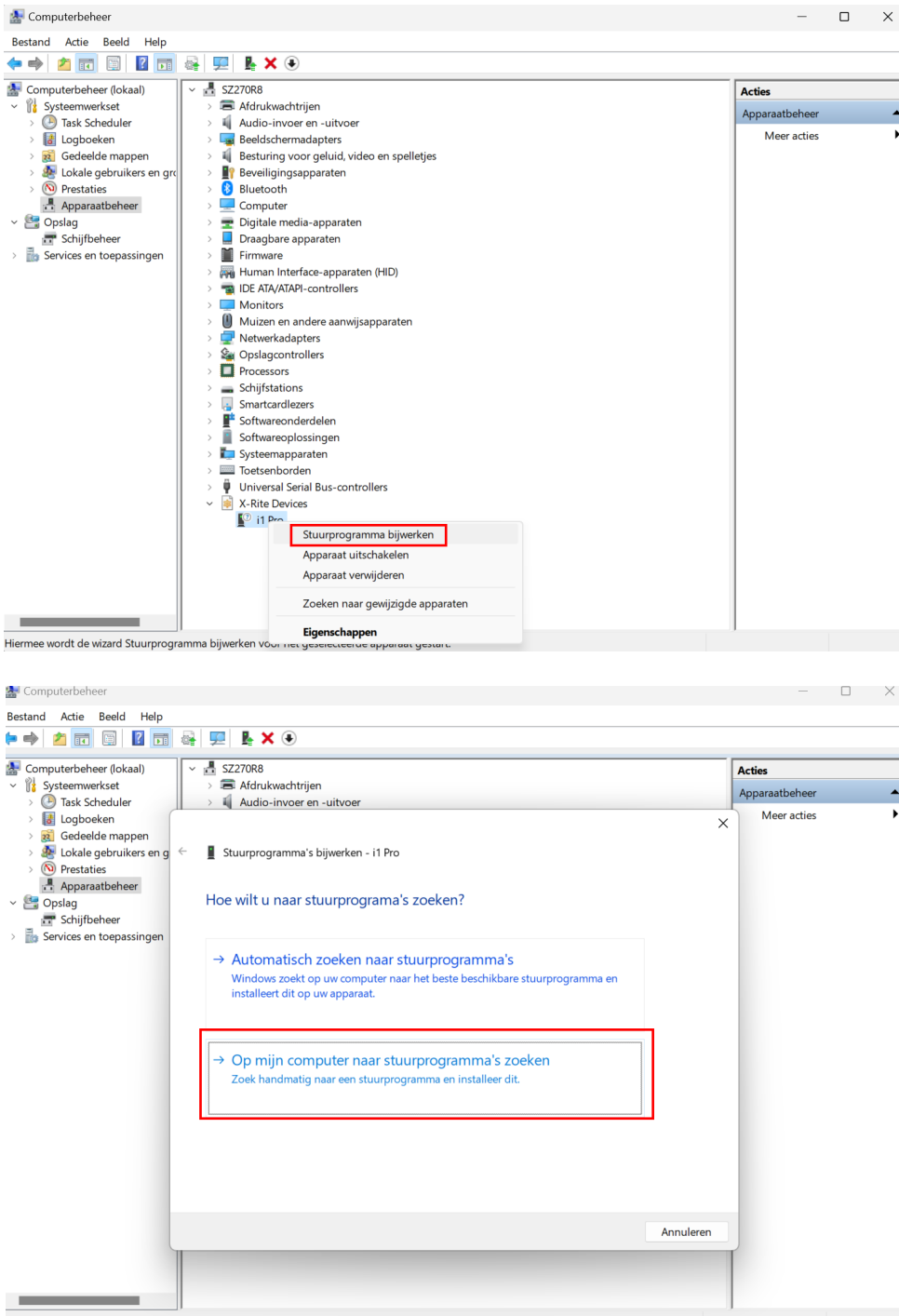
Druk op Enter om terug te gaan naar het besturingssysteem

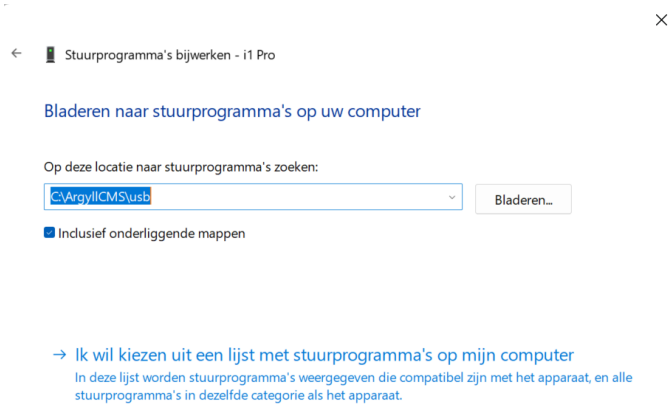


To install the ArgyllCMS driver: right click on “This Computer” and choose: more options to get the manage option and choose: manage.

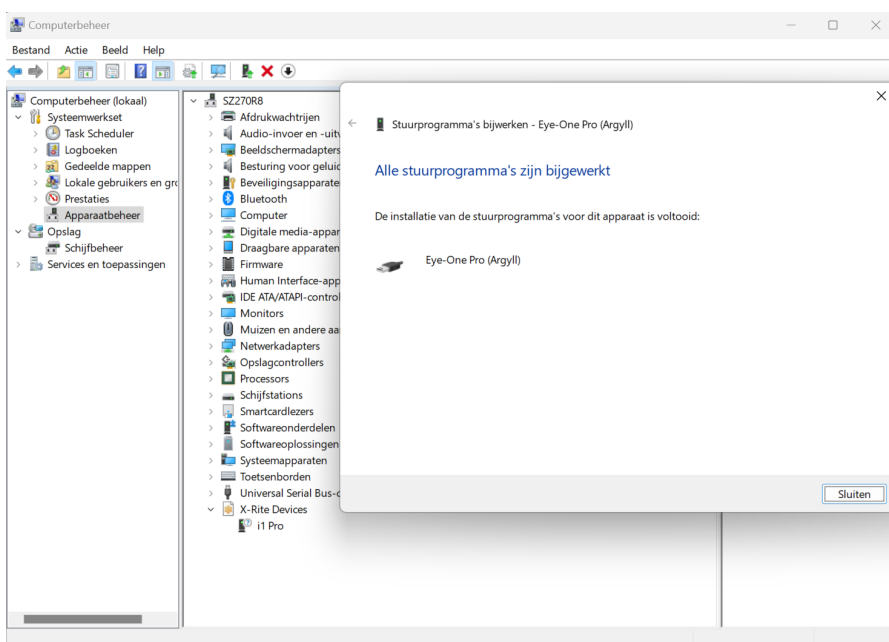
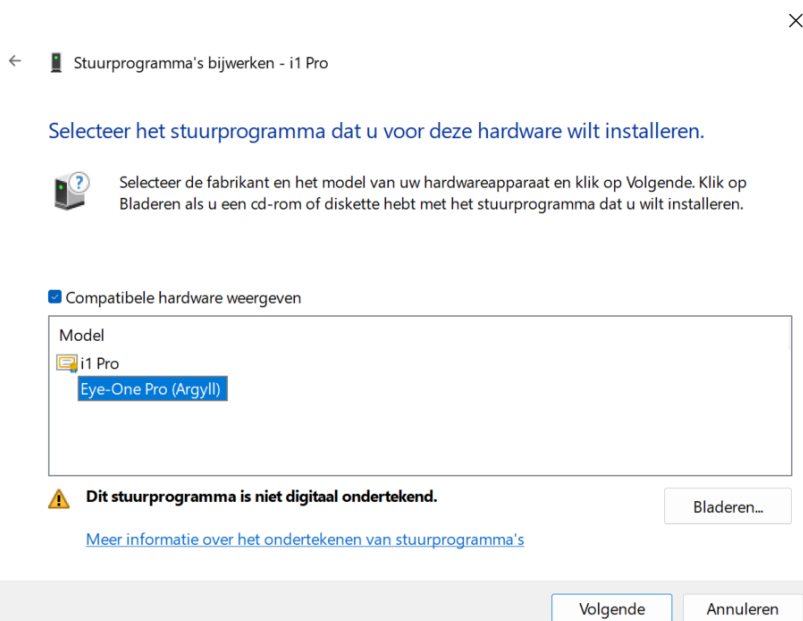


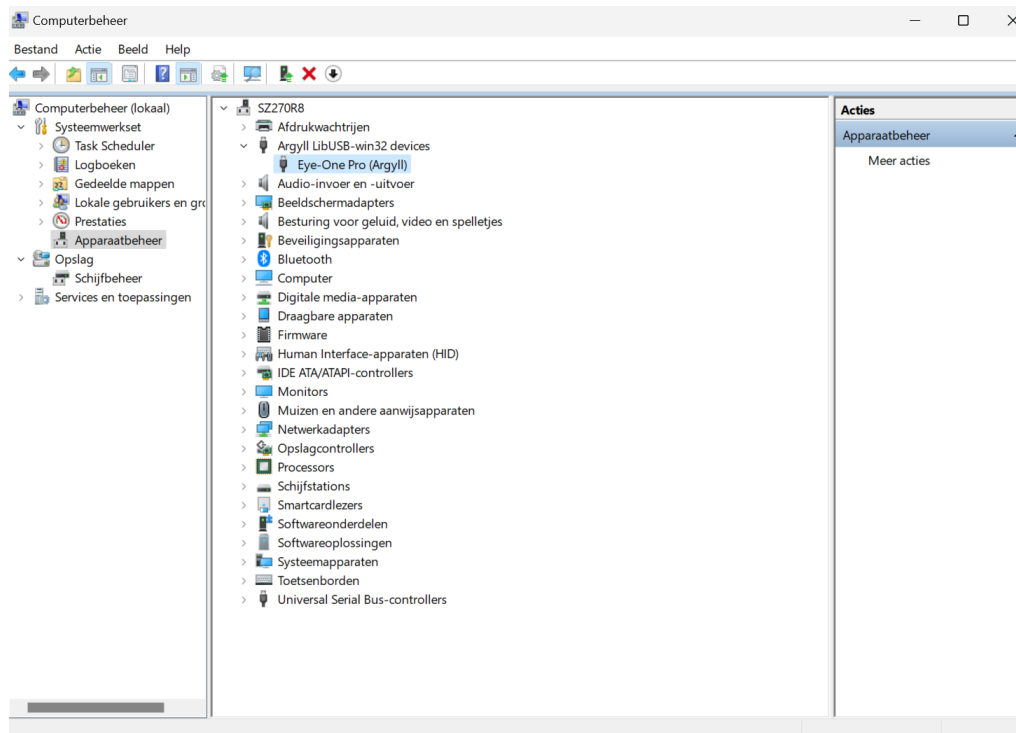
Right click on the X-Rite icon (after you have attached the i1pro2 or Colormunki and choose: update driver





We have installed ArgyllCMS in c:\ArgyllCMS so type in c:\ArgyllCMS\usb to open the \*.inf file where the alternative ArgyllCMS driver is located for your Colormunki or i1pro2 device





Everything is now installed and we can begin typing in dos command to scan your target.

Open a dos command and go to ArgyllCMS where you can drop the set of the desired target.

A set consists of the following files: \*.ti1 and \*.ti2 the target in \*.tif format (to be printed without color management) and be sure that a copy of AdobeRGB1998.icc is in the working directory (included with the target file set).

Let's say the target is called 875-target we will make a sub directory in c:\ArgyllCMS\875-target\

We go there and we type in:

Chartread -v -H -T0.4 875-target (or the name of the corresponding \*.ti2 file)

```
Opdrachtprompt - chartread x + v
Microsoft Windows [Version 10.0.22631.3007]
(c) Microsoft Corporation. Alle rechten voorbehouden.

C:\Users\Nelson>cd\

C:\>cd ArgyllCMS\875-target

C:\ArgyllCMS\875-target>dir
Volume in drive C is Systeemschijf
Volume Serial Number is E2AF-0274

Directory of C:\ArgyllCMS\875-target

21-01-2024  11:08    <DIR>          .
20-01-2024  15:37    <DIR>          ..
20-01-2024  15:38             53.273 875-target.ti1
21-01-2024  07:41             57.091 875-target.ti2
21-01-2024  08:22            439.120 875-target.tif
21-01-2024  08:23            513.574 875-target.zip
29-10-2022  22:09             560 AdobeRGB1998.icc
               5 File(s)      1.063.618 bytes
               2 Dir(s)      415.741.456.384 bytes free

C:\ArgyllCMS\875-target>chartread -v -H -T0.4 875-target
Steps in each Pass = 25
Passes in each Strip = 35
Instrument Type:  X-Rite i1 Pro 2
Serial Number:    1056686
Firmware version: 634
CPLD version:     999
Chip ID:          01-86da1018000d1
Date manufactured: 20-15-901
U.V. filter?:     No
Measure Ambient?: Yes
Tot. Measurement Count:      7242
Remission Spot Count:       395
Remission Scan Count:       1029
Date of last Remission spot cal:  Thu Jan 01 01:00:00 1970
Remission Spot Count at last cal: 0
Total lamp usage:           3291.877930
Warning: chart is for GretagMacbeth i1 Pro, using instrument X-Rite i1 Pro 2

Place the instrument on its reflective white reference S/N 1056686,
and then hit any key to continue,
or hit Esc or Q to abort: |
```

Now follow the instructions to scan the rows

```
Opdrachtprompt - chartread x + v
Directory of C:\ArgyllCMS\875-target
21-01-2024 11:08 <DIR> .
20-01-2024 15:37 <DIR> ..
20-01-2024 15:38 53.273 875-target.tif
21-01-2024 07:41 57.091 875-target.tif2
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
5 File(s) 1.063.618 bytes
2 Dir(s) 415.741.456.384 bytes free

C:\ArgyllCMS\875-target>chartread -v -H -T0.4 875-target
Steps in each Pass = 25
Passes in each Strip = 35
Instrument Type: X-Rite i1 Pro 2
Serial Number: 1056686
Firmware version: 634
CPLD version: 999
Chip ID: 01-86dal0180000d1
Date manufactured: 20-15-901
U.V. filter?: No
Measure Ambient?: Yes
Tot. Measurement Count: 7242
Remission Spot Count: 395
Remission Scan Count: 1029
Date of last Remission spot cal: Thu Jan 01 01:00:00 1970
Remission Spot Count at last cal: 0
Total lamp usage: 3291.877930
Warning: chart is for GretagMacbeth i1 Pro, using instrument X-Rite i1 Pro 2

Place the instrument on its reflective white reference S/N 1056686,
and then hit any key to continue,
or hit Esc or Q to abort:
Calibration complete

Ready to read strip pass A
Press 'f' to move forward, 'b' to move back, 'n' for next unread,
'd' when done, Esc or 'q' to quit without saving.
Trigger instrument switch or any other key to start:
Strip read OK

Ready to read strip pass B
Press 'f' to move forward, 'b' to move back, 'n' for next unread,
'd' when done, Esc or 'q' to quit without saving.
Trigger instrument switch or any other key to start:|
```

When everything has been read: type d to save to the \*.tif3 file

To make profile making easier copy the makeprofile.bat to c:\ArgyllCMS\bin file so it is available to DOS to produce the profile.

```
Opdrachtprompt - makeprofi x + v
Directory of C:\ArgyllCMS\875-target
21-01-2024 11:08 <DIR> .
20-01-2024 15:37 <DIR> ..
20-01-2024 15:38 53.273 875-target.tif
21-01-2024 07:41 57.091 875-target.tif2
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
5 File(s) 1.063.618 bytes
2 Dir(s) 415.538.769.920 bytes free

C:\ArgyllCMS\875-target>dir
Volume in drive C is Systemschijf
Volume Serial Number is E2AF-0274

Directory of C:\ArgyllCMS\875-target
21-01-2024 11:08 <DIR> .
20-01-2024 15:37 <DIR> ..
20-01-2024 15:38 53.273 875-target.tif
21-01-2024 07:41 57.091 875-target.tif2
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
5 File(s) 1.063.618 bytes
2 Dir(s) 415.538.769.920 bytes free

C:\ArgyllCMS\875-target>dir
Volume in drive C is Systemschijf
Volume Serial Number is E2AF-0274

Directory of C:\ArgyllCMS\875-target
21-01-2024 11:08 <DIR> .
20-01-2024 15:37 <DIR> ..
20-01-2024 15:38 53.273 875-target.tif
21-01-2024 07:41 57.091 875-target.tif2
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
5 File(s) 1.063.618 bytes
2 Dir(s) 415.538.769.920 bytes free

C:\ArgyllCMS\875-target>makeprofile
Please enter the internal ICC file name (use brackets like "x x x" for names with spaces): "My first profile with ArgyllCMS"
```



```
Opdrachtprompt - makeprofil X + -
21-01-2024 11:08 <DIR> .
20-01-2024 15:37 <DIR> ..
20-01-2024 15:38 53.273 875-target.tif
21-01-2024 07:41 57.091 875-target.tif2
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
5 File(s) 1.063.618 bytes
2 Dir(s) 415.538.769.920 bytes free

C:\ArgyllCMS\875-target>dir
Volume in drive C is Systeemschijf
Volume Serial Number is E2AF-0274

Directory of C:\ArgyllCMS\875-target

21-01-2024 11:08 <DIR> .
20-01-2024 15:37 <DIR> ..
20-01-2024 15:38 53.273 875-target.tif
21-01-2024 07:41 57.091 875-target.tif2
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
5 File(s) 1.063.618 bytes
2 Dir(s) 415.538.769.920 bytes free

C:\ArgyllCMS\875-target>dir
Volume in drive C is Systeemschijf
Volume Serial Number is E2AF-0274

Directory of C:\ArgyllCMS\875-target

21-01-2024 11:08 <DIR> .
20-01-2024 15:37 <DIR> ..
20-01-2024 15:38 53.273 875-target.tif
21-01-2024 07:41 57.091 875-target.tif2
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
5 File(s) 1.063.618 bytes
2 Dir(s) 415.538.769.920 bytes free

C:\ArgyllCMS\875-target>makeprofile
Please enter the internal ICC file name (use brackets like "x x x" for names with spaces): "My first profile with ArgyllCMS"

Please enter the (optional) copyright description (use brackets like "x x x" for names with spaces): "ArgyllCMS created profile"
```

```
Opdrachtprompt - makeprofil X + -
20-01-2024 15:38 53.273 875-target.tif
21-01-2024 07:41 57.091 875-target.tif2
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
5 File(s) 1.063.618 bytes
2 Dir(s) 415.538.769.920 bytes free

C:\ArgyllCMS\875-target>dir
Volume in drive C is Systeemschijf
Volume Serial Number is E2AF-0274

Directory of C:\ArgyllCMS\875-target

21-01-2024 11:08 <DIR> .
20-01-2024 15:37 <DIR> ..
20-01-2024 15:38 53.273 875-target.tif
21-01-2024 07:41 57.091 875-target.tif2
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
5 File(s) 1.063.618 bytes
2 Dir(s) 415.538.769.920 bytes free

C:\ArgyllCMS\875-target>dir
Volume in drive C is Systeemschijf
Volume Serial Number is E2AF-0274

Directory of C:\ArgyllCMS\875-target

21-01-2024 11:08 <DIR> .
20-01-2024 15:37 <DIR> ..
20-01-2024 15:38 53.273 875-target.tif
21-01-2024 07:41 57.091 875-target.tif2
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
5 File(s) 1.063.618 bytes
2 Dir(s) 415.538.769.920 bytes free

C:\ArgyllCMS\875-target>makeprofile
Please enter the internal ICC file name (use brackets like "x x x" for names with spaces): "My first profile with ArgyllCMS"

Please enter the (optional) copyright description (use brackets like "x x x" for names with spaces): "ArgyllCMS created profile"

Enter the name of the .tif file created by the chartread command: 875-target
```

```
Opdrachtprompt - makeprofil X + -
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
5 File(s) 1.063.618 bytes
2 Dir(s) 415.538.769.920 bytes free

C:\ArgyllCMS\875-target>dir
Volume in drive C is Systeemschijf
Volume Serial Number is E2AF-0274

Directory of C:\ArgyllCMS\875-target

21-01-2024 11:08 <DIR> .
20-01-2024 15:37 <DIR> ..
20-01-2024 15:38 53.273 875-target.tif
21-01-2024 07:41 57.091 875-target.tif2
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
5 File(s) 1.063.618 bytes
2 Dir(s) 415.538.769.920 bytes free

C:\ArgyllCMS\875-target>dir
Volume in drive C is Systeemschijf
Volume Serial Number is E2AF-0274

Directory of C:\ArgyllCMS\875-target

21-01-2024 11:08 <DIR> .
20-01-2024 15:37 <DIR> ..
20-01-2024 15:38 53.273 875-target.tif
21-01-2024 07:41 57.091 875-target.tif2
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
5 File(s) 1.063.618 bytes
2 Dir(s) 415.538.769.920 bytes free

C:\ArgyllCMS\875-target>makeprofile
Please enter the internal ICC file name (use brackets like "x x x" for names with spaces): "My first profile with ArgyllCMS"

Please enter the (optional) copyright description (use brackets like "x x x" for names with spaces): "ArgyllCMS created profile"

Enter the name of the .tif file created by the chartread command: 875-target

Please enter the desired external name of your printer profile: My_first_profile_with_ArgyllCMS
```

Now the system is generating the profile. It takes several minutes to create the profile.

[illegible]

When the process is done the profile is generated and can be installed. See picture below where the profile name is My first profile with ArgyllCMS.icm

```

Opdrachtprompt + ~
No og 1366 max 3.880835 avg 0.295253, No ig 3406 max 7.088385 avg 0.645046, avg rext -0.354048
No og 2308 max 3.264768 avg 0.265714, No ig 2464 max 3.848270 avg 0.305078, avg rext -0.354048
No og 1634 max 2.503989 avg 0.220358, No ig 3138 max 4.508318 avg 0.378355, avg rext -0.354048
No og 1351 max 2.192335 avg 0.205899, No ig 3421 max 4.936069 avg 0.426917, avg rext -0.354048
Sub-surface smoothing changed by max 4.170826, average 0.376929
Creating rspl..
Fine tuning white and black point mapping
White is 99.273955 -0.530452 1.176319, should be 100.000000 -0.672145 0.770116
Black is 12.297182 -3.394310 -3.184486, should be 12.945269 -3.209743 -2.889397
After fine tuning:
White is 100.000000 -0.672145 0.770116, should be 100.000000 -0.672145 0.770116
Black is 12.945269 -3.209743 -2.889397, should be 12.945269 -3.209743 -2.889397
Creating B to A tables
Rev cache RAM = 12722 Mbytes
Initializing nnrev arrays...
There is 1 rev cache instance with 12722 Mbytes limit
nnrev initialization done
Initializing nnrev arrays...
There are 2 rev cache instances with 6361 Mbytes limit
nnrev initialization done
100%
Done B to A tables
Creating gamut boundary table
100%
Done gamut boundary table
Profile check complete, peak err = 48.463438, avg err = 0.987735, RMS = 2.810537

C:\ArgyllCMS\875-target>dir
Volume in drive C is Systeemschijf
Volume Serial Number is E2AF-0274

Directory of C:\ArgyllCMS\875-target

21-01-2024 11:34 <DIR> .
20-01-2024 15:37 <DIR> ..
20-01-2024 15:38 53.273 875-target.til
21-01-2024 07:41 57.091 875-target.ti2
21-01-2024 09:26 900.560 875-target.ti3
21-01-2024 08:22 439.120 875-target.tif
21-01-2024 08:23 513.574 875-target.zip
29-10-2022 22:09 560 AdobeRGB1998.icc
21-01-2024 11:34 1.936.112 My_first_profile_with_ArgyllCMS.icm
7 File(s) 3.900.290 bytes
2 Dir(s) 415.536.578.560 bytes free

C:\ArgyllCMS\875-target>

```