

Installing Windows 11 drivers for older Aaronia USB devices

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2 Problem Description

When installing software for older Aaronia USB devices under Windows 11 (and some variants of Windows 10), it may happen that Windows will refuse to load the provided drivers for those devices. As a consequence, the corresponding application software like Aaronia MCS will not be able to find those devices.

This is caused by changed driver signature requirements from Microsoft that were introduced in later versions of Windows 10 and appear to be enforced more strictly in Windows 11. The drivers bundled with the original Aaronia applications do not meet those updated requirements.

As a solution, Aaronia provides a new driver package for those devices explicitly for Windows 10 and 11.

2.1 Affected Devices

The following Aaronia USB devices are potentially affected by this problem:

- SPECTRAN NF series
- SPECTRAN V3 series
- SPECTRAN V4 series
- SPECTRAN V5 series
- GPS Logger
- IsoLOG 3D Mobile series
- UBBV amplifier series

Other Aaronia USB devices, in particular the SPECTRAN V6 series, are not affected by this and this document does not apply to them.

Please note that the listed devices are **potentially** affected. Only follow the instructions below if you actually encounter the specific problem. Also, the solution is specific for Windows 11 and later variants of Windows 10, it will NOT work on earlier versions of Windows as those do not support the changed signature requirements.

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3 Driver Installation

In most cases, it should be sufficient to simply install the new driver package without any special preparations. If this doesn't work for you, please see the Troubleshooting section for potential solutions.

3.1 Download Windows 11 Driver Package

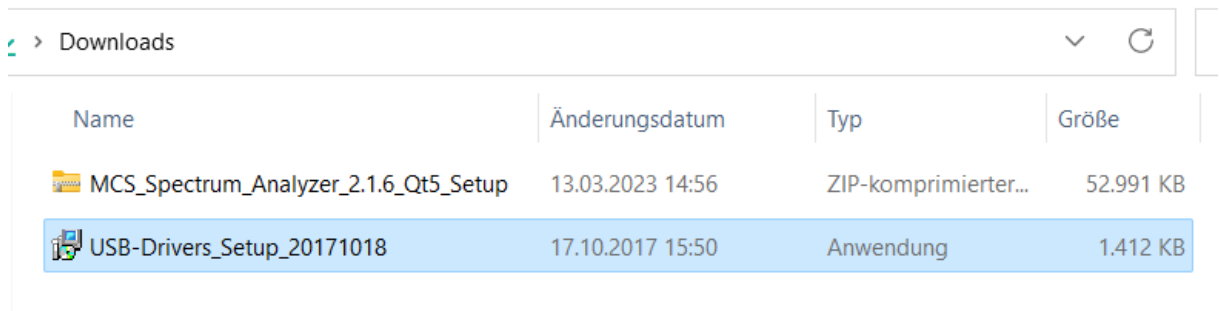
If you did not obtain the driver package together with these instructions, you can download it from the Aaronia website. The driver package is available at https://downloads.aaronia.com/software/USB-Drivers_Setup_20171018.zip

It contains the drivers for all affected devices.

Store the file in a location you will remember.

3.2 Installing Windows 11 Driver Package

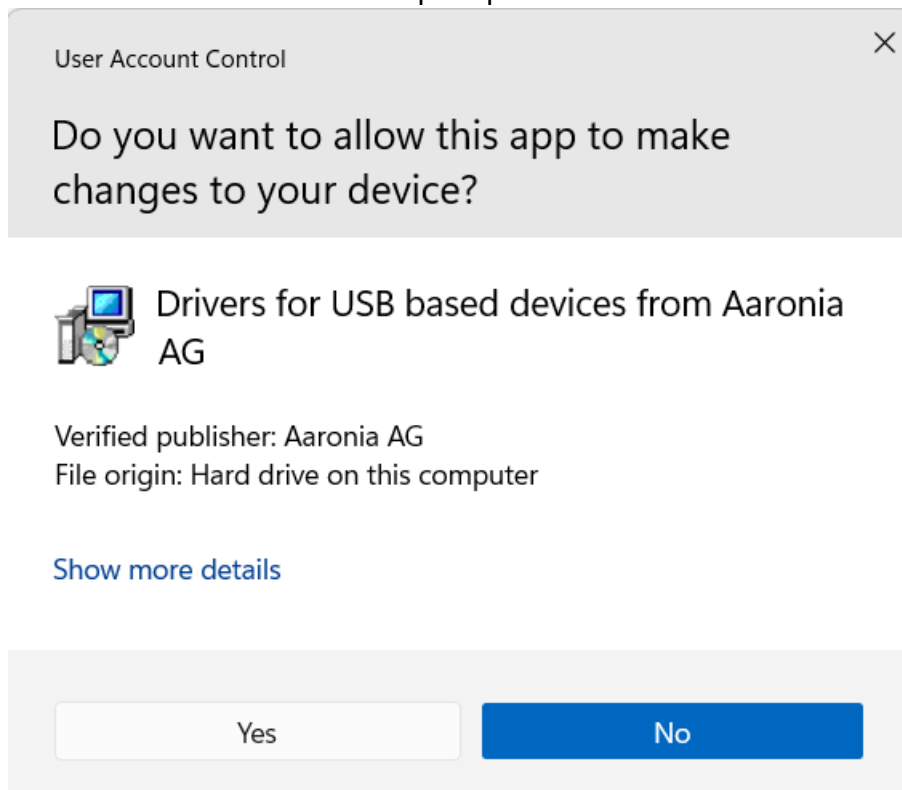
- 1) Open File Explorer and navigate to the location where you stored the driver package
- 2) Double click on the driver package file:



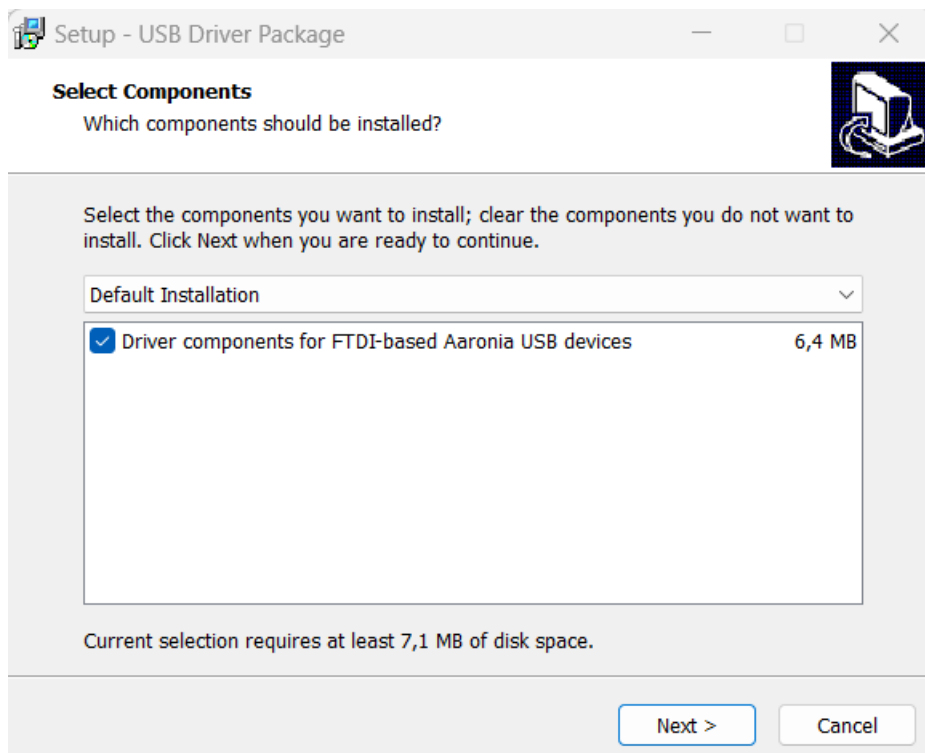
Downloads			
Name	Änderungsdatum	Typ	Größe
MCS_Spectrum_Analyzer_2.1.6_Qt5_Setup	13.03.2023 14:56	ZIP-komprimierter...	52.991 KB
USB-Drivers_Setup_20171018	17.10.2017 15:50	Anwendung	1.412 KB

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- 3) Click "Yes" on the confirmation prompt:

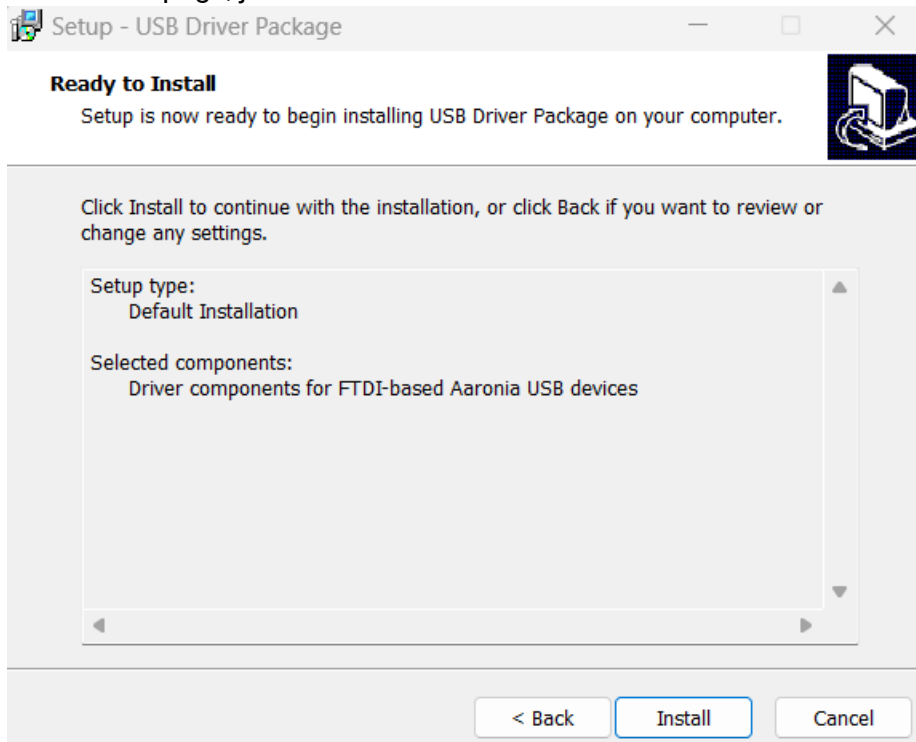


- 4) In the upcoming Installer windows, ensure that "Driver components for FTDI-based Aaronia USB devices" is enabled and click "Next":

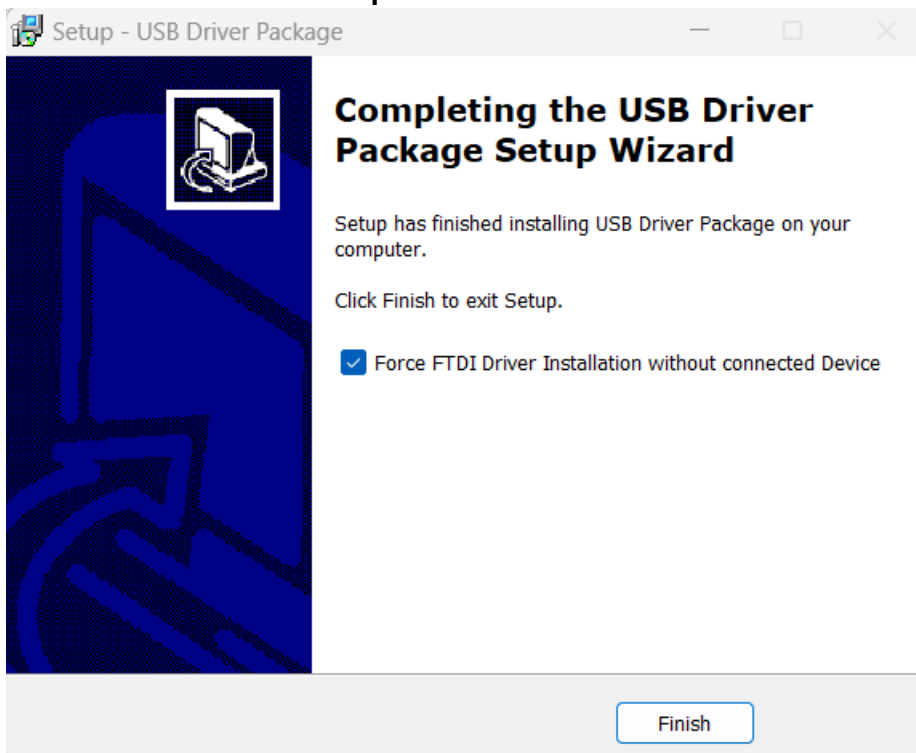


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- 5) On the next page, just click “Install”:

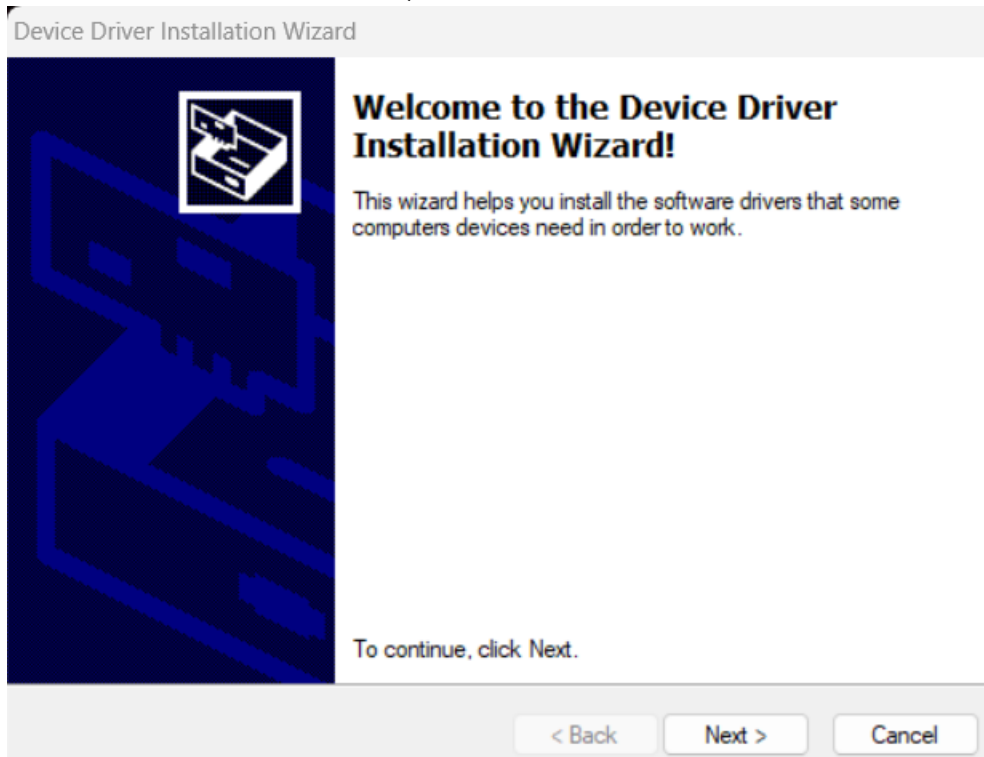


- 6) On the next page, ensure that “Force FTDI Driver installation without connected devices” is enabled before clicking on “Finish”. **This is necessary to trigger the actual Windows driver installation process:**



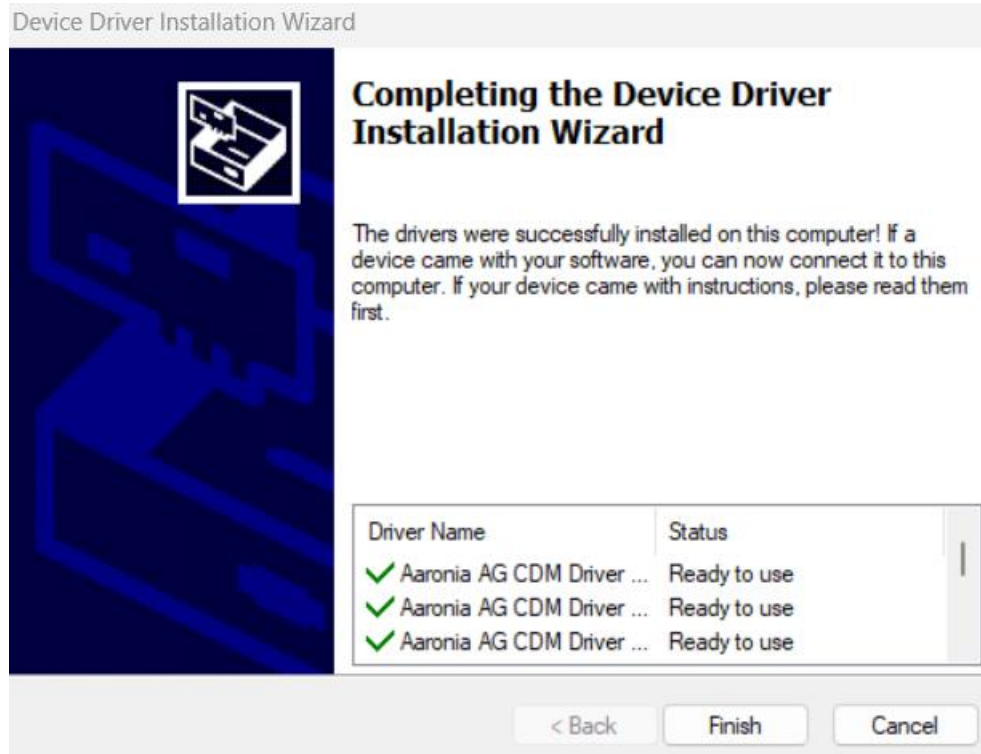
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- 7) In the Driver installation wizard, click "Next":



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- 8) On the next page, check that all drivers were installed correctly (green checkmark) and click "Finish":



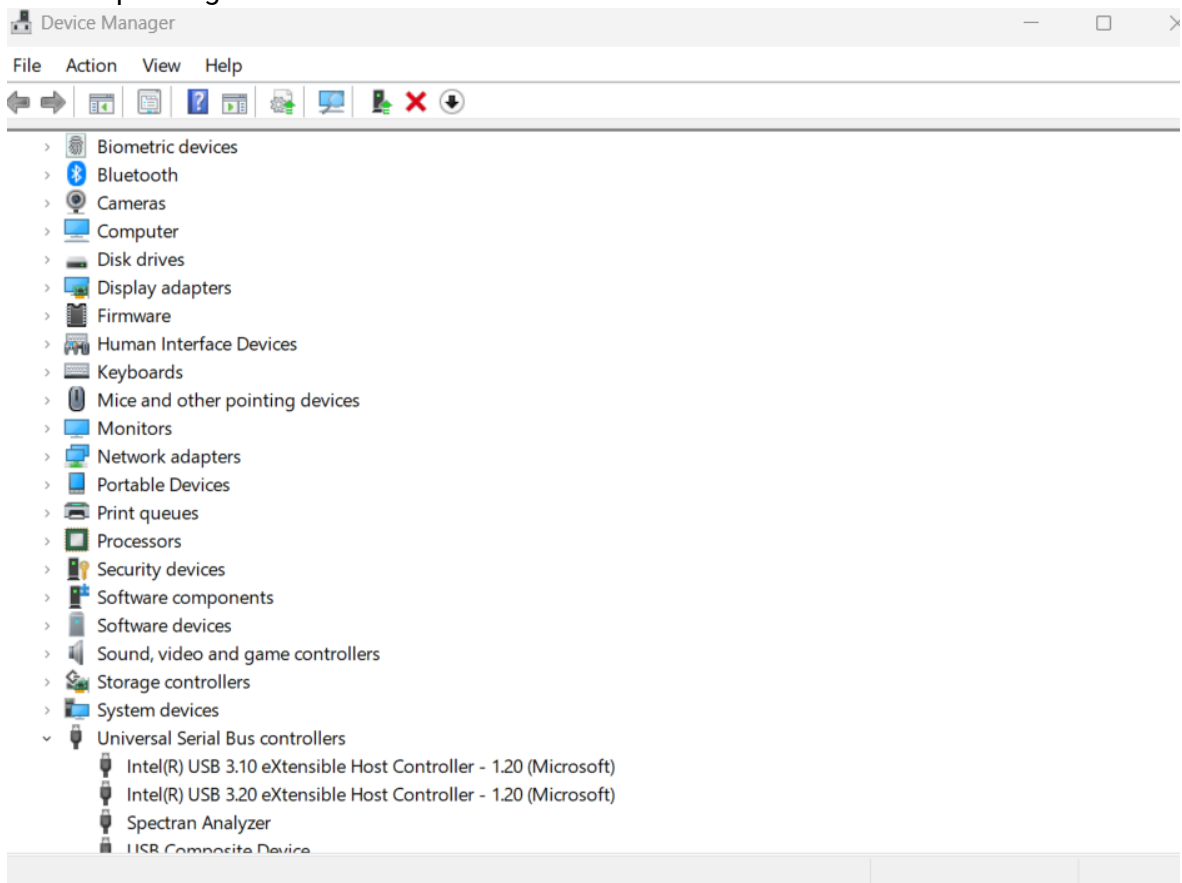
- 9) Device should now be using the new driver and work correctly in the application. If the problem persists please refer to the Troubleshooting section.

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3.3 Check Driver Version

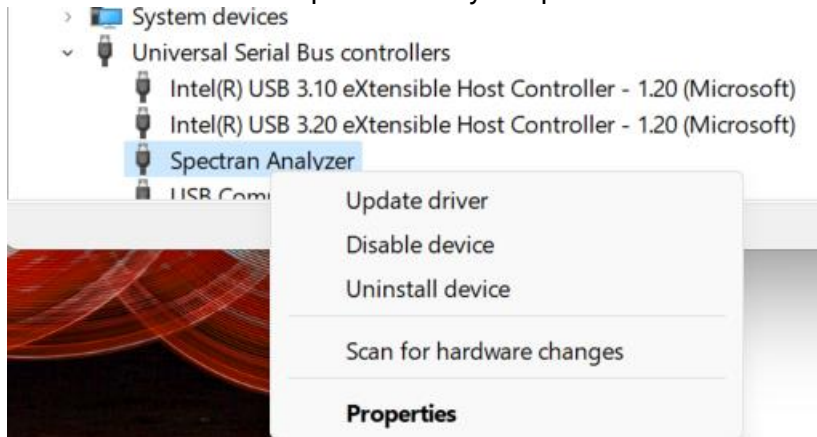
To validate that the driver was installed correctly and is actually used by Windows for a given device, you can check the driver version using the Windows Device Manager as follows:

- 1) Open the Windows Device Manager by opening the Start Menu, then type "Device Manager" and press Enter.
- 2) In the Device Manager window, navigate to the entry for your Aaronia USB device. This should be located in the "Universal Serial Bus Controllers" section, the name will differ depending on the actual device:



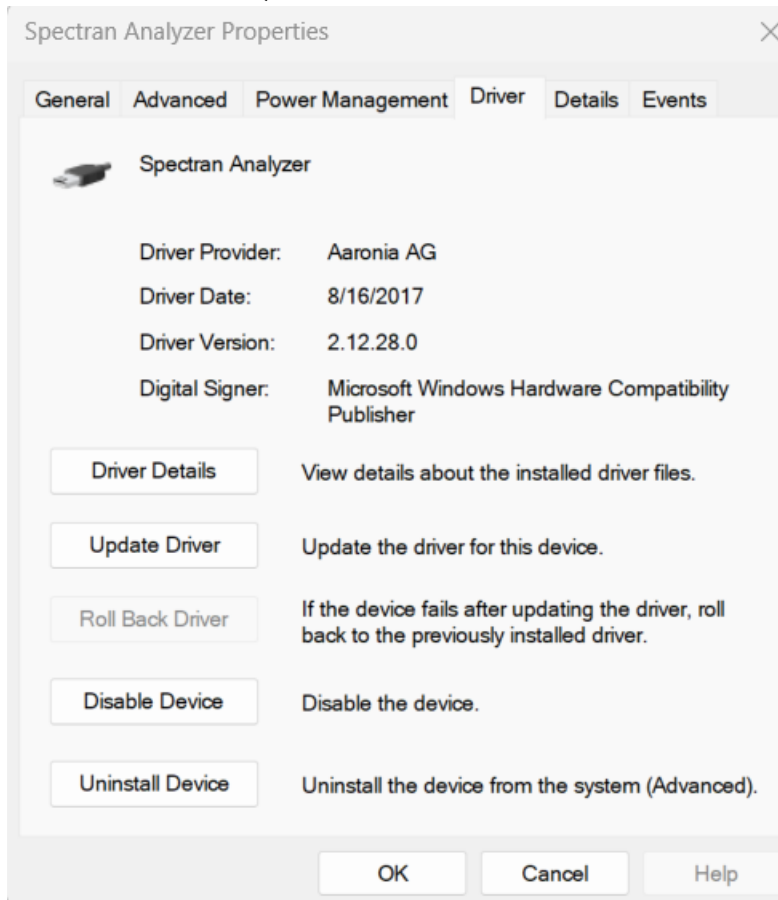
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- 3) Select the entry of your device and press the right mouse button to open the context menu. Click on the “Properties” entry to open the device details dialog:



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- 4) In the device details, select the “Driver” tab:



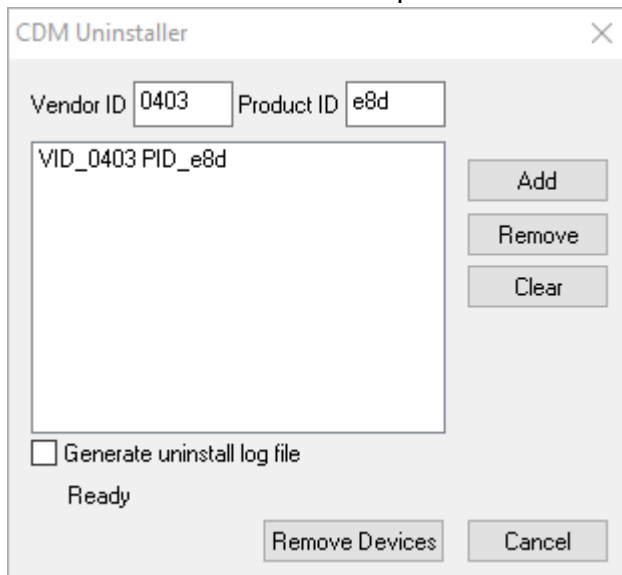
- 5) Ensure that the values for “Driver Provider”, “Driver Date”, “Driver Version” and “Digital Signer” match the above image. For “Driver Date” and “Driver Version”, a later date or version are also acceptable.
- 6) If the values do not match, in particular if “Digital Signer” does not refer to Microsoft, the problem may not be solved yet. In that case, please proceed to the Troubleshooting section.

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4 Troubleshooting

If for some reason the simple installation did not solve the issue it may be necessary to perform a clean install first:

- Disconnect all Aaronia USB devices from your computer.
- Uninstall all related Aaronia applications from your computer using Windows software manager: Open the Start Menu, type "Add or remove programs" and press Enter. Check the list for any Aaronia application software and remove it.
- Download the CDM Uninstaller application from <https://ftdichip.com/utilities/#cdm-uninstaller> and launch the CDMuninstallerGUI utility. Leave the Vendor ID as "0403", enter "e8d" as Product ID and press "Add":



Then press "Remove Devices" to remove all traces of Aaronia USB drivers from the Windows installation.

- Reboot Windows.
- Reinstall the Aaronia application software intended for your device. Ignore errors related to driver installation at this point.
- Install the Windows 11 driver package as described in section 3.

If the problem still persists, please contact Aaronia support.