

NOVA MOUNT ASCOM DRIVER MAJOR UPDATE installation process

**March 9th, 2026
V1.02**



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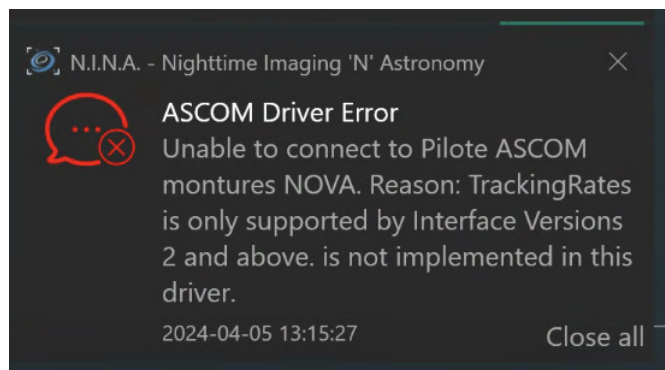
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History releases

Initial release	September 2024	V 1.00
1 st update	September 2025	V 1.01
2 nd update	March 2026	V 1.02

1 Scope of the document

Some software, like N.I.N.A V3.x, or other cannot use DDR control mount ASCOM software (DDR_ASTRO_ASCOM_Control.exe) anymore because of issues related to compliance into exposed COM interface. This document will not cover the details of the errors, but hereafter a screen copy of N.I.N.A V3 when trying to connect the mount.



Deep modifications have been undertaken in order to fix the issue and resume operation with that software.

2 Changes performed

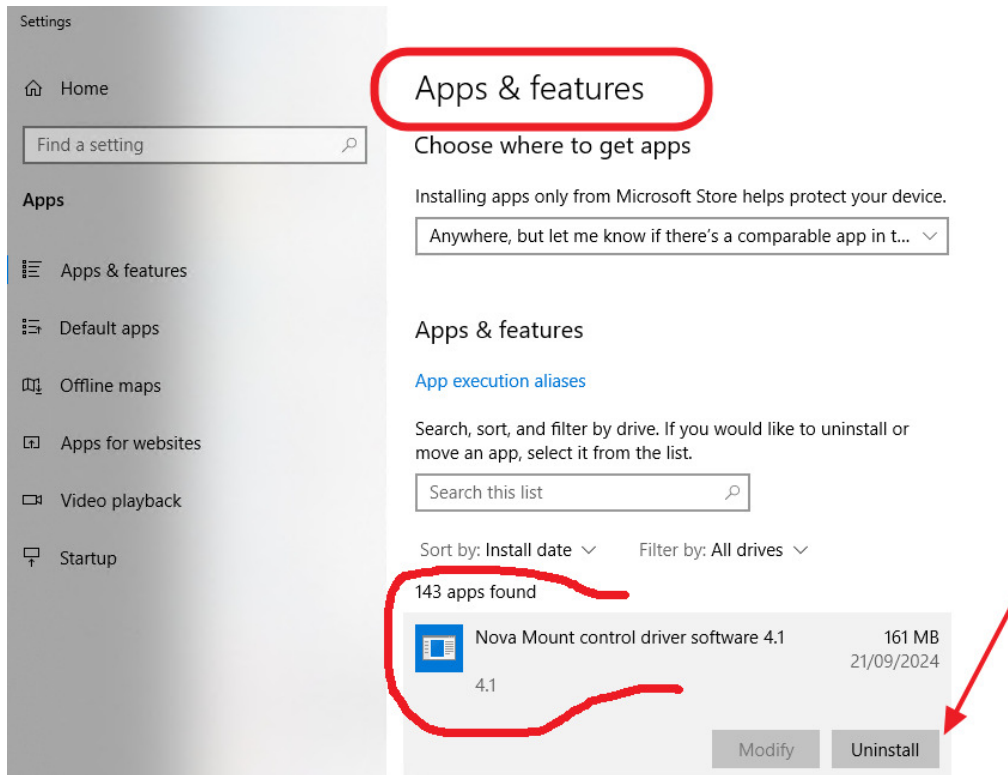
DDR_ASTRO_ASCOM_Control.exe does not expose directly ASCOM interface anymore, this is now achieved by another .exe file called ASCOM.AlcorDDR.exe, this latter “bridges”, or forwards all ASCOM calls to DDR_ASTRO_ASCOM_Control.exe.

Also changes into the windows database registry classes has been carried also to resolve the issue.

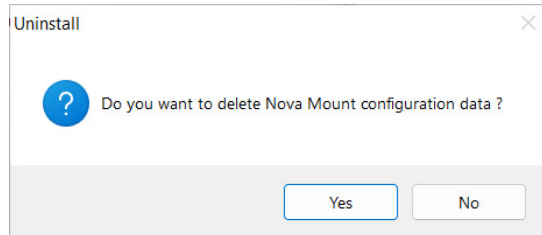
3 Prerequisites

Any previous version of DDR_ASTRO_ASCOM_Control must be uninstalled first.

Go in the windows “**Apps & Features**”, find “**Nova Mount control driver software**”, then click **Uninstall**.



Very important, **NEVER REPLY "YES", please PRESS "NO"** to the question "Do you want to delete Nova Mount configuration data ?", otherwise you will lose **ALL** the configuration data of your mount stored in the registry database.



If **"Yes"** is pressed **all data** from "HKEY_CURRENT_USER\Software\DDR_ASTRO" in database registry will be deleted and the **mount will become unusable**.

If you did it by mistake, the only way to recover from this is to perform a restore system file and setting (if enabled in your system).



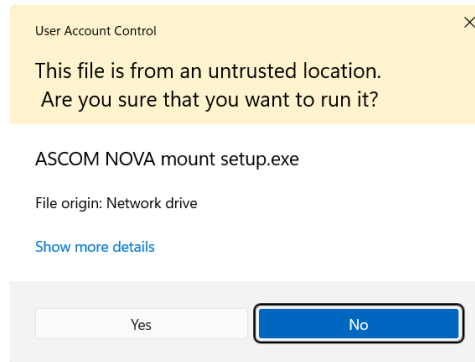
Any previous version of the software MUST be uninstalled.

4 Upgraded software installation

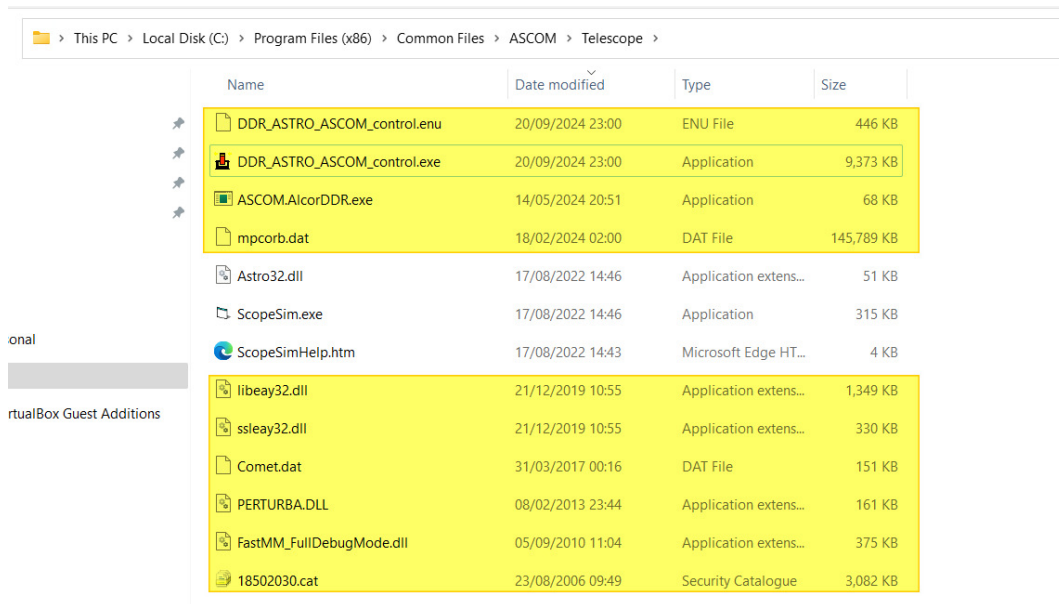
Go here and download the file located here

https://www.alcor-system.com/common/DDR_Astro/software/ASCOM%20NOVA%20mount%20setup.exe

The new file “ASCOM NOVA mount setup.exe” is now on your PC. Please click on it to open. If you get this message please press “Yes”

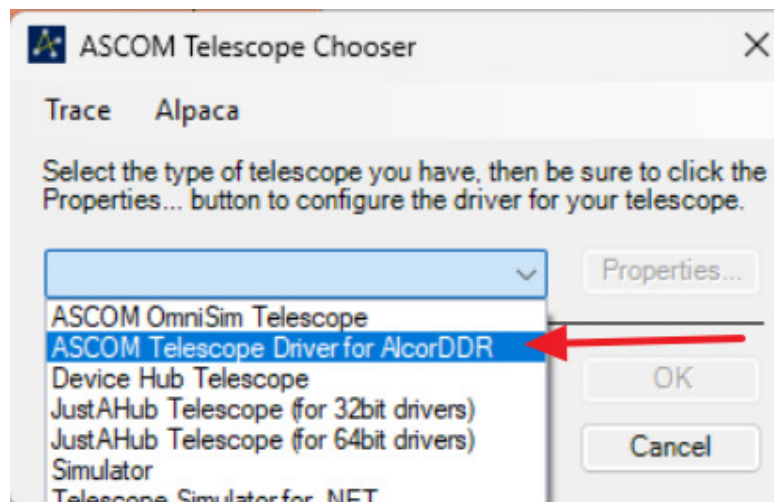


At the end of the installation files are copied in this folder (in Yellow). Also, classes registrations are automatically performed by the installer.



Once installed, if any compliant ASCOM software is used, please use in the telescope chooser the

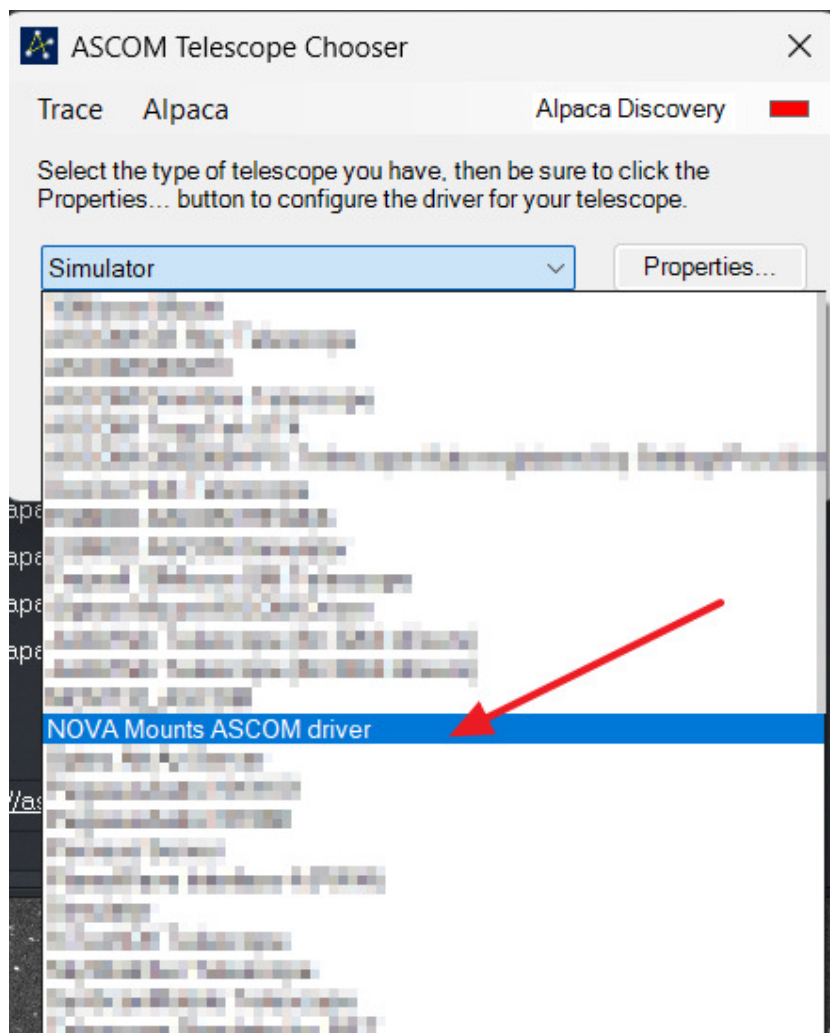
“ASCOM DDR Alcor Driver”.



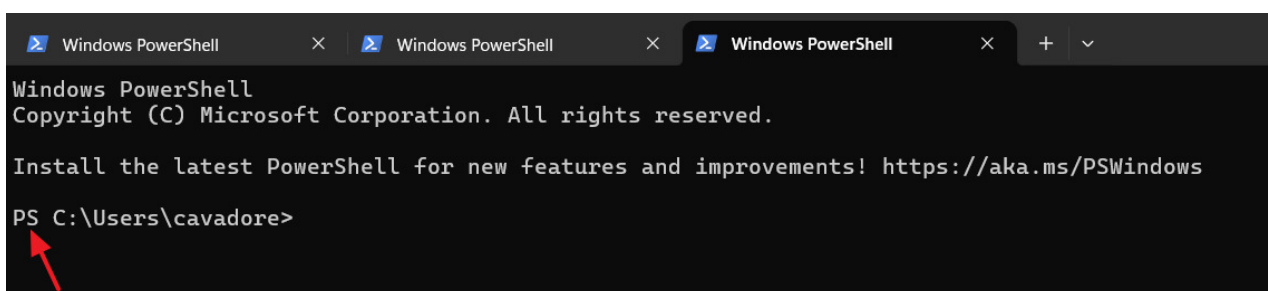
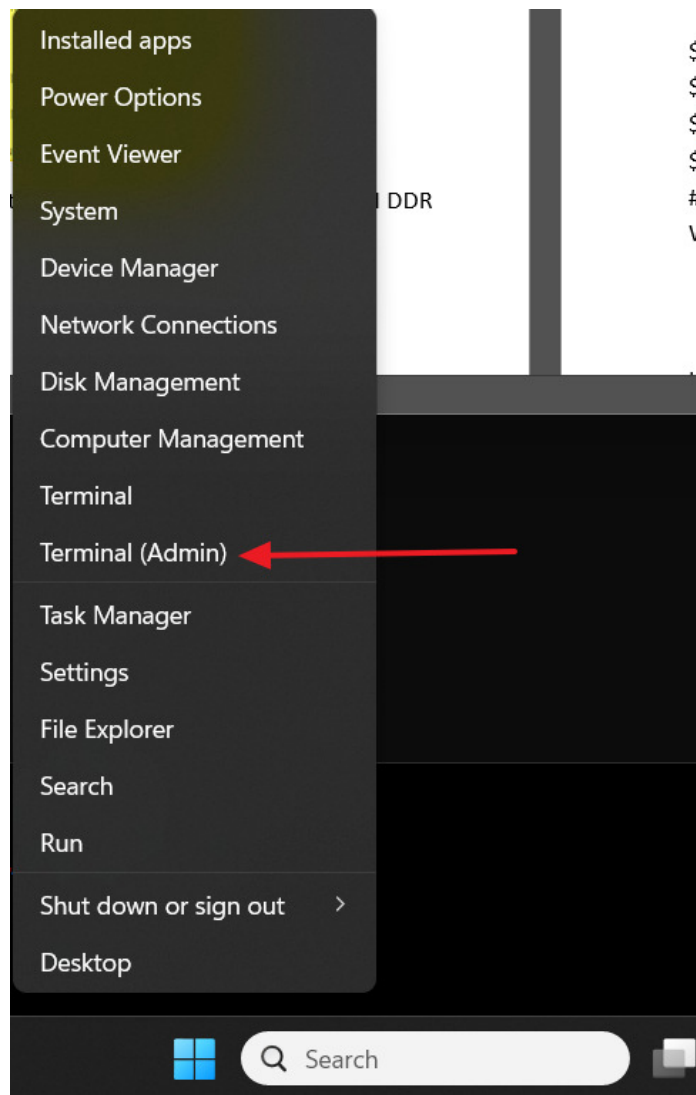
Then, it can be used as usual, the same interface from the software will appear.

For programmers, the ASCOM Class ID to call is now **ASCOM.AlcorDDR.Telescope** and not anymore **DDR_ASCOM.Telescope**

If you want to remove the previous driver entry visible in the driver list in the ASCOM chooser :



Please, do as following, because it was not removed by the uninstaller.
Open as admin a "Powershell Terminal"



Type

```
Set-ExecutionPolicy RemoteSigned
```

To be able to run powershell scripts, then create a text file named, say, "*clean.ps1*"

And input these lines :

```
$profile = New-Object -ComObject "ASCOM.Utilities.Profile"  
$profile.DeviceType = "Telescope"  
$profile.Unregister("DDR_ASCOM.Telescope")  
$profile.Unregister("ASCOM.DDRBridge.Telescope")  
Write-Host "Driver(s) unregistered."
```

Close the file and type in the powershell prompt

.\clean.ps1

This will remove unwanted ASCOM chooser entries of the previous ASCOM NOVA 120 Driver and will avoid confusions.

In case of any trouble please contact cyril.cavadore@alcor-system.com

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