

# Customize NVIDIA driver settings with NVCleanstall

You can disable some unnecessary features during the official NVIDIA driver setup with NVCleanstall.

NVIDIA fans boast that their GPU is the first to offer features like Ray Tracing and intelligent resolution scaling, in addition to outstanding performance in many popular games. However, not everything is rosy because NVIDIA drivers can also be the cause of the slow down of the computer. That's because all the features are built into these drivers, like Geforce Now. However, if you're not using those features, why let them eat up your PC's resources?

You can disable some unnecessary features during the "official" NVIDIA driver setup with NVCleanstall. Join Tipsmake to learn how to do it through the following article!.

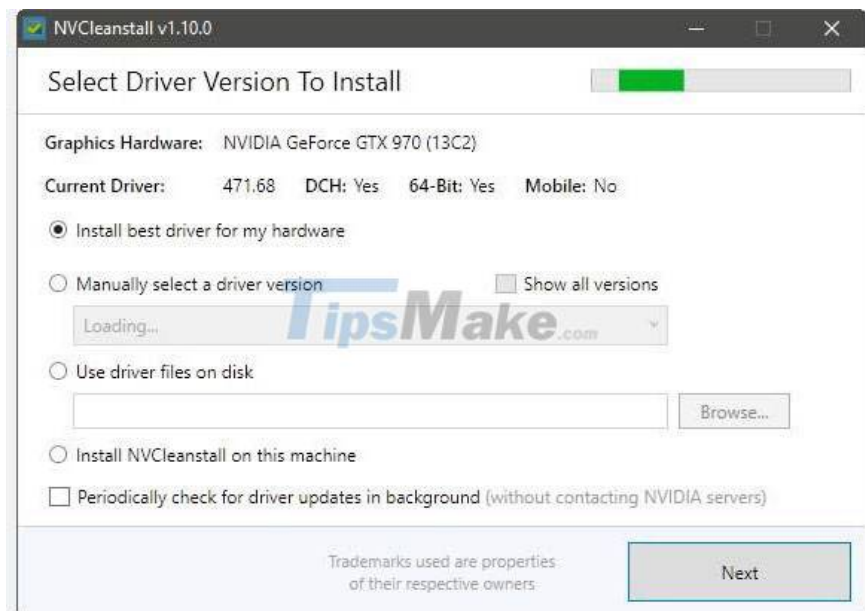
## Remove unnecessary features in the driver with NVCleanstall

There are many ways to update GPU drivers, as TipsMake mentioned in the guide on how to update NVIDIA graphics cards. However, all of these methods come with a few things you may never need.

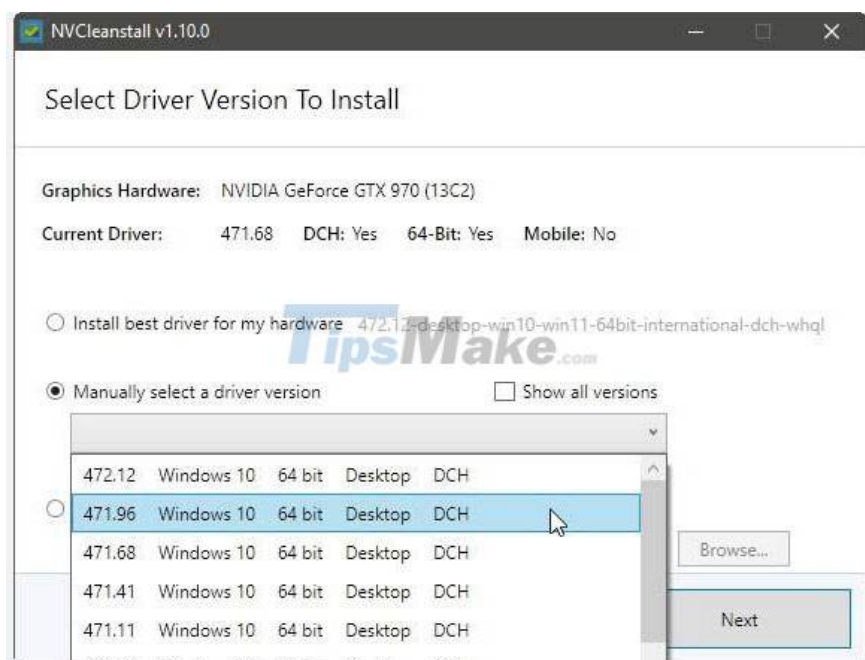
Thankfully, there is a solution to this problem. Its name is NVCleanstall, a free tool created and hosted by TechPowerUp.

**[Download NVCleanstall here.](#)**

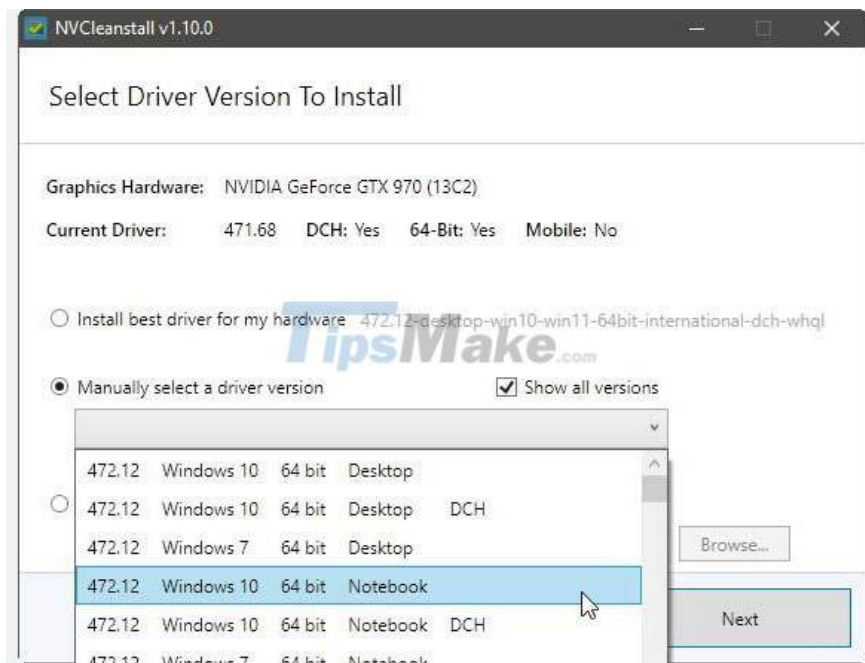
After downloading and running, NVCleanstall will ask you which NVIDIA driver version you want to install.



You can use the defaults to let the program find the best driver version for your hardware. Also, change the Install best driver for my hardware selection to Manually select a driver version to do exactly that.



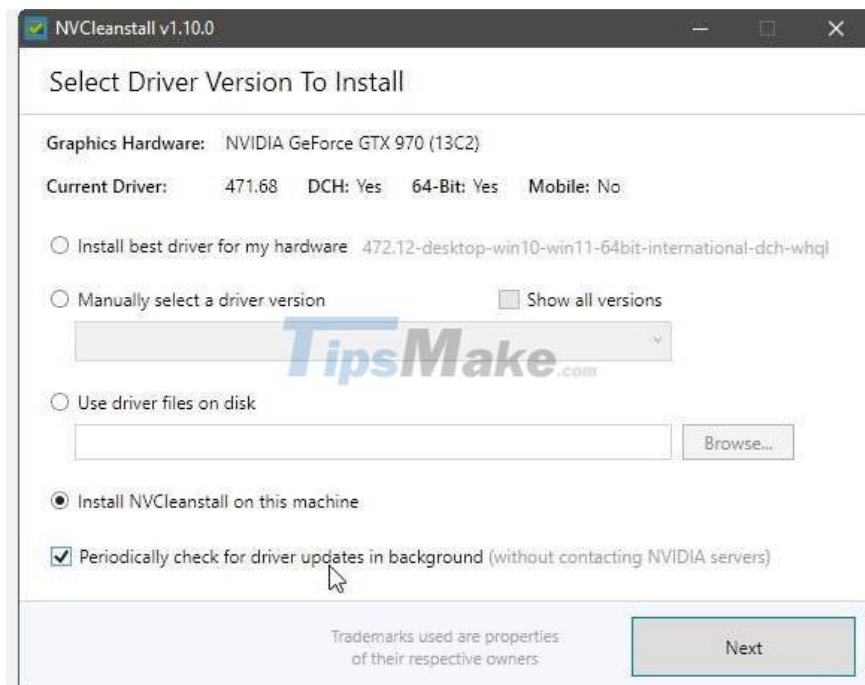
By enabling the Show all versions option on the right, above the drop-down menu, the list of available drivers will also show versions that are (theoretically) incompatible with your hardware. The article recommends avoiding these to minimize any chance of problems.



You can also use the driver you downloaded by selecting Use driver files on disk, then pointing NVCleanstall to the folder containing the downloaded driver.

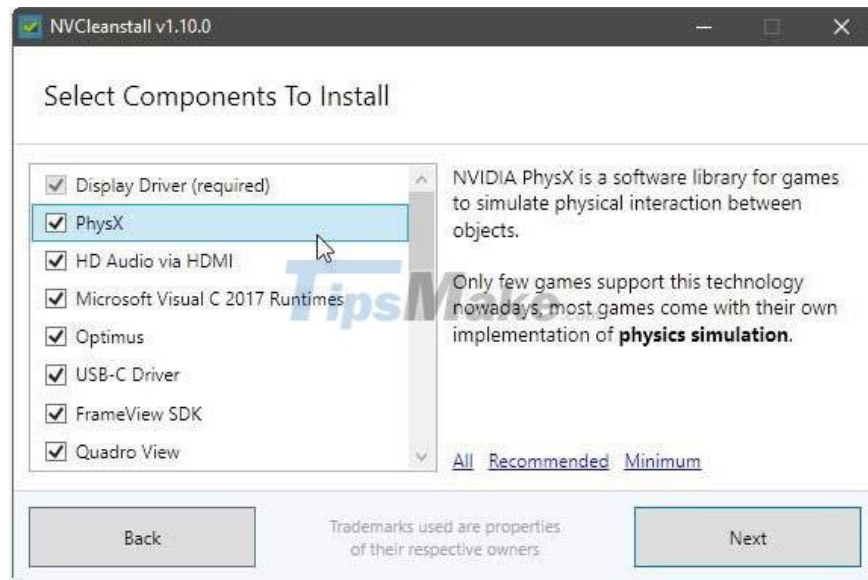
The fourth option is not related to the driver, but to the application itself, as it allows you to install the software on your computer instead of using it as a standalone portable application.

You can also enable an additional option at the bottom of the window, Periodically check for driver updates in the background.



It is recommended to let NVCleanstall detect and download the best drivers for your hardware.

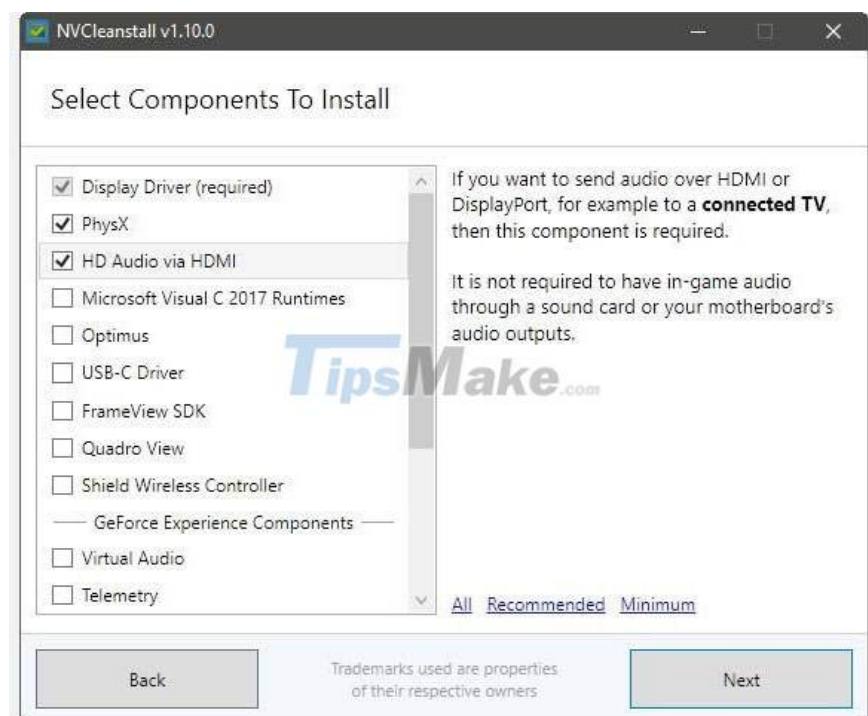
The next step is where most of the great things with this software happen. NVCleanstall will present all the components in the driver and let you choose which ones you want to keep.



If you don't know each component's function, NVCleanstall will provide an explanation on the right side of the window when you click on them. Use those helpful snippets to determine what to keep or leave out.

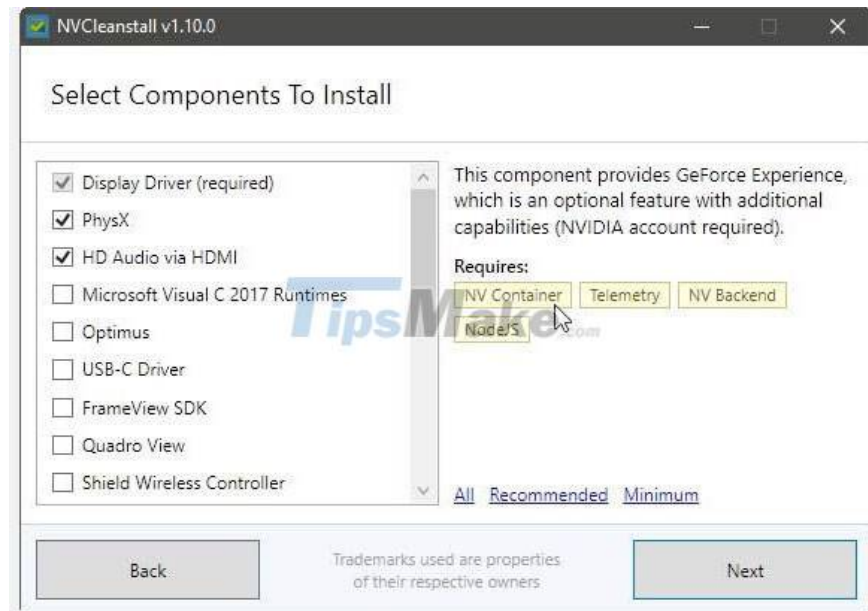
NVCleanstall also offers three preset settings, presented as a link near the bottom of the window.

1. All allows everything in the driver.
2. Recommended disables things that most people won't notice are missing.
3. Minimum keeps only the basics to make the GPU usable (i.e. the display driver itself).



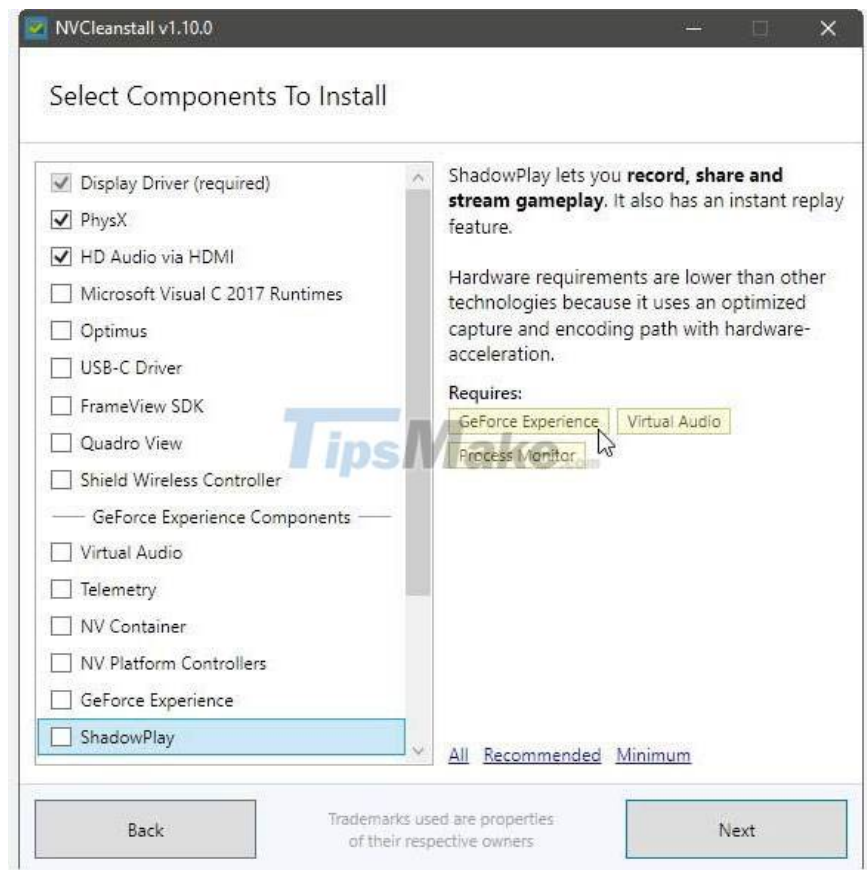
While it seems to offer a lot of choice, in reality many of the ingredients are closely related. Therefore, you cannot arbitrarily turn anything on and off in the ingredient list. By clicking on a feature, you can see if it's based on other components (and which ones), in the Requires section.

For example, to use GeForce Experience, you must also install NV Container, Telemetry, NV Backend, and NodeJS.

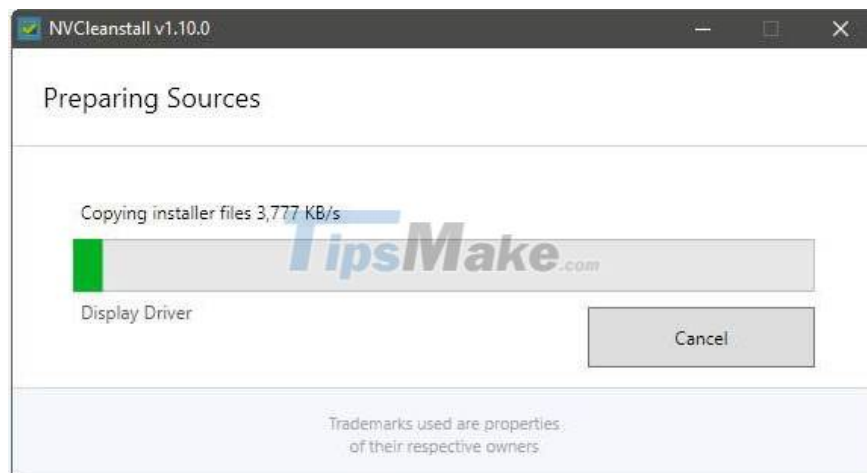


It can even be thought of all the activity as a chain reaction, where one feature leads to another.

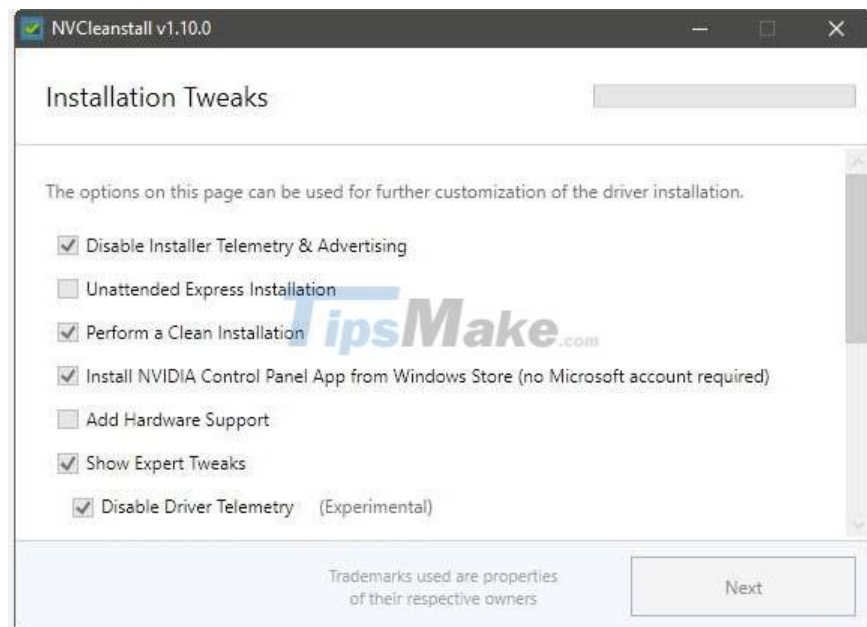
Did you decide to enable ShadowPlay to support hardware-accelerated video recording? If you want to enable this feature, you will also need Virtual Audio and Process Monitor, even GeForce Experience and as mentioned above, this will depend on many more components.



However, it is the best way to make the driver installation as neat as possible. Start by unchecking everything but the Display Driver (required) or choosing the Minimum preset. Then add only the features you want and activate all the necessary components. Finally, click Next.



NVCleanstall will start preparing the installation files. It will then provide some more options so you can customize your driver settings.



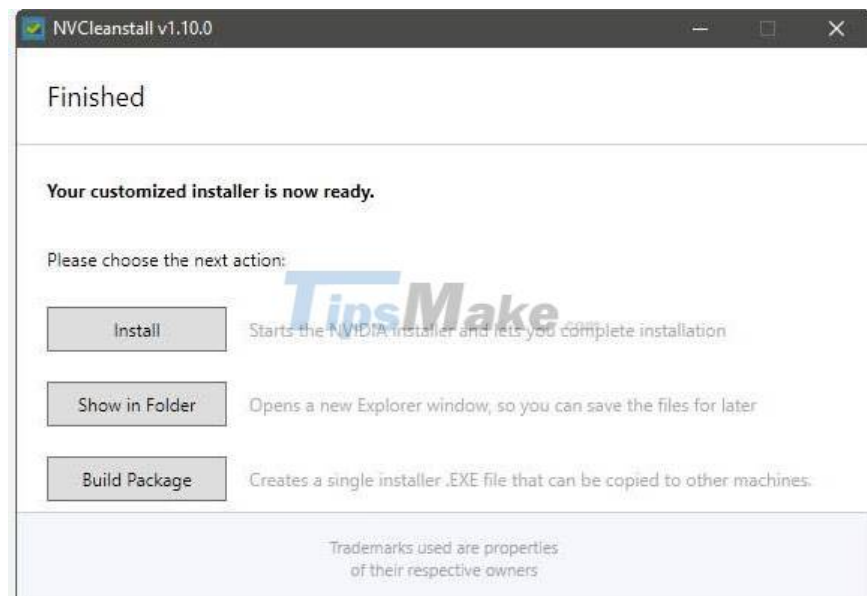
The article recommends turning on **Disable Installer Telemetry & Advertising** and **Perform a Clean Installation**. When those options are enabled, you'll avoid sending information to NVIDIA and discard all the rest of the existing drivers.

Enable **Install NVIDIA Control Panel App from Windows Store** if you want more links to driver options.

Turn off **Unattended Express Installation** to see the driver installation step-by-step. The article recommends that you also ignore **Add Hardware Support** as well as everything in **Show Expert Tweaks** unless you know what you are doing or need a specific tweak.

Enable **Rebuild digital signature**. Some other tweaks may need it.

When ready, click **Next** again.



After NVCleanstall customizes the driver installer, you can click **Install** to launch it.

Some other options include:

1. Show in Folder allows you to view the installer with the default file manager.
2. The Build Package can turn a custom installer into an executable that you can use on other PCs.

The custom driver installation process is no different from the official approach, so it should be a familiar one. Launch, select Agree and continue.



Go to the Custom (Advanced) path instead of Express (Recommended) and click Next.



Check to make sure that only the components you choose are included and installed, then click Next again.



After the driver installation is complete and the installer exits, you can go back and close the NVCleanstall window.



Close the NVCleanstall . window

Despite the loss of some components, the core driver will remain unaffected. So you can still use your GPU as usual.

Hope you are succesful.

You finished reading the article "**Customize NVIDIA driver settings with NVCleanstall**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.