

How to fix 'LoadLibrary Failed With Error 87: The Parameter Is Incorrect' error on Windows

The LoadLibrary fail error only occurs on AMD machines and can happen for a number of reasons. Common contributing factors to errors are outdated or damaged AMD graphics drivers, problems with damaged graphics driver modules, and problems with the application itself.

You can usually fix this error by renaming the file atig6pxx.dll, the graphics driver module for the graphics processor. If not, updating or restoring your graphics driver will also help.

Here are some steps to help you fix "LoadLibrary failed with error 87: The parameter is invalid" problem on Windows.

1. Do a quick reboot

Sometimes the LoadLibrary failed error can be a temporary glitch. However, the error dialog won't let you close it or access anything else on your computer. In this case, shutdown is very helpful. Make sure you don't have any important and unsaved work that might be lost after a sudden reboot.

Next, press and hold the power button on your computer to force shutdown the system. Then, press the power button again to restart the PC. If you see a black screen, leave the device in standby for a minute or two before performing the next steps.

If the error persists, disconnect the external displays connected to the system via HDMI or DisplayPort. Then do a reboot and check for any improvements.

2. Update the graphics card driver

If you install Windows or use a new system, your computer may lack the necessary driver for the display adapter. This can cause the display adapter to malfunction and stop working.

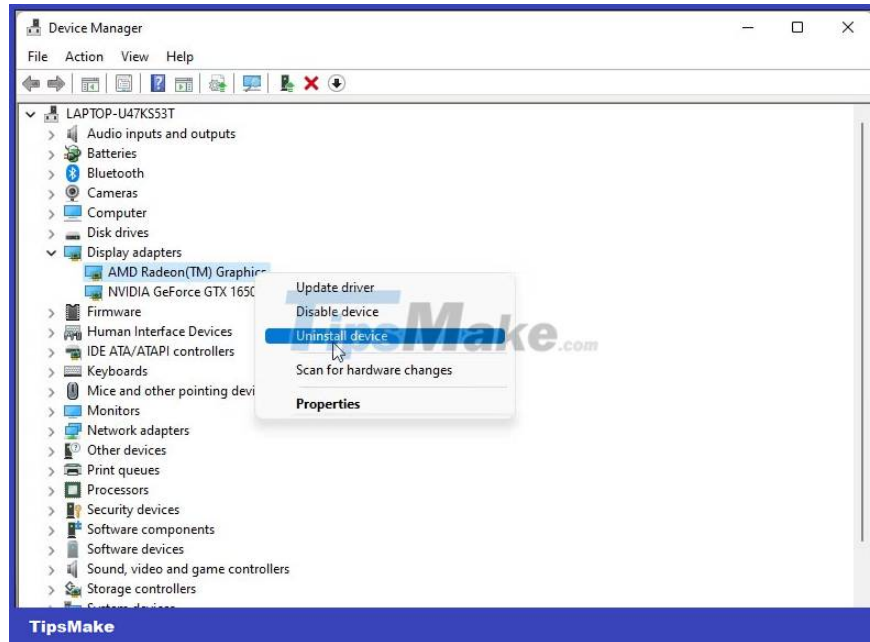
To fix the problem, check and update your graphics driver on Windows. If you have a dedicated GPU, use the GPU management tool from the manufacturer to download the update. You can also download newer updates from the GPU manufacturer's website.

3. Perform a driver downgrade

This error is usually caused by a problem with the display adapter and is mainly caused by AMD machines. If the error occurs after a recent driver or operating system update, check to see if your graphics device has received a newer update. If so, you can perform a driver restore to reinstall the older driver.

You can perform a driver restore using Device Manager. This should work regardless of the version of Windows you're running. However, if the option to restore the driver is greyed out, it means that Windows does not have an older version that you can restore and reinstall.

4. Uninstall and reinstall the graphics driver



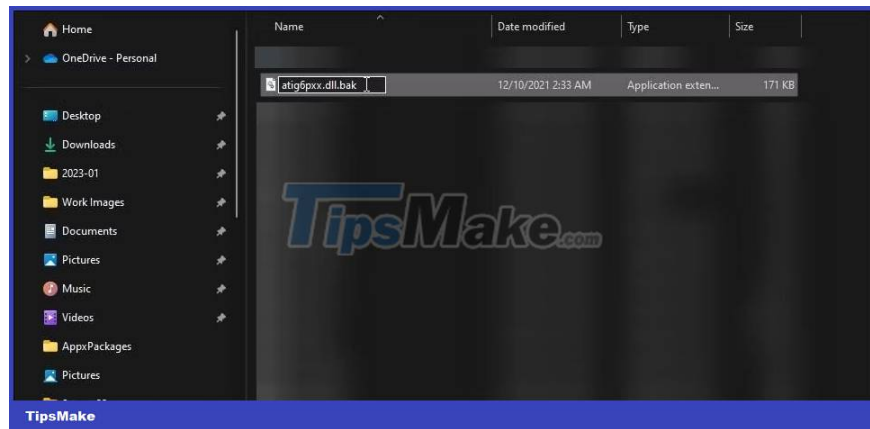
A damaged display adapter driver can also trigger the "LoadLibrary failed with error 87" error. To fix this problem, you can uninstall the display driver from Device Manager and then install it again.

To uninstall the display adapter driver:

1. Press **Win + R** to open Run.
2. Enter **devmgmt.msc** and click **OK** to open Device Manager.
3. In Device Manager, expand the **Display Adapter** section.
4. Right click on your graphics card and select **Uninstall device**.
5. Select the **Attempt to remove the driver for this device** option and click **Uninstall**.
6. Once done, restart the PC.

You can now reinstall the driver from the GPU manufacturer's website. If the problem persists, check if the GPU driver has been completely removed.

5. Rename the file atig6pxx.dll



If you are using an old AMD ATI graphics card, you can fix it by renaming the file `atig6pxx.dll` in the `System32` folder. This is a graphics driver module and problems with it can prevent 3D games and applications on your system from working.

To rename the file, you will need admin privileges. Log in with an admin account and follow these steps to rename the file `atig6pxx.dll`:

1. Press the **Win** key and enter `atig6pxx.dll` in the search bar.
2. Right click on the DLL file and select **Open File Location** . Alternatively, go to the following location and locate the file:

```
C:\Windows\System32
```

3. Rename the file to `atig6pxx.dll.bak` . You will need admin rights to change the file name in the `System32` folder. Click **Continue** to confirm action.

If permission issues persist, take ownership of the folder on Windows and then rename the file. In addition, you can also own using Command Prompt. To own the file `atig6pxx.dll` using Command Prompt

1. Boot into Safe Mode.
2. While in Safe Mode, press the **Win** key and enter `cmd`.
3. Right click on **Command Prompt** and select **Run as administrator** .
4. In the Command Prompt window, type the following command to change the `System32` directory:

```
cd Windows\System32
```

5. Next, type the following command and press Enter to own the `atig6pxx.dll` file:

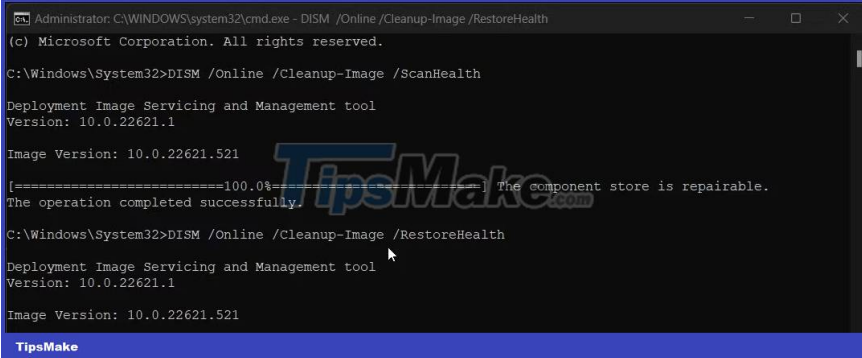
```
takeown /f atig6pxx.dll
```

6. Next, type these two commands in turn to grant full permissions and change the properties of the DLL file:

```
icacls atig6pxx.dll /grant everyone:full attrib -r -s atig6pxx.dll
```

7. If all commands are executed successfully, you can rename the file `atig6pxx.dll` without any permission error.

6. Repair Windows Image with DISM



```
Administrator: C:\WINDOWS\system32\cmd.exe - DISM /Online /Cleanup-Image /RestoreHealth
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>DISM /Online /Cleanup-Image /ScanHealth

Deployment Image Servicing and Management tool
Version: 10.0.22621.1

Image Version: 10.0.22621.521

[=====100.0%=====] The component store is repairable.
The operation completed successfully.

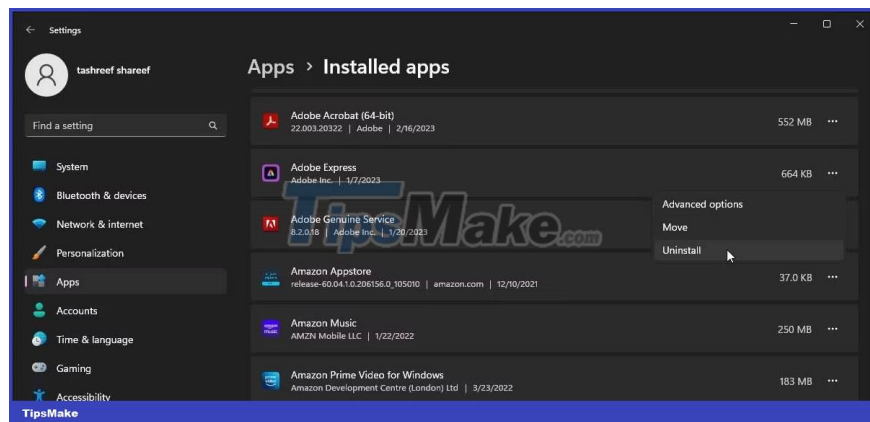
C:\Windows\System32>DISM /Online /Cleanup-Image /RestoreHealth

Deployment Image Servicing and Management tool
Version: 10.0.22621.1

Image Version: 10.0.22621.521
```

Corrupt system files are another possible cause of LoadLibrary fail. Fortunately, Windows comes with a built-in tool to repair system images.

7. Reinstall the app



If the error occurs when you launch a specific application, it may be a conflict of the specific application causing the error. To determine the cause, uninstall and install the latest available version. To uninstall an app:

1. Press **Win + I** to .
2. Open the **Apps** tab in the left pane.
3. Click **Installed apps**.
4. Search for the app and click the three-dot menu next to the app name.
5. Click **Uninstall** twice to confirm action.

This error is usually caused by an incompatible or outdated graphics driver. You can update or reinstall the driver to fix the problem. Renaming the specified DLL file is another popular solution. But any problem with the system image will require repairing the Windows image using the DISM command line utility.

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