How to Upgrade your PC with a New Graphics Card

Hardware And Software Installation Guide
Upgrading your graphics card is actually really easy.
Hopefully, this guide will help you to feel confident about installing a new graphics card, even if it’s your very first time.

Hello!!

I don’t know how to choose the right graphics card for my PC.

Don’t panic, join the MSI upgrade journey with me!

Before you start getting ready for the journey, the first thing you should do is to check your current hardware information.

- ✔ Power Supply
- ✔ Size of your case
MSI provides an easy upgrade guide for you to choose the right graphics card!

When you finally get your new card, it’s time to install it!

Inside the box you will find your new card and a manual. To reduce waste, we no longer include the Driver CD in the package. It’s always recommended to download the latest drivers from the MSI website.
Before we start, you’ll need to check for basic compatibility.

For the upgrading process, you’ll need a Phillips-head screwdriver and a bit of time.

Be sure to turn off your PC and unplug all the cables before you begin.
Now it’s time to remove the side panel from the case.

First, unplug the power connector from the old graphics card.

Remove the screws that hold the graphics card in place at the back of your case.
Make sure you release the small plastic latch on the end of the PCI-E slot on your motherboard to unlock your old graphics card. Now you can gently lift the old graphics card out of the case.

With the old graphics card removed, it's time to install your new graphics card!

Carefully plug the new graphics card into the PCI-E slot.
The plastic latch will close automatically with a “click” sound when the card is fully secured in place.

Next, use the case screws to secure the graphics card’s metal retention bracket to the back of your case.

Connect the required number of 6-pin or 8-pin power connectors from your power supply unit to your new card.
If your new graphics card doesn’t have any power connectors, it will get all the power it needs from the motherboard.

Place the side panel back to close your PC.

Please pay attention to each specific display output!
Make sure you plug it into the graphics card, not the motherboard!

Now you will have to plug your display cable into your new graphics card and turn on your computer.

Go to the MSI website, download the latest driver and software for your operating system.

HAPPY GAMING!
 MSI AFTERBURNER TUTORIAL

On the MSI website, you can download and install the latest version of MSI Afterburner.

MSI Afterburner gives you detailed control of your graphics card to ensure it performs to its maximum potential.

https://www.msi.com/page/afterburner
Once the download is complete, unzip the MSIAfterburnerSetup.zip file and follow the installation process.

During the installation you will also be asked if you want to install RivaTuner Statistics Server, you will need this program if you want to use the On-Screen Display feature.

Before getting a free performance boost with Afterburner, let me introduce the interface and a variety of configuration options!

For NVIDIA graphics cards there are two ways to get more performance by overclocking.

Both are totally safe by the way.

The quick & easy way is called OC Scanner while the more advanced method is manual overclocking.

We’ll start with the OC Scanner
By clicking on the icon highlighted on the top left you will open the OC Scanner function. Here you simply click “Scan” and Afterburner will automatically find the highest stable clockspeed for your card. When the process is done, click Apply and your GPU is now running at a higher speed.

You can reset to default settings anytime by clicking this button.

Now we’ll show you the basics of manual overclocking.

You can get the perfect balance between performance, temperature and ability by tweaking the clock frequency.
You can now slightly increase the clock speed.

Don't forget to hit after each change.

Don't worry if your system crashes or a driver error occurs. Just reboot it and use a slower clock speed until you find the most stable performance.

All the build-in protection make the process painless and reasonably safe.

Click on the cogwheel “Settings” button.
Under the “General” tab, click on “Unlock voltage control” and “Unlock voltage monitoring”, this will allow you to increase the core voltage of your graphics card.

Drag to increase the voltage slightly.

You can also modify your fan speed as well to make sure the cooling is at the optimum level when your graphics card heats up during overclocking.

Click on the “Fan” tab in cogwheel “Settings” button to get started.
Let’s move onto the “On-Screen Display” which provides the real-time information for you to keep a close eye on your system’s performance while gaming.

You can find the “Monitoring” tab in Settings.

Tick all the properties you want in your OSD and also tick the "Show In On-Screen Display" checkbox for each item.

You can change the font, font-size and color by setting up the RTSS (RivaTuner Statistics Server).
You can also change the position here to adjust the vertical or horizontal height of the OSD.

Happy Overclocking!  

Done!

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