

# Nvidia GeForce Experience

Nvidia's GeForce Experience (GFE) is a software suite designed for Windows PCs equipped with GeForce graphics cards. It may seem like just a tool to optimize your game library's performance and download the most recent updates for GeForce drivers, but it offers so much more than that. There are several incredible features that will help enhance your overall gaming experience!

GeForce Experience is the companion software for your GeForce graphics card that will:

- Allow gamers to record and share gameplay through both videos and livestreams on social media platforms.
- Boost performance and graphical fidelity.
- Download drivers and patches.
- Capture professional-grade photographs of gameplay and share them directly to other platforms.
- Apply post-processing filters to your games while you play.
- Configure graphics settings automatically for you.

## Nvidia ShadowPlay

Nvidia's ShadowPlay is a great way to record your gameplay or broadcast it live on social media for friends and other gamers. It is lightweight video recording software that records your gameplay with little to no performance impact. This works because the stream records simultaneously with what you are viewing instead of using two entirely different clients, each with their own overhead. ShadowPlay has four main features:

- **Record** - This feature allows you to manually record your gameplay, which is perfect for recording a specific event, stage, or level. To use this feature, press Alt+F9 to start recording, and press them again to stop. Items such as video quality, bitrate, and frame rate can be adjusted directly in-game.
- **Live Broadcast** - This feature will livestream your gameplay to streaming and social media platforms. It's compatible with broadcasting to Facebook (720p/30fps), Twitch (1080p/60fps), and YouTube (1440p/60fps). You can toggle turning the broadcast on and off by pressing Alt+F8, and you can pause and resume recording by using Alt+F7. Alt+F6 will toggle comments on and off during broadcasting if desired.
- **Instant Replay** - Instead of recording your entire gaming session, this feature will record up to 20 minutes of gameplay at 1440p/60fps by default. When activated, instant replay works by continuously temporarily recording and storing your last five minutes of gameplay, unless set to a different time frame. This is a terrific tool for recording a specific move, play, or super crazy bug. To use this feature, press Alt+F10 in-game. You can find your video saved inside of the 'Videos' folder in Windows. You can share the clip or change instant replay settings in-game by going to "Share" and choosing the

'Instant Replay' tile. From there, you will find sharing options and settings that will allow you to share the clip to social media and control the video quality, recording length, bitrate, and frame rate.

- **ShadowPlay Highlights** - This is a great new feature that doesn't have it's own tile because there isn't much to adjust. It automatically records your best highlights. You can turn this feature on and off, set the location where the highlights are saved, and the amount of space clips can use. This feature can be turned on or off in the general settings.

## How to Use Nvidia ShadowPlay

Don't be confused looking for the name "ShadowPlay" directly because it is nowhere in GeForce Experience itself. To access ShadowPlay, click on the triangular "share" button. It is in the upper-right corner of the GeForce Experience window. This opens the Nvidia Share UI, which is a fullscreen overlay that shows the three recording features — Instant Replay, Record, and Broadcast Live.

This also gives you access to the screenshot tool, although you can also press Alt+F1 in-game to capture a screenshot. Here you will find settings to control each of the recording features. There are also settings for your audio and webcam video capture, as well as customizing the placement of frame rate counters and other items for the in-game display.

Nvidia's ShadowPlay is an awesome and easy-to-use feature with good performance for low-to-mid range PCs.

## Nvidia GameWorks Driver Updates

Software is always changing. GeForce Experience notifies you when new drivers are available and updates your card to the latest driver in one click, all right on your desktop.

Drivers ensure your graphics card can communicate with the rest of your computer effectively. There is always a constant cycle of updating, and bugs are constantly being fixed. Missing updates can lead to all kinds of problems, including lagging, crashes, and even severe security vulnerabilities. New drivers are released to fix bugs and improve optimization, which will make things run better in general.

If you have an Nvidia graphics card, it is recommended you update your graphics card drivers as soon as possible to get optimum performance and the best experience possible. When there is a major game release, Nvidia works directly with developers to boost performance and fix bugs to improve your overall gaming experience.

As a product matures, driver updates primarily focus on fixing bugs and compatibility with newer software. Nvidia brings you these improvements through a Game Ready driver update. This

gives you the tools to optimize gameplay and keep your games running smoothly. GeForce Experience tells you when these drivers are available and lets you update them without ever leaving your desktop.

## **How to Use Nvidia GameWorks Driver Updates**

You will be automatically notified and prompted to update drivers as soon as updates become available. You can update them easily with a single click from your desktop.

## **Nvidia Freestyle**

Nvidia Freestyle is a fantastic new feature that is now part of the Nvidia GeForce Experience software suite. It allows you to apply post-processing filters to your games in real-time as you play. Freestyle is easy to use with 15 default filters and 38 settings to modify. This gives you tons of customizable combinations and visual adjustment options.

The only actual drawback to this feature is that not all games are supported. Thankfully, there is a list of supported games that is easy to find. Go to settings and under the General tab, click on Freestyle, and then go to View Supported Games. This will provide you with a list of currently compatible games. When the Freestyle menu is up, you can switch between filters to preview them.

There are advantages in using Freestyle over other third-party apps that offer filters. One advantage is that because Freestyle comes from GeForce Experience, there is no problem with anti-cheat compatibility. It also uses the same kind of technology as ShadowPlay that allows it to run simultaneously without affecting performance.

You can create up to three filter profiles that you can quickly and easily switch between. You can use multiple filters at once, and they are all customizable. You will be able to completely change your gaming experience's look and feel and customize it based on your preferences.

## **How to Use NVIDIA Freestyle**

To use Freestyle, press Alt+F3 to access the Freestyle in-game overlay menu. From there, you will be able to change contrast and saturation settings and color as well as add filters.

## **Nvidia Ansel**

Nvidia Ansel is a tool that helps you to capture the very best PC game screenshots possible. In-game photography has grown by leaps and bounds in recent years from the days of pressing "Print Screen" and pasting your result into Microsoft Paint. Many gamers want in-game photography for social media purposes, such as sharing their wins and game stats. Nvidia Ansel is far more advanced than the "photo mode" found in some new releases.

Ansel brings you the Free Camera, where you can reposition the shot to get almost any angle, and allows you to freeze the game to catch the best image possible. This is much better than a traditional screenshot because it enables you to take unique in-game photographs and share them directly to social media.

Nvidia Ansel has an amazing amount of diverse modifications for your in-game photos, including many post-processing effects. This includes filters like sepia, half-tone, black and white, and retro and adjustments for contrast, brightness, vibrance, color enhancements, and vignette effects. The most exciting feature for most gamers is the Super Resolution option, which captures photos with Gigapixel resolutions as high as 33 times the resolution of 1080P. It even has 360-degree image capturing, which can be used with virtual reality headsets, PCs, and even Android devices.

## **How to Use Nvidia Ansel**

To use Ansel while in-game, press Alt+F1 to screenshot or press Alt+F2 to bring up the Ansel menu, which gives you access to all of the filter and sharing options.

## **Additional Features**

### **GeForce Experience Community**

Join the GeForce Experience community forums, and follow Nvidia Geforce on social media platforms like Facebook and Twitter. This will give you access to giveaways and allow you to connect to other players to share tips and experiences.

### **GeForce Experience Beta**

The GeForce Experience Beta will give you early access to brand new features before the general public. As of publishing, these features include an Enhanced In-Game Overlay, the Performance Panel, and One-Click Automatic GPU Tuning. You can access these features in the settings by choosing "Enable Experimental Features."

## **How to Get Nvidia GeForce Experience**

You can download Nvidia GeForce Experience directly through the official Nvidia website. You will then need to run the installer. Once the installation has completed, you will need to launch the application. When prompted to log in, you can do so using Facebook, Google, or by entering Nvidia your login credentials.

Nvidia GeForce Experience will enhance your gameplay by allowing deeper control over your graphical settings and allowing you to share your recordings, live streams, and screenshots to

your social media accounts. It will also help keep your drivers updated so your game runs smoothly, and can even change your game's look and mood at your discretion. It will configure the right game settings for you! The best part? All of these features are bundled in a single, convenient software suite.