

# Starter's Guide to ENB Series

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ENB Series is a graphical modification for many different games. The main idea is to allow every gamer to configure how the game looks to their own taste. Skyrim looks much better with a combination of different effects, lighting, or saturation level configurations that ENB Series offers. In Ultimate Skyrim, the ENB Series controls a lot of different aspects of world space and allows you to alter how bright, or dark, your world is, if it's a blindingly saturated hyper fantasy or a bleak noir, this is completely up to you! In this guide, I'll cover some basic stuff to help you get started in your journey in Ultimate Skyrim, or even your own custom install!



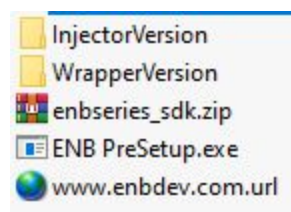


So in this part, I'll cover the set-up required for your Ultimate Skyrim to have a functioning ENB that won't crash your Skyrim or cause FPS issues(hopefully). Ultimate Skyrim uses one of two ENB Presets, Dylan Perry's or Suki's preset, I'll be running you through the install of the ENB Binaries and your choice of **one** of these presets, my personal preference is Suki's but Dylan's preset is pretty Low-End PC friendly on all settings.

## ENB Binaries

So first things first you're going to want to make sure you've installed the ENB Binaries as per the getting started guide. This is as simple as following the below steps.

**Step 1:** Head over to the ENBSeries website and download [v0.434 of the ENB Binaries](#) the contents of this download should look like this



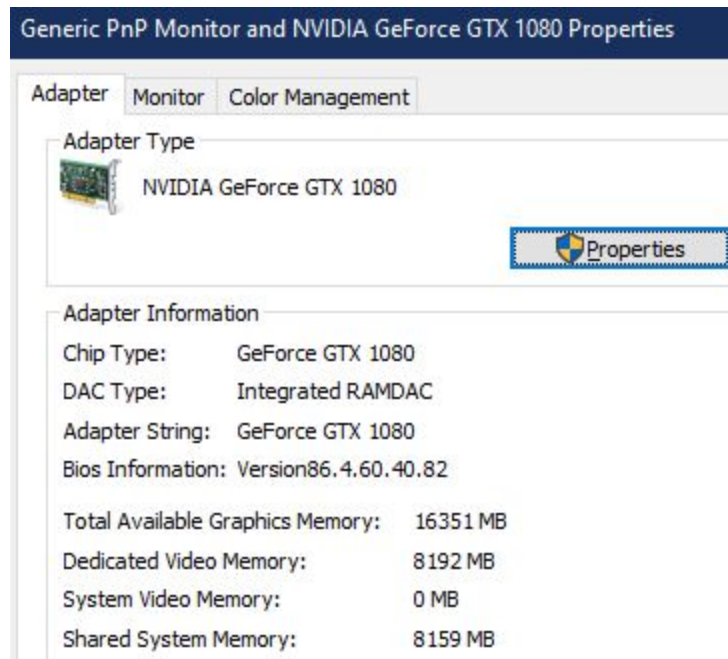
**Step 2:** Open the **WrapperVersion** and locate the **d3d9.dll**, **enblocal.ini** and **enbhost.exe** and drag these files over to your Skyrim folder(where your Skyrim.exe is).

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**Step 3:** Next we are going to correctly set up your **ENBLocal.ini**. Open it up in your editor of choice, and change the following lines in it

```
[MEMORY]
ExpandSystemMemoryX64=false
ReduceSystemMemoryUsage=true
DisableDriverMemoryManager=false
DisablePreloadToVRAM=false
EnableUnsafeMemoryHacks=false
ReservedMemorySizeMb=512
VideoMemorySizeMb=11840
EnableCompression=true
AutodetectVideoMemorySize=false
```

You want your **ReservedMemorySizeMb=** to be 64 if you experience stutter increase this number in lots of 64 till the issue is lessened, the next increment up would be 128, now for **VideoMemorySizeMb=** this is a little more complex, the way we calculate this is your **VRAM + RAM in mb - 2048**. To find these values you just need to right-click anywhere on your desktop and select **Display Settings** then scroll to the bottom where you'll find **Advanced Display Settings** then select **Display Adapter Properties** it should bring up a window like this. My RAM is 16gb and my VRAM is 8gb. So my VideoMemorySize is 22495



If you know the GB of your cards you can use the `!memsize` command for the bot in the [Ultimate Skyrim Discord](#), the format of this command is **!memsize <vram in GB> <mem in GB>** as an example I would type **!memsize 8 16**.

The final way to find these values is to run a program on your PC called **DirectX Diagnostic Tool** or **dxdiag**, to find this just search dxdiag in your Start Menu and it should look a little like this



Run this program and go to Display (there may be multiple if you have more than one monitor click either it doesn't matter) you're looking for Approx. Total Memory and Display Memory (VRAM). Once we have these values we need to add them together note that using dxdiag gives me a slightly lower number to the first method which is 22269 (16238 + 8079 - 2048). Once you have your **ReservedMemorySizeMb=** and **VideoMemorySize=** configured, save the file and you're ready to pick your ENB Preset!

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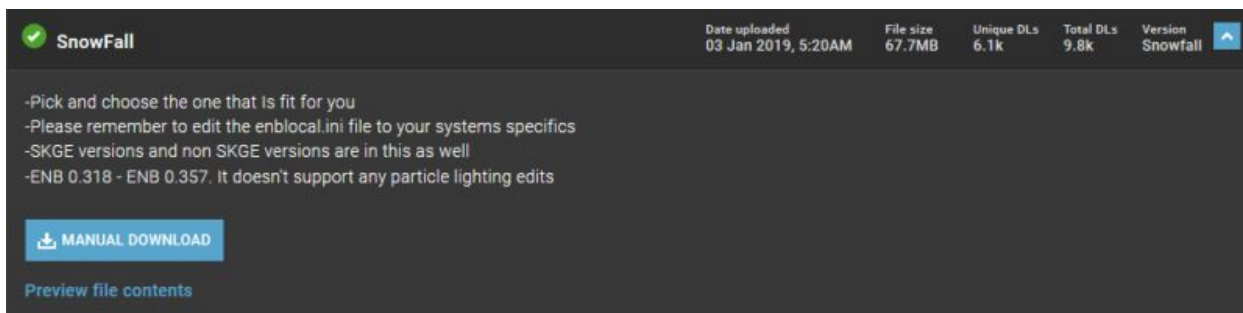
## Dylan's Snowfall Preset

This [Custom Snowfall Preset](#) is built specifically for Ultimate Skyrim, and Dylan poured a lot of love and time into making sure this runs as smooth as possible on all PC builds, the install is a single step Download the .rar file then drag the files into your Skyrim install location. And bang you're done, just remember to make sure you've set up your **enblocal.ini** as per **step 3** of the install guide for **ENB Binaries**

## Suki's Snowfall Preset

[Suki's Preset](#) is a gorgeous but power-hungry beast, adding a neat lens effect when the weather grows really cold or it starts to rain as well as other visuals. If you're wanting to use this preset I'd recommend Medium settings unless you're sure your pc can handle higher, if you aren't even sure your PC can handle Medium then please use the Low setting. I would also suggest getting a [Sun Glare Disabler](#). In the following steps I'll run you through the correct installation of Suki's as it's a little more complex than installing Dylan's one

**Step 1:** Download [Suki's ENB Preset](#) and get the Snowfall option(link should automatically select the correct one but this is what it looks like just in case)



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**Step 2:** when you open up the file it should look something like this

[LensMaskChoices]	32,762,846	32,762,697	File folder	2/01/2019 1:28 ...	
Non SKGE Users	33,574,676	15,251,312	File folder	2/01/2019 1:28 ...	
Suki's Preset-Snowfall-Insane Settings.rar	7,637,653	7,637,653	WinRAR archive	2/01/2019 2:01 ...	FAD85C68
Suki's Preset-Snowfall-Low Settings[Non SKGE only].rar	7,637,677	7,637,677	WinRAR archive	2/01/2019 2:02 ...	F48BBEED
Suki's Preset-Snowfall-Medium Settings.rar	7,637,657	7,637,657	WinRAR archive	2/01/2019 2:02 ...	AC83157D

If you don't think your PC can handle Medium just drag the content in **Suki's Preset-Snowfall-Low Setting[Non SKGE only].rar** into your Skyrim install and you're done with this step. For Medium/Insane please move on to part B, I will be using the Medium for this guide but you can follow along just replace Medium with Insane.

**Step 2 B:** Open up **Suki's Preset-Snowfall-Medium.rar** and drag all the files from this rar into your Skyrim install Folder, if prompted to, overwrite/replace the files avoid overwriting enblocal.ini though. Next, open the **Non SKGE Users** folder and drag the files from the **Medium Setting[Content Inside]** folder into the Skyrim install again overwriting when prompted.

**Step 3:** Now if you accidentally overwrote enblocal.ini during this you need to reconfigure your enbloacal.ini again, just follows **Step 3** in the ENB Binaries binaries, you want to confirm your **VideoMemorySizeMb=** with the following formulae **VRAM + RAM in mb - 2048** again step 3 of the basic ENB install has how to find these values if you're stuck and make sure **ReservedMemorySizeMb=** is set to 64.



In this section, I'll cover some tweaks you can make that are quality of life and may make your gaming experience more enjoyable. These are fixes, and solutions to common issues users have with ENB Series and the ENB Binaries.

## Letterbox

Suki's preset by default has the Letterbox feature enabled, this applies a black bar to the top and bottom of your screen slightly increasing Field of View but reducing the overall image space size, this feature can be turned off one of two ways, the **easiest** way to do this is to open the in-game confirmation menu, while in-game press **Shift+Enter**(default) to open your config menu, once you have this up I strongly suggest opening the console so you don't punch things while tweaking settings and entering the command **TM** into the console to hide your game's cursor(don't forget to retype the command to turn your HUD back on once you're done). To turn off the Letterbox we want to go to the right side of the menu where it says **Shader Parameters** and click the yellow text that reads **EFFECT.TXT** to do this you need to drag your cursor around until your desktop cursor or a spinning hourglass appears on your screen, once you find that click the yellow text, scroll down this window and find a checkbox that says **Letterbox** and untick it, it may not take effect till you close your console though so don't worry if it doesn't turn off right away. The other way to turn it off is to go into **Skyrim\enbseries** and locate your effect.txt file and open it, find the line like ----- **Letterbox** -----= and change it to false instead of true then save the document.

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## Lens Effects

Suki's ENB Preset comes with some screen visual effects known as Lens Effects, these apply a frozen looking vignette when cold and drips to your screen while it's raining, while I personally enjoy these visuals some people find them a little distracting and would like to do away with them, the **easiest** way to do this is to just untick **EnableLens** in the **EFFECT** part of the **enbseries.ini** window in the in-game configuration menu, the other way is to uncheck the **+++Rain Settings+++** and **+++Frost Settings+++** options in **ENBLENS.FX** on the Shader Parameters side of the config menu.

## Enhanced ENB Night Eye(EENE)

EENE or Enhanced ENB Night Eye allows you to use Night Eye effects like the Khajiit racial or Vampire Sight without needing to turn off your ENB, sometimes this doesn't work straight out of the box and will need to be tweaked. There are currently two guides I know of that help you fix them instead of plagiarizing their content I'll just link you to them. The first is from the Ultimate Bugmasher [Hazarduss](#) over on Reddit and the other is from [HollerHavoc](#) over on youtube, I've had people claim one worked but the other did not so give both a try and see what works for you, for me personally HollerHavoc's guide worked, for others, Hazarduss' guide did the trick



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## Paper World Maps & ENB Binaries

So out of the box, ENB Series greatly dislikes [Warburg's Paper World Maps](#) but fret not the wonderful Liz has you covered she found a code that fixes your map and it's as simple as going into the **ENBSeries** folder in your **Skyrim** folder and find the file called **\_weatherlist.ini** and pasting the below lines into the first empty slot you find, I put it under after [WEATHER057] in the space at the between it and the next weather

**[WEATHER058]**

**FileName=MapWeather.ini**

**WeatherIDs=a6858**



Thanks go out to **Dylan Perry** for putting together such an amazing modlist that has brought together a huge community, **Suki** for their amazing ENB Presets, **Hazarduss** and **HollerHavoc** for the great EENE fix tutorials, **Liz** for her map fix and proofreading of this document, and last but not least, the wonderful community over at the Ultimate Skyrim discord for posting the amazing screenshots I've used snippets of for the banners in this document!