BiNoX's CS2 Optimization Guide

This guide is being updated regularly. Last update: 10/10/2024

This guide is for Windows 11 users. If you're still on W10, now would be the time to switch:)

Make sure to have a clean CS2 installation. You might have leftover folders from csgo since the switch to CS2

Also do a before and after benchmark using this map CS2 FPS BENCHMARK - Steam Workshop

CS2 SETTINGS

Video Settings

4:3 or 16:9: What's The BEST Resolution In CS2? - Youtube



Advanced Video Settings

Boost player contrast: enabled (can help see players through molly)

Multisampling: 2x, don't go below this otherwise you won't see through railing on vertigo

Global shadow: high

Dynamic shadows: all

Model: low

Texture: 16, literally 0 fps difference and can see details further **shader:** high (fix pixelated shadows and skins are cleaner)

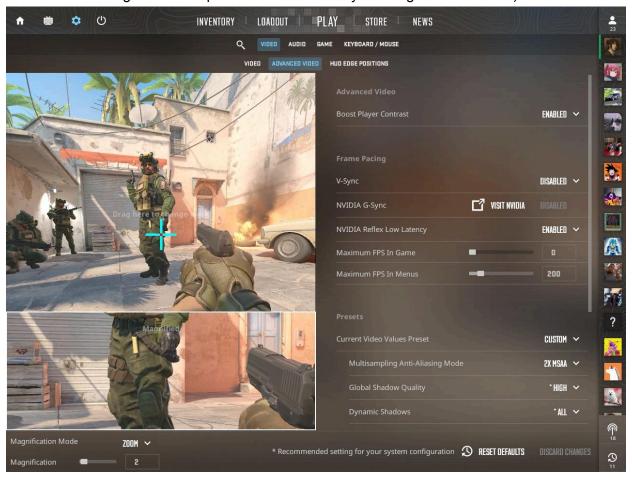
Particle: Low

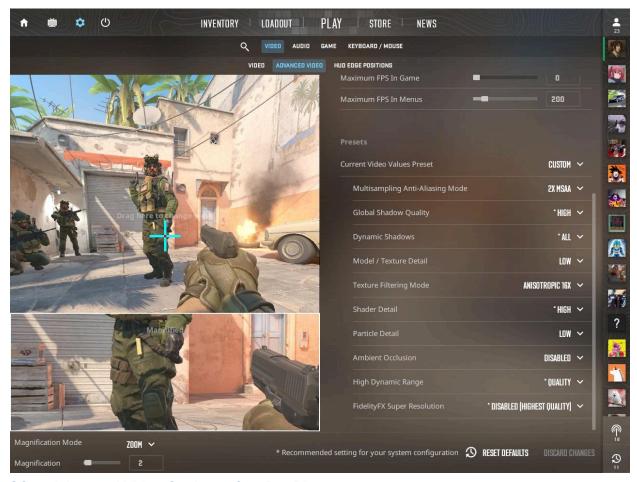
ambient occ: disabled, i know you can have advantage cuz of shadow on the wall but since i

started playing cs2, i killed nobody using it and it eat like 30 fps, not worth it

hdr: quality
fidelity: disabled

nvidia reflex: use enable (Enabled + Boost" can further reduce latency at the cost of extra power usage and a slightly lower frame rate. In Counter-Strike 2, this setting is only recommended for gamers who prioritize lowest latency over highest frame rate)



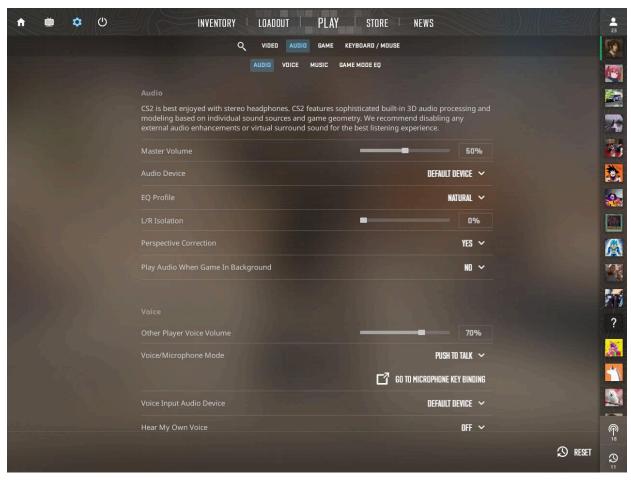


CS2 - Advanced Video Settings of 25 Pro Players

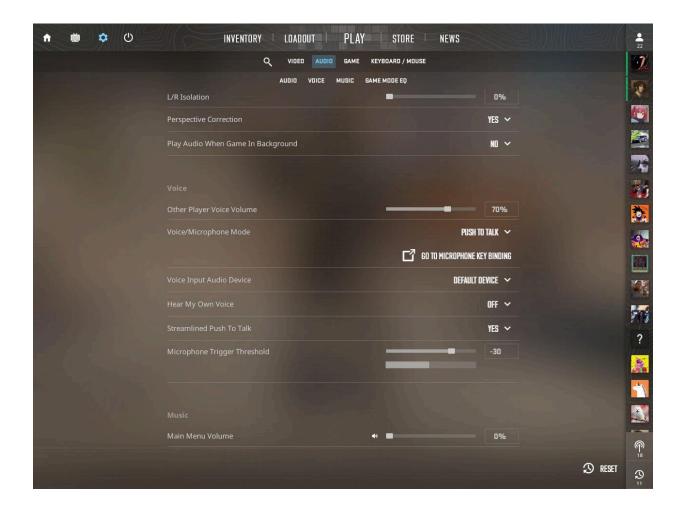
□ Should you use NVIDIA Reflex in CS2?

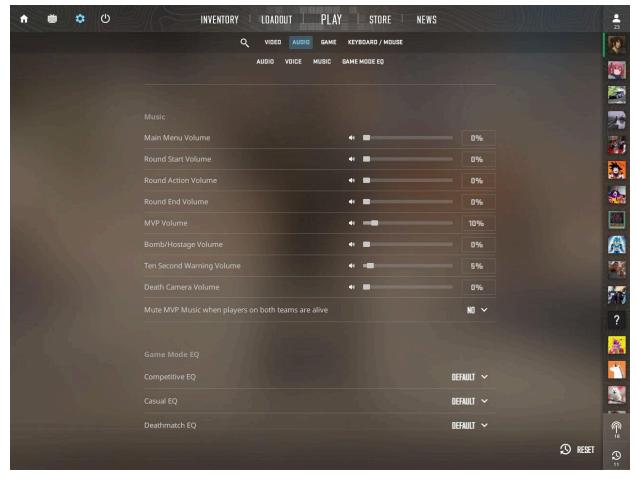
Audio Settings EQ Profile: Natural L/R isolation: 0%

Perspective Correction: Yes

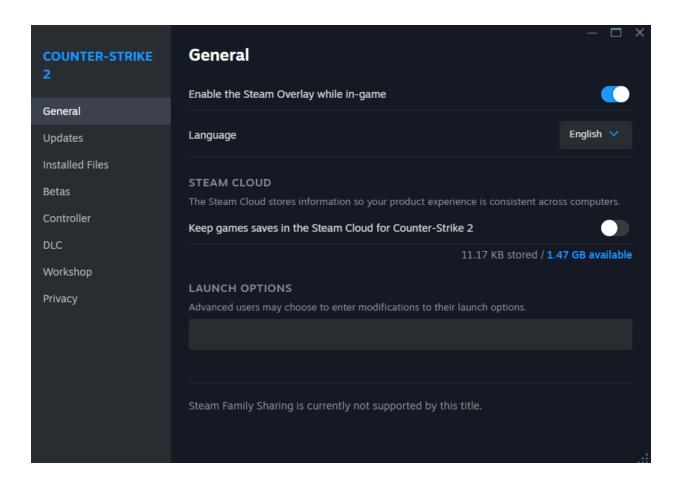


Streamlined Push To Talk: Yes **Microphone Trigger Threshold:** -30



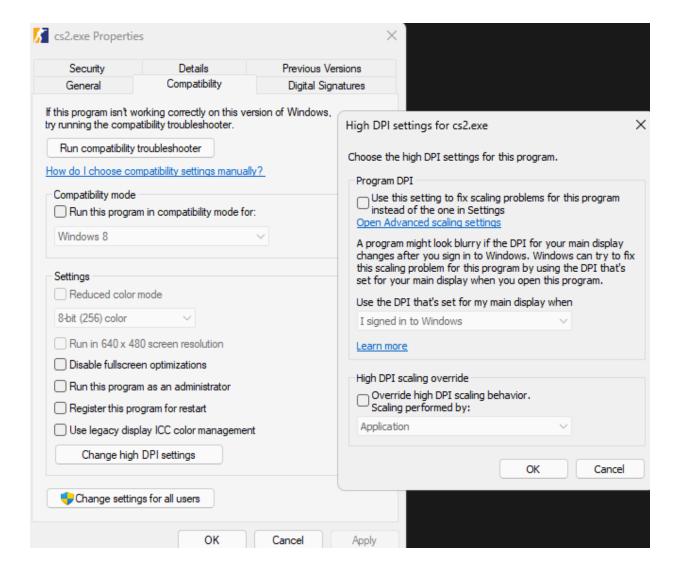


Nothing in launch options unless u stream OBS where u need -allow_third_party_software



 $\label{lem:common} \label{lem:common} $$C:\Pr Global Offensive $$ ame\bin\win64 $$$

untick everything under properties



New novid method

You gain like 2 seconds when opening game + you don't have the audio breaking your ears CS2 How to skip intro - Steam Guide

Tweaks to fix stuttering

Fix #3 Delete shaders in steam - Reddit delete nvidia or amd shader cache

■ Improve Stuttering & Performance | Clear Nvidia Cache Guide | Improve Performance In ...

Fix CS2 hard stutters or freezes in FACEIT and you have an ASUS motherboard - Twitter https://x.com/fREQUENCYCS/status/1818947137742233847

https://x.com/fREQUENCYCS/status/1816822462182498786

https://x.com/Afromnazareth/status/1838988784215409133

Autoexec/Commands

Download Autoexec and Prac config Make sure to check every line!

C:\Program Files (x86)\Steam\steamapps\common\Counter-Strike Global Offensive\game\csgo\cfg

Pastebin - Easy Version
Pastebin - Advanced Version
Pastebin - Prac Config

Important commands to have:

- rate 1000000
- r_show_build_info 0
- cl_allow_animated_avatars 0

Hardware Optimization

Mouse:

- Use 1600 dpi
- Use the maximum polling rate your mouse can (2khz, 4khz, 8khz)
- Why Gamers are Switching to High DPI
- Before you upgrade to higher polling rates.

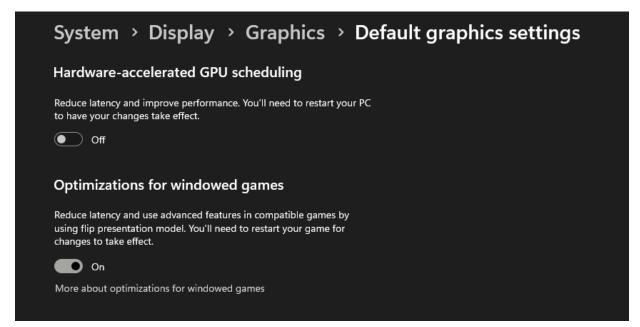
Keyboard:

Use a keyboard were u can change the actuation and have rapid trigger

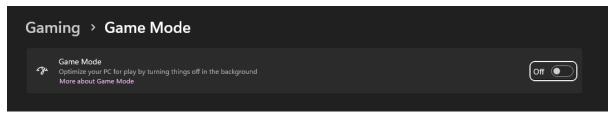
- Steelseries APEX PRO TKL (2023)
- Razer huntsman V3 Pro
- Wooting

WINDOWS SETTINGS FOR CS2

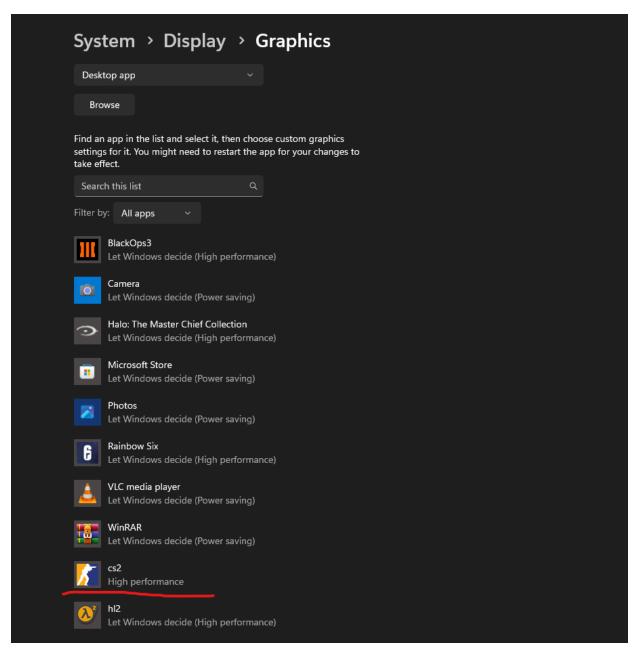
Hags OFF



Game Mode off



CS2 High performance



Core isolation off

Windows 11 - Core Isolation

NVIDIA SETTINGS FOR CS2

Nvidia Driver

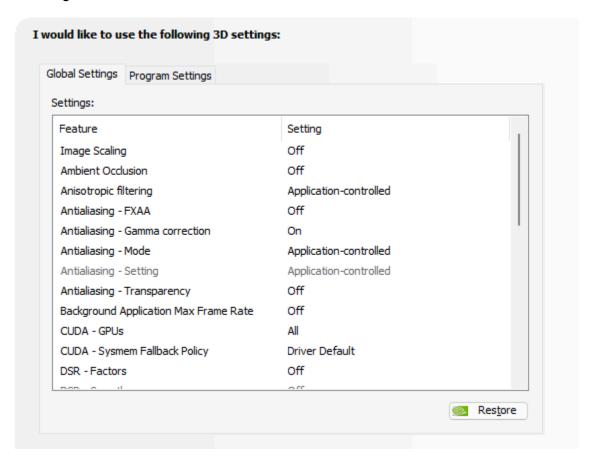
Anything above **551.86** is fine. If you use below that, u won't get the proper CS2 driver CS2 REFLEX Driver - Reddit Driver shader fix

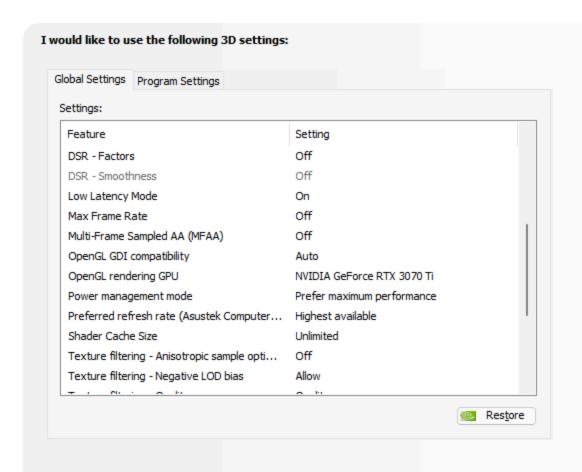
DDU

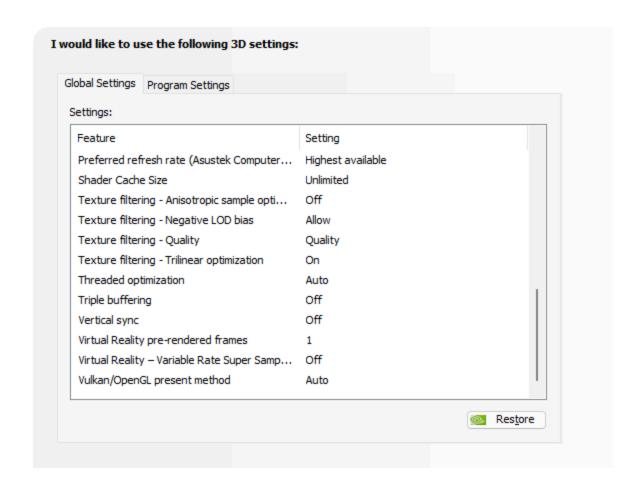
- How to Install GPU drivers PROPERLY for OLD or NEW GPUs in 2024 ✓ use Nyclean to clean install driver 1:20
- □ The ONLY CS2 FPS BOOST GUIDE You'll EVER NEED, Increase FPS, REDUCE Input L...

Nvidia Control Panel

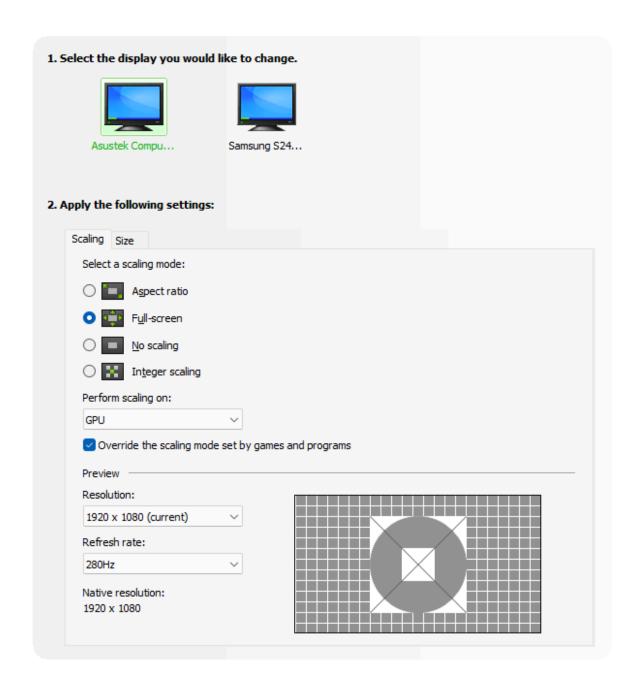
3D Settings:







Display Settings:



Unless your hardware is ancient, always use GPU

Difference between GPU and Display scaling in CS2 - Reddit

Benchmark

This is my own benchmark result to give you an idea

PC Specs

CPU: Intel i9-10850k

GPU: Zotac 3070 ti 8GB RAM: 32GB DDR4 3200Mhz

Performance report

FPS: Avg=369.7, P1=148.4

```
CONSOLE
 [Console] Enabling flag 'donotecho' on channel 'Console'.
  [VProf] -- Performance report
[VProf] Summary of 42307 frames.
                                                       (2879 frames excluded from analysis.)
                                                                     Frame Boundary
Client Simulation
                                                                 Client Simulation
ClientSimulateFrame
Server Simulation
Server Game
Prediction
ClientSimulateTick
Client Input/Output
PanoramaUI
UserCommands
                                                                                                                             42307
42307
7311
42307
7311
42307
7311
                                                              LowLatencySleep
Server Send Networking
                                                                       Client Animation
              LatchAndSaveLastSimulationValuesForInterpolationList
 [WorldRenderer] CWorldRendererMgr::ServiceWorldRequests long frame: 20.700133ms
```

Here are all my sources for creating this guide:

- these pro tips WILL fix your fps in CS2
- The ONLY CS2 FPS BOOST GUIDE You'll EVER NEED, Increase FPS, REDUCE Input L...
- THIS BHOP SETTING IS LIFE CHANGING

The Placebo Bible (All known CS2 performance fixes and tweaks)
PC Optimization Guide - Increase FPS in CS2 | Refrag.gg

these pro tips WILL fix your fps in CS2

CS2 Best Settings & Options Guide
CS2 Nvidia Low latency "ON / OFF / ULTRA"
Nvidia driver CS2

Here are my socials:

- BiNoX Config SETTINGS.GG
- <u>Twitter</u>
- Steam
- Discord: binox.

Hmu if you have any questions or want to talk about pc optimization with me :) see ya