

Warning

Increasing speed of the laptop CPU can overheat the laptop, so, without a good cooler below laptop it will simply shut down because of overheat... I am suggesting you buying at least:

https://www.coolermaster.com/en-global/products/notepal-i300/?tab=tech_spec



Specifications:

- Fan Dimensions (L x W x H) 160 x 160 x 15 mm / 6.3 x 6.3 x 0.6 inch
- Fan Speed 700–1400 RPM \pm 150
- Fan Airflow 35 - 70 CFM

Laptop temperatures with this cooler always connected and working are:

Open Hardware Monitor			
File View Options Help			
Sensor	Value	Max	
ORWELLIYADA			
Dell 0H2F8K			
11th Gen Intel Core i7-1...			
Clocks			
Bus Speed	99.4 MHz	99.4 MHz	
CPU Core #1	4074.9 MHz	4074.9 MHz	
CPU Core #2	1192.7 MHz	4671.2 MHz	
CPU Core #3	4671.3 MHz	4671.3 MHz	
CPU Core #4	1192.7 MHz	4671.2 MHz	
Temperatures			
CPU Core #1	67.0 °C	87.0 °C	
CPU Core #2	68.0 °C	88.0 °C	
CPU Core #3	69.0 °C	86.0 °C	
CPU Core #4	67.0 °C	94.0 °C	
CPU Package	70.0 °C	94.0 °C	
Load			
CPU Total	13.7 %	22.3 %	
CPU Core #1	24.6 %	31.7 %	
CPU Core #2	10.0 %	25.0 %	
CPU Core #3	12.3 %	15.3 %	
CPU Core #4	7.7 %	19.6 %	
Powers			
CPU Package	13.8 W	15.6 W	
CPU Cores	10.0 W	11.7 W	
CPU Graphics	0.0 W	0.2 W	
CPU DRAM	0.0 W	0.0 W	
Generic Memory			
Load			
Memory	63.2 %	63.5 %	
Data			
Used Memory	9.9 GB	10.0 GB	
Available Memory	5.8 GB	5.8 GB	
NVIDIA NVIDIA GeForc...			
Clocks			
GPU Core	1531.0 MHz	1531.0 MHz	
GPU Memory	3504.0 MHz	3504.0 MHz	
GPU Shader	3062.0 MHz	3062.0 MHz	
Temperatures			
GPU Core	0.0 °C	69.0 °C	
Load			
GPU Core	0.0 %	2.0 %	
GPU Frame Buffer	0.0 %	0.0 %	
GPU Video Engine	0.0 %	0.0 %	
GPU Bus Interface	0.0 %	1.0 %	
GPU Memory	3.9 %	3.9 %	

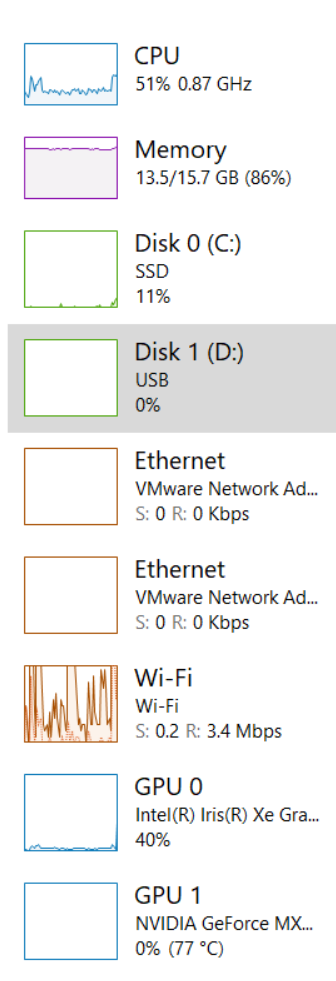
How to speed up your processor using Registry Keys

In my example I have a laptop “Dell Vostro 5502” with processor “11th Gen Intel® Core™ i7-1165G7 @ 2.80GHz” working on up to 4.7 GHz where it is for some reason set to work on up to 1.69 GHz with a possible boost up to 2.7 GHz and later on 4.1 GHz (because for some reason Windows doesn’t allow the full usage of the CPU)...

In Task Manager you will find this description about the processor:

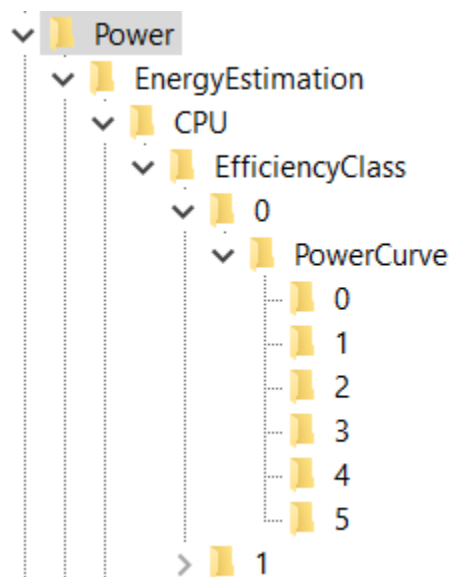
Base speed:	1.69 GHz
Sockets:	1
Cores:	4
Logical processors:	8
Virtualization:	Enabled
L1 cache:	320 KB
L2 cache:	5.0 MB
L3 cache:	12.0 MB

First thing that I was asking is the 2 given options in the Registry Keys for “EfficiencyClass” when I can have 3 if processor is locked on 1.69... The other thing to consider here is enabled energy saver locking that processor on 1.69 GHz, and not on 2.7 GHz... That energy saver with Windows given options shall make this Intel CPU to work on 0.87 GHz and even slower on about 0.4 GHz when the greater CPU consumption and usage comes in place...



First of all to avoid that we need to fix some Registry values and settings:

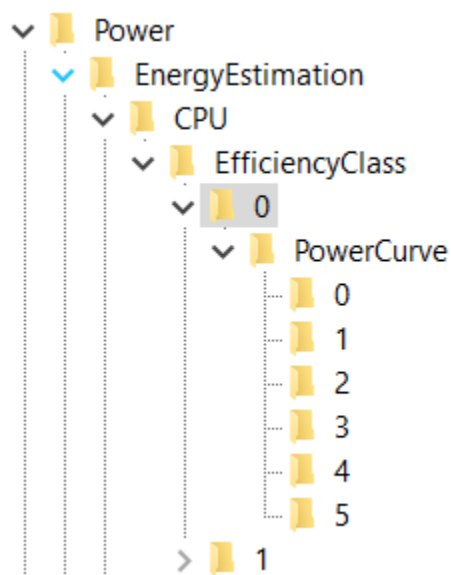
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power



Here I would pay attention what does EnergyEstimationEnabled option... Leave it turned on, because, by some thinking – under the folder EnergyEstimation , but that is my choice...

Name	Type	Data
(Default)	REG_SZ	(value not set)
Class1InitialUnparkCount	REG_DWORD	0x00000064 (100)
CustomizeDuringSetup	REG_DWORD	0x00000001 (1)
EnableInputSuppression	REG_DWORD	0x00000000 (0)
EnergyEstimationEnabled	REG_DWORD	0x00000001 (1)
EventProcessorEnabled	REG_DWORD	0x00000001 (1)
HiberFileSizePercent	REG_DWORD	0x00000064 (100)
HibernateEnabledDefault	REG_DWORD	0x00000001 (1)
IgnoreCsComplianceCheck	REG_DWORD	0x00000001 (1)
MfBufferingThreshold	REG_DWORD	0x00000000 (0)
PerfCalculateActualUtilization	REG_DWORD	0x00000001 (1)
SourceSettingsVersion	REG_DWORD	0x00000003 (3)
TimerRebaseThresholdOnDripsExit	REG_DWORD	0x0000003c (60)

- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\EnergyEstimation\CPU\EfficiencyClass\0

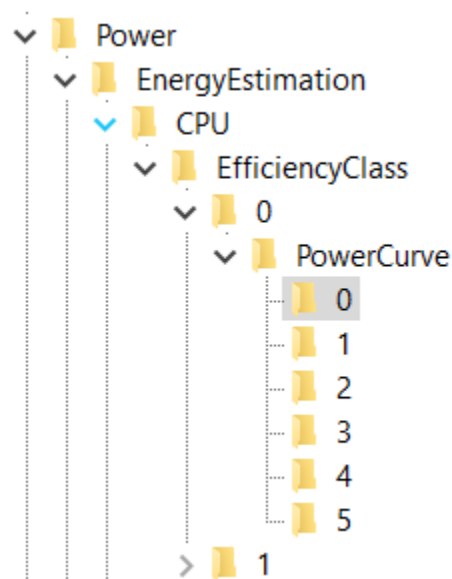


Name	Type	Data
(Default)	REG_SZ	(value not set)
PowerEnvelope	REG_DWORD	0x00001200 (4608)

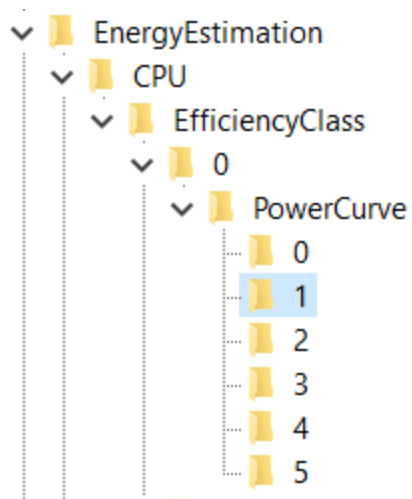
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\EnergyEstimation\CPU\EfficiencyClass\0\PowerCurve\0


Explanation for the values: FrequencyPercent is represented in decimals as a percentage, and PowerEnvelope is represented in HexaDecimal values but through the Decimal values – so for example if you type in the Decimal value “1000” you should see it as is written in HexaDecimal values, which translated gives us 4.096 GHz... You should notice one interesting thing that you can’t type in all of the Frequencies for the processor because in hexadecimal values you can write and letters A – F, so for example “A99” would be 2.713 GHz, and here you can write only numbers which means either you would need to agree to processor speed of (in Hexadecimal values) “999” or “1000”, which is translated: 2.457 GHz (for “999”) or 4.096 GHz (for “1000”)...

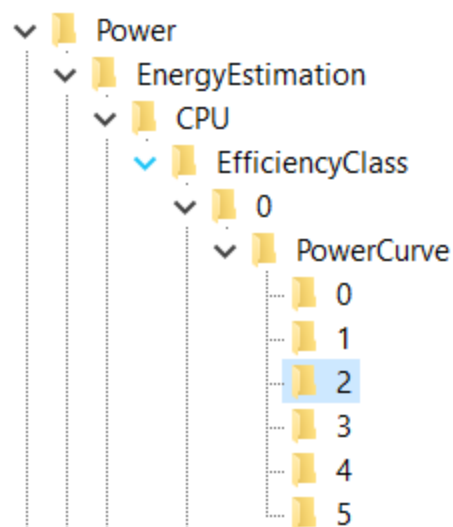
So my setting is:



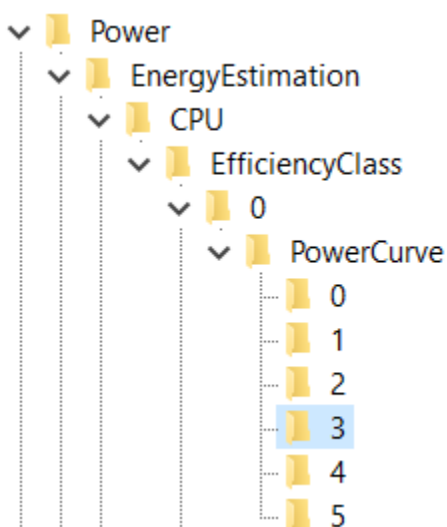
Name	Type	Data
(Default)	REG_SZ	(value not set)
FrequencyPercent	REG_DWORD	0x00000050 (80)
PowerEnvelope	REG_DWORD	0x000004b0 (1200)



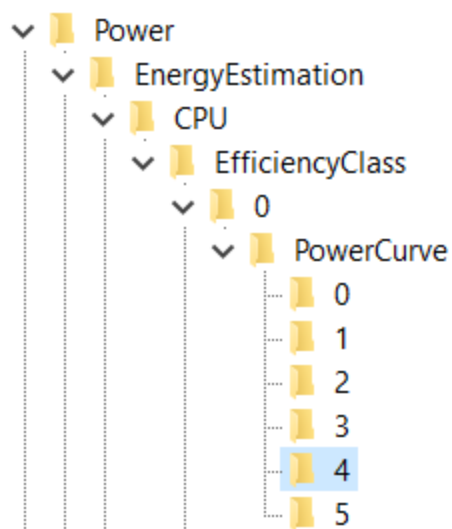
Name	Type	Data
 (Default)	REG_SZ	(value not set)
 FrequencyPercent	REG_DWORD	0x00000053 (83)
 PowerEnvelope	REG_DWORD	0x000004b0 (1200)



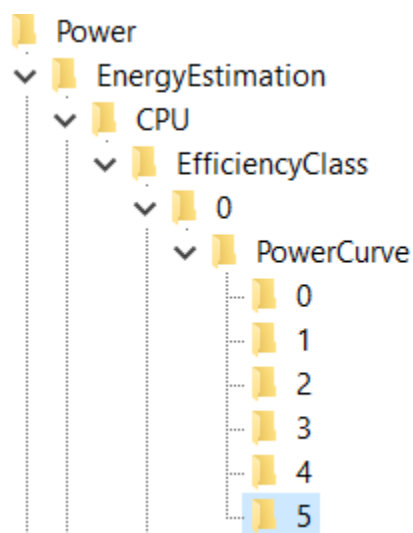
Name	Type	Data
(Default)	REG_SZ	(value not set)
FrequencyPercent	REG_DWORD	0x00000055 (85)
PowerEnvelope	REG_DWORD	0x000004b0 (1200)



Name	Type	Data
(Default)	REG_SZ	(value not set)
FrequencyPercent	REG_DWORD	0x0000005a (90)
PowerEnvelope	REG_DWORD	0x000004b0 (1200)

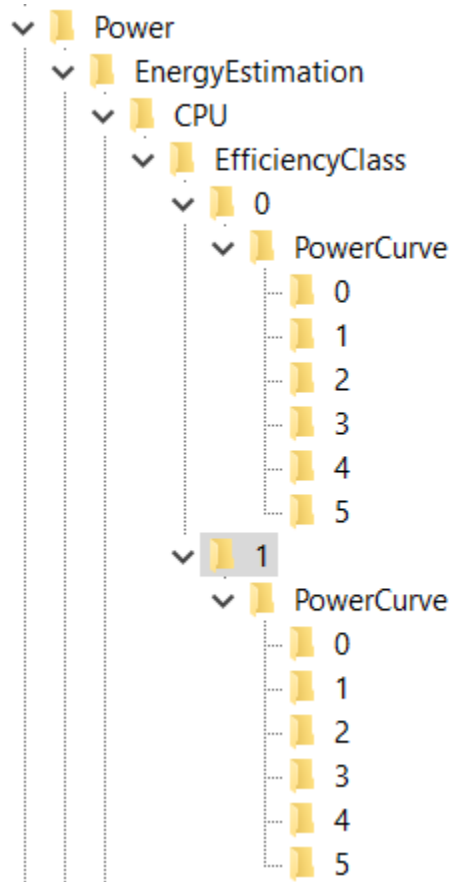


Name	Type	Data
(Default)	REG_SZ	(value not set)
FrequencyPercent	REG_DWORD	0x0000005f (95)
PowerEnvelope	REG_DWORD	0x000004b0 (1200)

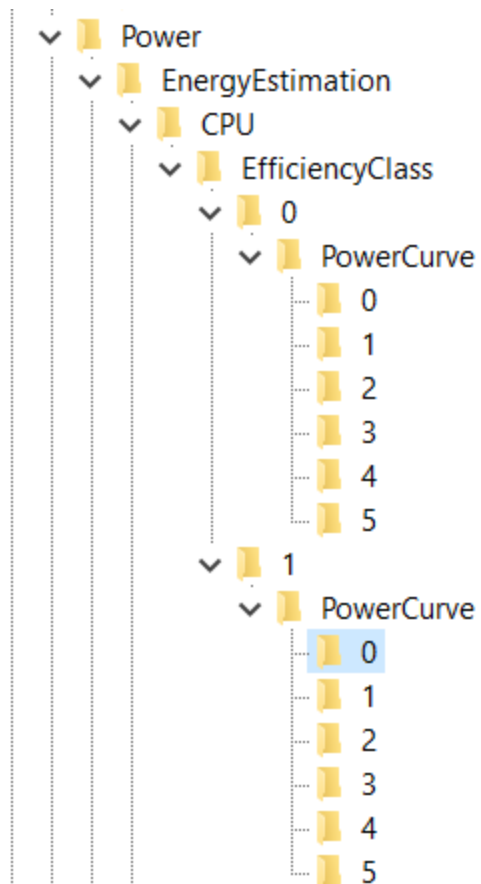



Name	Type	Data
(Default)	REG_SZ	(value not set)
FrequencyPercent	REG_DWORD	0x00000064 (100)
PowerEnvelope	REG_DWORD	0x000004b0 (1200)

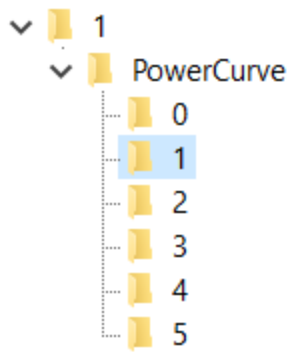
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\EnergyEstimation\CPU\EfficiencyClass\1



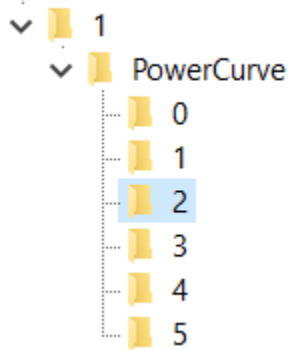
Name	Type	Data
(Default)	REG_SZ	(value not set)
PowerEnvelope	REG_DWORD	0x00001200 (4608)



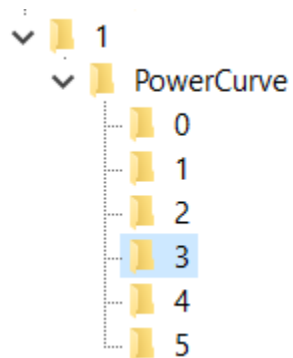
Name	Type	Data
 (Default)	REG_SZ	(value not set)
 FrequencyPercent	REG_DWORD	0x00000041 (65)
 PowerEnvelope	REG_DWORD	0x000004b0 (1200)



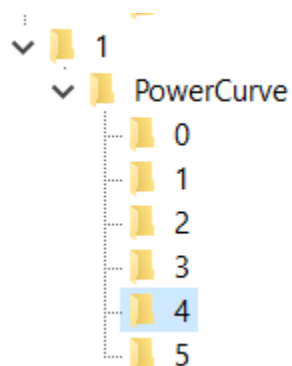
Name	Type	Data
(Default)	REG_SZ	(value not set)
FrequencyPercent	REG_DWORD	0x00000046 (70)
PowerEnvelope	REG_DWORD	0x000004b0 (1200)






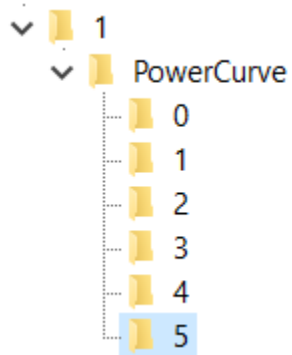
Name	Type	Data
(Default)	REG_SZ	(value not set)
FrequencyPercent	REG_DWORD	0x00000055 (85)
PowerEnvelope	REG_DWORD	0x000003e7 (999)



Name	Type	Data
 (Default)	REG_SZ	(value not set)
 FrequencyPercent	REG_DWORD	0x0000005a (90)
 PowerEnvelope	REG_DWORD	0x000004b0 (1200)

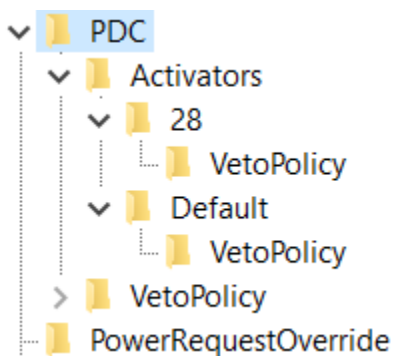


Name	Type	Data
 (Default)	REG_SZ	(value not set)
 FrequencyPercent	REG_DWORD	0x0000005f (95)
 PowerEnvelope	REG_DWORD	0x000004b0 (1200)



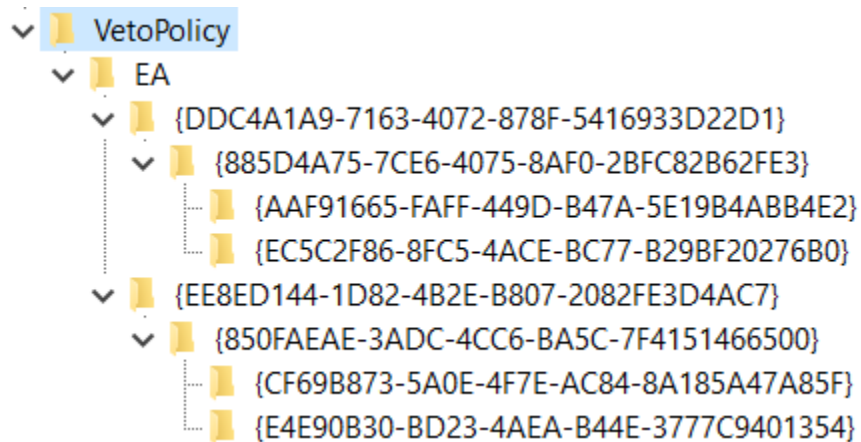
Name	Type	Data
(Default)	REG_SZ	(value not set)
FrequencyPercent	REG_DWORD	0x00000064 (100)
PowerEnvelope	REG_DWORD	0x000004b0 (1200)

- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PDC



Laptop works faster if VetoPolicy options are turned off...

- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PDC\Activators\28\VetoPolicy
 - EA:PowerStateDischarging: 1
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PDC\Activators\Default\VetoPolicy
 - EA:EnergySaverEngaged: 1

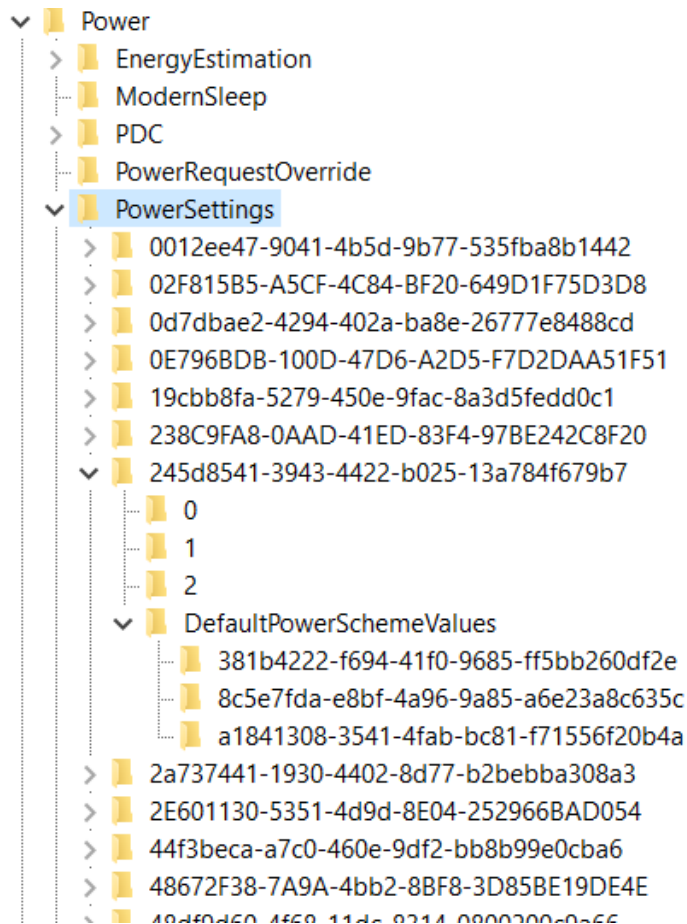


I am not sure if this values represent the maximum speed of the processor but I have placed them all on maximum for my processor:

- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PDC\VetoPolicy\EA\{DDC4A1A9-7163-4072-878F-5416933D22D1}\{885D4A75-7CE6-4075-8AF0-2BFC82B62FE3}\{AAF91665-FAFF-449D-B47A-5E19B4ABB4E2}
 - Type 4121 -> 4700
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PDC\VetoPolicy\EA\{DDC4A1A9-7163-4072-878F-5416933D22D1}\{885D4A75-7CE6-4075-8AF0-2BFC82B62FE3}\{EC5C2F86-8FC5-4ACE-BC77-B29BF20276B0}
 - Type 4106 -> 4700
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PDC\VetoPolicy\EA\{EE8ED144-1D82-4B2E-B807-2082FE3D4AC7}\{850FAEAE-3ADC-4CC6-BA5C-7F4151466500}\{CF69B873-5A0E-4F7E-AC84-8A185A47A85F}
 - Type 4106 -> 4700
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PDC\VetoPolicy\EA\{EE8ED144-1D82-4B2E-B807-2082FE3D4AC7}\{850FAEAE-3ADC-4CC6-BA5C-7F4151466500}\{E4E90B30-BD23-4AEA-B44E-3777C9401354}
 - Type 4145 -> 4700

You will notice that those folders – “keys” there is a value that has a DWORD named “Value” and that it is turned off, I have placed it to 0...

- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings



Talking about PowerSettings you need to turn High Performance on, set graphics to work in High performance mode, to set CPU to work by High Performance if you wish on all 3 levels (3 different keys under “DefaultPowerSchemeValues” folder) – because it is unknown in Registry Editor which level is for “Best Battery Life” setting, which is “Balanced” setting, and which is for “Best (High) performance” setting... What I can conclude, for my processor and type of Windows that I have – key: “8c5e7fda-e8bf-4a96-9a85-a6e23a8c635c” represents the “High performance” mode and mostly from that key I have been copying to other two keys it’s own already set values... Some keys I have changed completely, adjusting values how I liked...

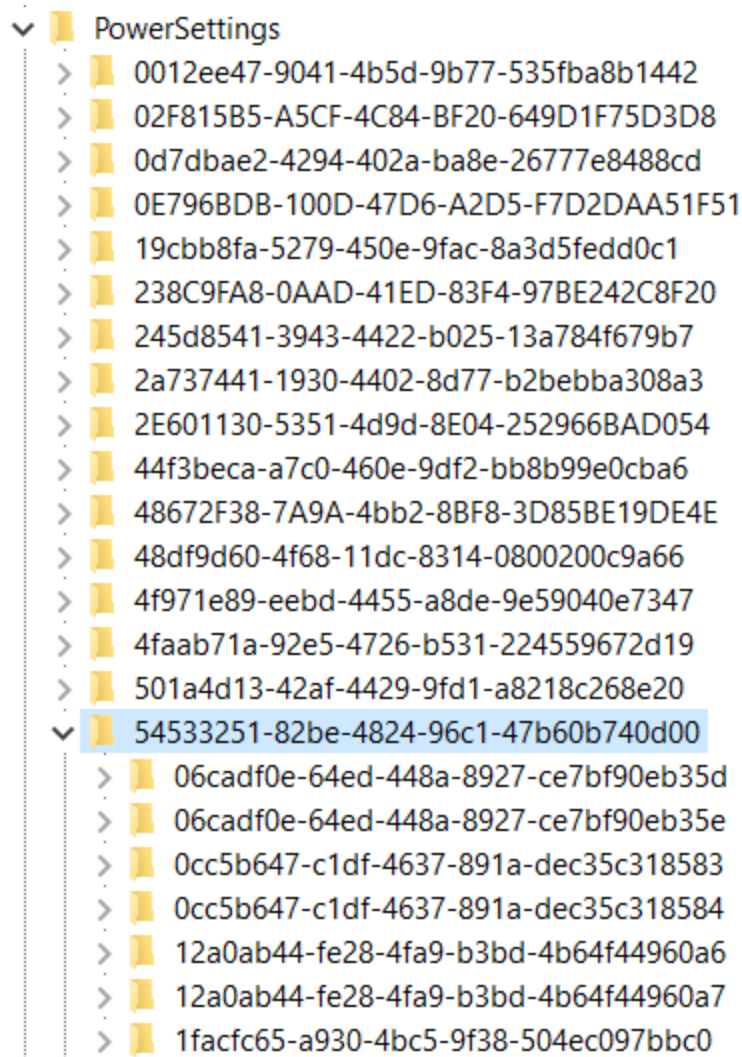
How this part of the registry works? First you will have a “key” (folder) where you will find options that you can implement under “keys” (folders) 0, 1, 2 and you will have a folder where you can implement those options named: “DefaultPowerSchemeValues”... In those folders you can find the description and a “friendly name” (also a type of a description) of the current part of the Registry Keys... Each of the main folders named for example: “0”, “1” or “2” will have some type of a value that you can use later on... That value you will find under a DWORD (data) name “SettingValue”... The best setting whether it’s under folder “0”, “1” or “2” you

can copy into the “AcSettingIndex” or “DcSettingIndex”, or “ProvAcSettingIndex” or “ProvDcSettingIndex”...

In cases where you don't have options under keys (folders) “0”, “1”, “2”, you will have some type of a scale that you can implement... Maximum value of the scale you can find under the main folder and it's DWORD named “ValueMax” and it's possible minimum under a DWORD named “ValueMin”... Always take a look at: DWORD named ValueUnits that will have a description for example: “@%SystemRoot%\system32\powrprof.dll,-81,percent” – there the last word we can find is the word “percent” meaning you should implement in decimal numbers value from 0 to 100 representing some kind of a percentage of a usage for some of the situations...

Some of the settings that I have implemented are:

- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00



Under power settings you will find the key: “54533251-82be-4824-96c1-47b60b740d00” with “Processor power settings” and you need to see each of the keys (folders) it has and to adjust them except time settings which I haven’t changed...

- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\0cc5b647-c1df-4637-891a-dec35c318583
 - Description: Specify the minimum number of unparked cores/packages allowed (in percentage).
 - Setting implemented: 64 (100)
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\1facfc65-a930-4bc5-9f38-504ec097bbc0
 - Description: Specify the minimum number of unparked cores/packages allowed (in percentage).
 - Setting implemented: 64 (100)

- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\3b04d4fd-1cc7-4f23-ab1c-d1337819c4bb
 - FriendlyName: Allow Throttle States
 - Setting implemented: Off
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\40fbefc7-2e9d-4d25-a185-0cfd8574bac6
 - FriendlyName: Processor performance decrease policy
 - Setting implemented: Single
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\40fbefc7-2e9d-4d25-a185-0cfd8574bac7
 - FriendlyName: Processor performance decrease policy for Processor Power Efficiency Class 1
 - Setting implemented: Single
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\447235c7-6a8d-4cc0-8e24-9eaf70b96e2b
 - Processor performance core parking parked performance state
 - Best option for the speed of processor: Lightest Performance State
 - My setting implemented: No preference
 - Some theory on that topic: Unused CPUs enter parked state and not to spend energy they can enter Deepest Performance state to save power and reduce the heat... Otherwise faster option is "Lightest Performance state"...
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\45bcc044-d885-43e2-8605-ee0ec6e96b59
 - FriendlyName: Processor performance boost policy
 - All Settings implemented: 0x64 (or Decimal: 100 (%))
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\465e1f50-b610-473a-ab58-00d1077dc418
 - FriendlyName: Processor performance increase policy
 - Setting implemented: Rocket
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\4e4450b3-6179-4e91-b8f1-5bb9938f81a1
 - FriendlyName: Processor duty cycling
 - Setting implemented: Allow processor duty cycling.

- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\5d76a2ca-e8c0-402f-a133-2158492d58ad
 - Description: Specify if idle states should be disabled.
 - Setting implemented: Enable idle
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\6c2993b0-8f48-481f-bcc6-00dd2742aa06
 - FriendlyName: Processor idle threshold scaling
 - Setting implemented: Disable scaling
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\71021b41-c749-4d21-be74-a00f335d582b
 - Description: Specify the number of cores/packages to park when fewer cores are required.
 - Setting implemented: Ideal number of cores
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\75b0ae3f-bce0-45a7-8c89-c9611c25e100
 - FriendlyName: Maximum processor frequency
 - Setting implemented: Decimal value: 4700
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\75b0ae3f-bce0-45a7-8c89-c9611c25e101
 - FriendlyName: Maximum processor frequency for Processor Power Efficiency Class 1
 - Setting implemented: Decimal value: 2457
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\7f2f5cfa-f10c-4823-b5e1-e93ae85f46b5
 - FriendlyName: Heterogeneous policy in effect.
 - Setting implemented: Use heterogeneous policy 0

Don't forget to check options for Graphic card:

- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\5FB4938D-1EE8-4b0f-9A3C-5036B0AB995C
 - FriendlyName: GPU preference policy
 - Setting implemented: No preference (because other setting I had was: Low Power)

Check Energy Saving settings:

- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\DE830923-A562-41AF-A086-E3A2C6BAD2DA
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\DE830923-A562-41AF-A086-E3A2C6BAD2DA\5C5BB349-AD29-4ee2-9D0B-2B25270F7A81
 - FriendlyName: Energy Saver Policy
 - Setting implemented: User

Also, you can go back to processor settings and find the “Processor performance increase threshold” and “Processor performance decrease threshold” options, as I know I have changed some of the percentages, for example from 35 to 20 if is faster and from 45 to 50, but maybe I have pushed it above the edge or below the edge (I am not even sure)... Maybe those settings are fine by themselves...

My options there are in decimal values:

- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\7b224883-b3cc-4d79-819f-8374152cbe7c
 - FriendlyName: Processor idle promote threshold
 - Setting implemented: 14 (20)
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\943c8cb6-6f93-4227-ad87-e9a3feec08d1
 - FriendlyName: Processor performance core parking over utilization threshold
 - Setting implemented: 1e (30)
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\06cadf0e-64ed-448a-8927-ce7bf90eb35d
 - FriendlyName: Processor performance increase threshold
 - Setting implemented: 0 (0)
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\06cadf0e-64ed-448a-8927-ce7bf90eb35e
 - FriendlyName: Processor performance increase threshold for Processor Power Efficiency Class 1
 - Setting implemented: 0 (0)
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\12a0ab44-fe28-4fa9-b3bd-4b64f44960a6
 - FriendlyName: Processor performance decrease threshold
 - Description: Specify the lower busy threshold that must be met before decreasing the processor's performance state (in percentage).

- Setting implemented: 64 (100)
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\12a0ab44-fe28-4fa9-b3bd-4b64f44960a7
 - FriendlyName: Processor performance decrease threshold
 - Description: Specify the lower busy threshold that must be met before decreasing the processor's performance state (in percentage).
 - Setting implemented: 64 (100)

There is also a setting for “Processor performance boost mode”:

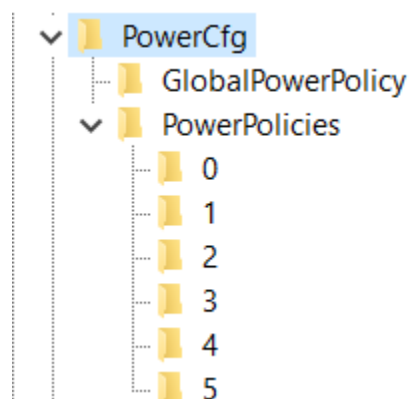
- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\be337238-0d82-4146-a960-4f3749d470c7
 - Setting implemented: 5

Set System cooling policy:





- Computer\HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Control\Power\PowerSettings\54533251-82be-4824-96c1-47b60b740d00\94D3A615-A899-4AC5-AE2B-E4D8F634367F\1
 - Setting implemented: Increase fan speed before slowing the processor

Edit the option for Minimal Power Management:

- Computer\HKEY_CURRENT_USER\Control Panel\PowerCfg



Here, on my Windows, under a number 4 is:

Name	Type	Data
 (Default)	RE...	(value not set)
 Description	RE...	This scheme keeps the computer on and optimizes it for high performance.
 Name	RE...	Minimal Power Management
 Policies	RE...	01 00 00 00 02 00 00 00 01 00 00 00 00 00 00 02 00 00 00 00 00 00 00 00 00

So just set in the PowerCfg string CurrentPowerPolicy: 4

Graphic cards

This Laptop “Dell Vostro 5502” has also dual graphics cards - integrated “Intel® Iris® Xe Graphics” and “NVIDIA GeForce MX330”... It has 16GB of RAM memory, and 500 GB SSD hard drive...

There is a topic of a small and reducing processor speed thanks to the small “Bus” (an implemented cable for transferring the data in between the graphic card and the other chips), and that because of it (maybe set on 1.3 GHz) and the processor reduces it’s speed...

HardwareAcceleration

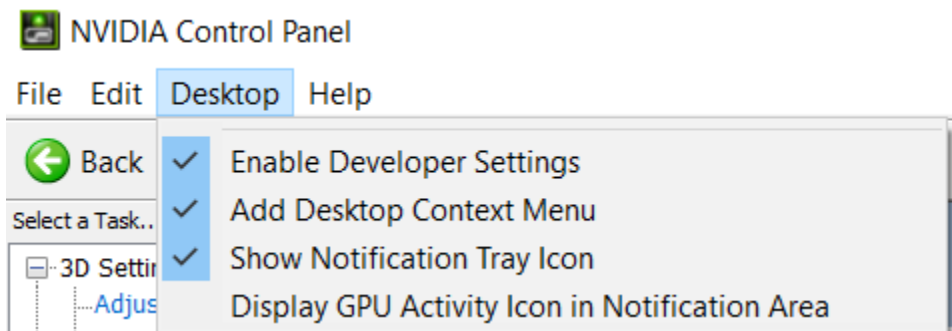
In Registry Editor add the key for removing hardware support for graphics into:

- Computer\HKEY_CURRENT_USER\SOFTWARE\Microsoft\Avalon.Graphics

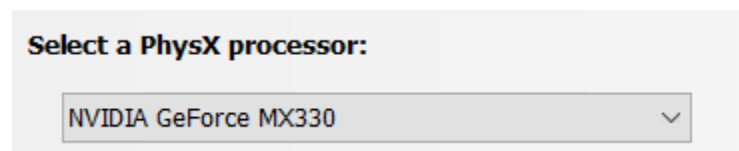
Create DWORD named DisableHWAcceleration and set it to the value: 1

NVIDIA Control Panel:

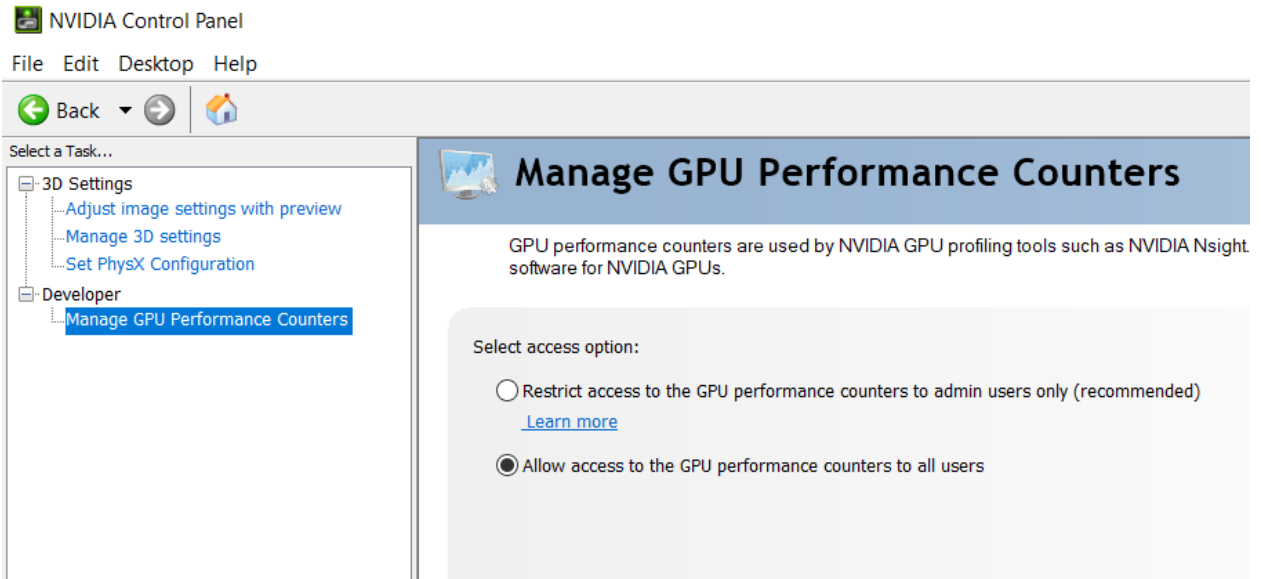
- Turn on Developer settings:



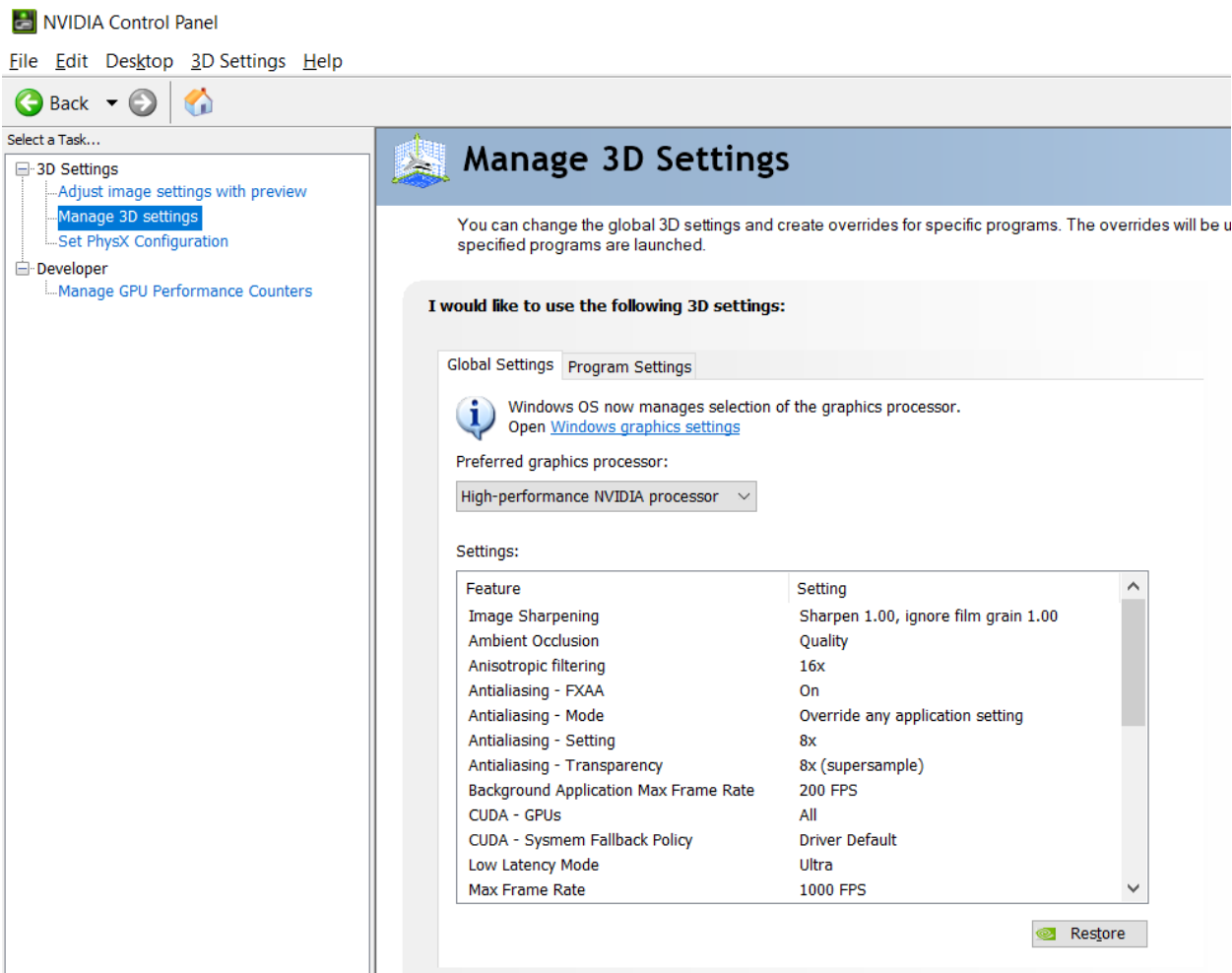
Set PhysX processor to NVIDIA:



Allow this:



And make sure you implement best options for NVIDIA graphic card:



Settings:

Feature	Setting
Multi-Frame Sampled AA (MFAA)	On
OpenGL GDI compatibility	Auto
OpenGL rendering GPU	NVIDIA GeForce MX330
Power management mode	Prefer maximum performance
Shader Cache Size	100 GB
Texture filtering - Anisotropic sample opti...	Off
Texture filtering - Negative LOD bias	Allow
Texture filtering - Quality	High quality
Texture filtering - Trilinear optimization	On
Threaded optimization	On
Triple buffering	On
Vertical sync	Fast

Settings:

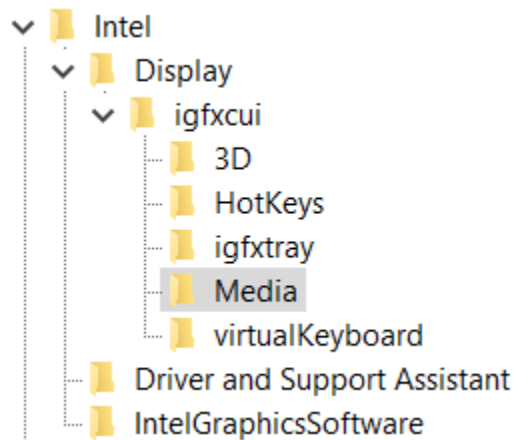
Feature	Setting
OpenGL rendering GPU	NVIDIA GeForce MX330
Power management mode	Prefer maximum performance
Shader Cache Size	100 GB
Texture filtering - Anisotropic sample opti...	Off
Texture filtering - Negative LOD bias	Allow
Texture filtering - Quality	High quality
Texture filtering - Trilinear optimization	On
Threaded optimization	On
Triple buffering	On
Vertical sync	Fast
Virtual Reality pre-rendered frames	4
Vulkan/OpenGL present method	Auto

Intel graphics settings:

Let's talk about the Intel graphic card settings... Besides regular settings for brightness, contrast, saturation and hue, there are some more options under Registry Keys that you might find interesting for a better display view...

I believe that here a setting: "Enable..." or "...Enabled" (for example "EnableACE" or SuperResolutionEnabled") doesn't need to have only options 0 or 1, but it can have any possible options, and the point is that you actually play with the display settings and figure out when you have the best view... I will give you a hint – if you set everything else right – setting the "SkinTone" to a value "3" gives you somehow "a Saint computer user"... So, the conclusion is that you can create anything that you like from these values without needing to restart the computer to see the results...





































- Computer\HKEY_CURRENT_USER\SOFTWARE\Intel\Display\igfxcui\Media



Those settings are mixed, coded, introvert – flipped upside down and mixed while flipping so while we are mixing them we get the word we want – and by the belief it has only one key... For example if we would start with an idea of repeating of hex values – fractal to cosmos – we can for nonsense start with for the non existing “DPA” key: “ff” would be fine, and “fff” would require 7 more “a” hex values for us to put DPA to Yrrygonallya model of understanding... Then if we would add another “e” we would need to type and “dbca” which gives us 8 hex values and the word “DPA” would be translated into Hex as: “fffedbca”. The point is to code as many letters as we can so that we get the desired idea...

All those settings are connected in some way – unknown for us, but by the belief maybe one DWORD after another ... I believe that the code in one field is connected to the code to the other field and that the whole code of the registry editor file of the graphic card represents some type of the solution rather than those parts one by one...

My current settings are shown on this image:

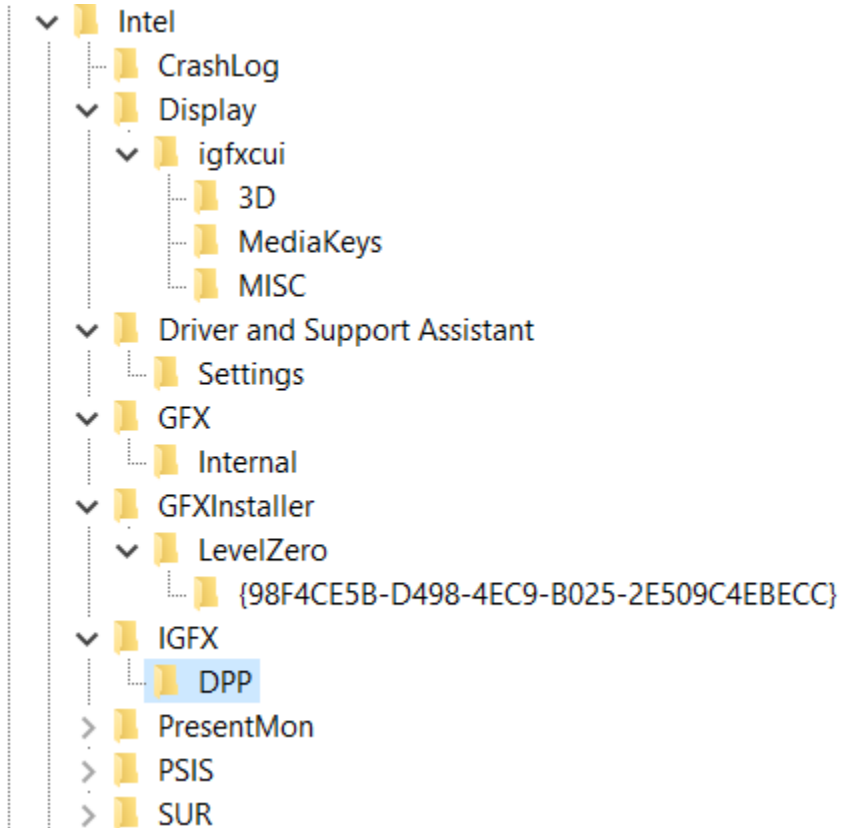
Name	Type	Data
 (Default)	REG_SZ	(value not set)
 AceLevel	REG_DWORD	0xffffedbc (4294962620)
 EnableACE	REG_DWORD	0xffffedbc (4294962620)
 EnableFMD	REG_DWORD	0xffffedbc (4294962620)
 EnableIS	REG_DWORD	0xffffedbc (4294962620)
 EnableNLAS	REG_DWORD	0xffffedbc (4294962620)
 EnableSTE	REG_DWORD	0xffffedbc (4294962620)
 EnableSuperResolution	REG_DWORD	0xffffedbc (4294962620)
 EnableTCC	REG_DWORD	0xffffedbc (4294962620)
 GCompMode	REG_DWORD	0x4444dbed (1145363437)
 GExpMode	REG_DWORD	0x999fedbd (2577395133)
 InputYUVRange	REG_DWORD	0xffff123 (4294963491)
 NLASLinearRegion	REG_DWORD	0xefffffe (4026531838)
 NLASNonLinearCrop	REG_DWORD	0xfeeeeeeef (4277071599)
 NLASVerticalCrop	REG_DWORD	0xfeeffeef (4277141231)
 NoiseReductionAutoDetectEnabledAlways	REG_DWORD	0xffbecaaa (4290693802)
 NoiseReductionEnableChroma	REG_DWORD	0xfffeeeee (4294897390)
 NoiseReductionEnabledAlways	REG_DWORD	0xfffeeeee (4294897390)
 NoiseReductionFactor	REG_DWORD	0xabc987ef (2882111471)
 ProcAmpApplyAlways	REG_DWORD	0xfeefdabd (4277131965)
 ProcAmpBrightness	REG_DWORD	0xfeefdabd (4277131965)
 ProcAmpContrast	REG_DWORD	0xfeefdabd (4277131965)
 ProcAmpHue	REG_DWORD	0xfeefdabd (4277131965)
 ProcAmpSaturation	REG_DWORD	0xfeefdabd (4277131965)
 SatFactorBlue	REG_DWORD	0xeeeddfff (4008566783)
 SatFactorCyan	REG_DWORD	0xeeeddfff (4008566783)
 SatFactorGreen	REG_DWORD	0xeeeddfff (4008566783)
 SatFactorMagenta	REG_DWORD	0xeeeddfff (4008566783)
 SatFactorRed	REG_DWORD	0xeeeddfff (4008566783)
 SatFactorYellow	REG_DWORD	0xeeeddfff (4008566783)
 SharpnessEnabledAlways	REG_DWORD	0xdecaffff (3737845759)
 SharpnessFactor	REG_DWORD	0xfabecaff (4206807807)
 SkinTone	REG_DWORD	0xcefdecaf (3472747695)
 SuperResolutionEnabled	REG_DWORD	0xbffaceff (3220885247)
 SuperResolutionMode	REG_DWORD	0xdecadeca (3737837258)
 UISharpnessOptimalEnabledAlways	REG_DWORD	0xaddeefff (2917068799)

Type all "ffffff" into the LACE file:

- Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Intel\Display\igfxcui\MISC
- Key: BKPDdisplayLACE
- Setting: fffffffe

There is one more thing **optionally** to add:

- Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Intel\IGFX\DPP



Suggested values:

Edit Binary Value

Value name:
DisableDPPTemporarily

Value data:

00000000	99	88	77	66	55	44	33	22	. . w f U D 3 "
00000008	11	00	FF	EE	DD	CC	BB	AA	. . ŷ î Ÿ Ì » ð
00000010	99	88	77	66	55	44	33	22	. . w f U D 3 "
00000018	11	00	FF	EE	DD	CC	BB	AA	. . ŷ î Ÿ Ì » ð
00000020	99	88	77	66	55	44	33	22	. . w f U D 3 "
00000028	11	FF	EE	DD	CC	BB	AA	99	. ŷ î Ÿ Ì » ð .
00000030	88	77	66	55	44	33	22	11	. w f U D 3 " .
00000038	00	FF	EE	DD	CC	BB	AA	99	. ŷ î Ÿ Ì » ð .
00000040	88	77	66	55	44	33	22	11	. w f U D 3 " .
00000048	00	BE	BE	CE	DE	F9	87	65	. % % Î p ù . e
00000050	43	21	00	CD	BA	97	52	10	C ! . Î ð . R .

OKCancel

Edit Binary Value

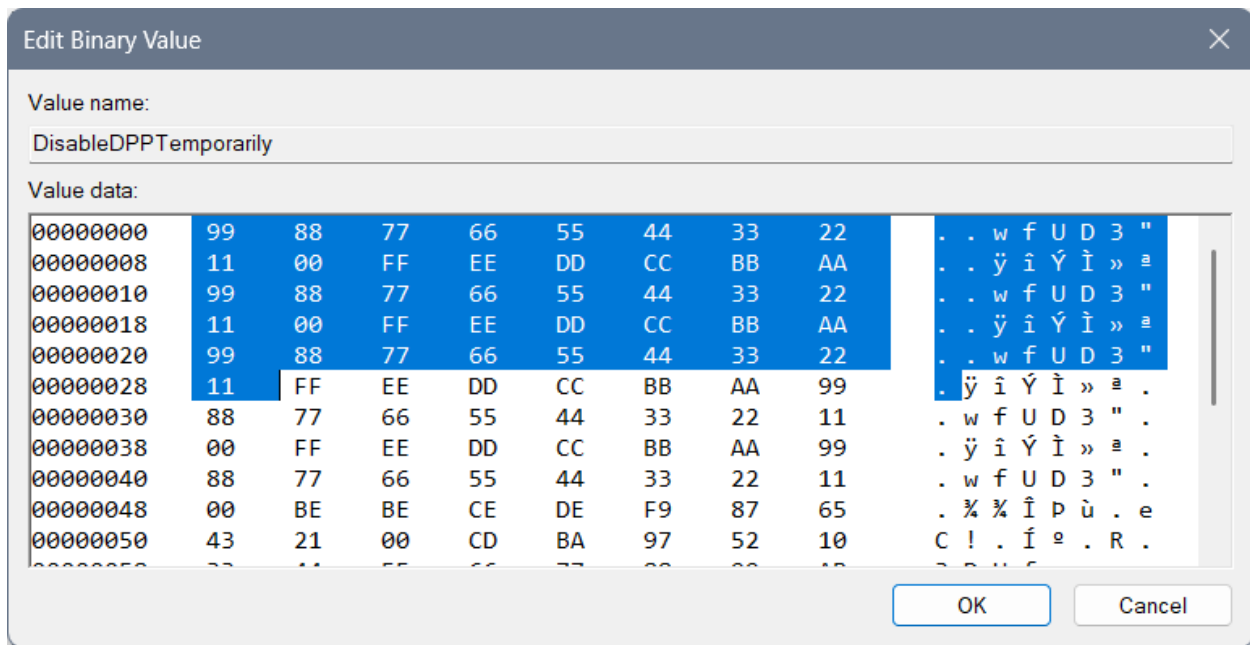
Value name:
DisableDPPTemporarily

Value data:

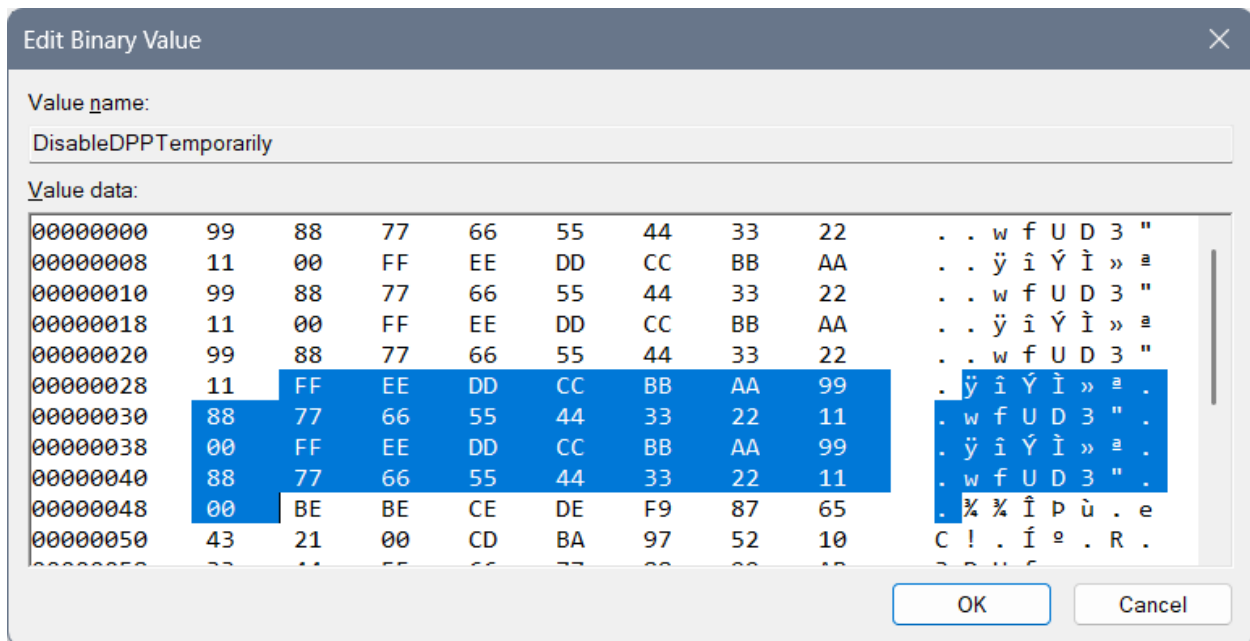
00000048	00	BE	BE	CE	DE	F9	87	65	. % % Î p ù . e
00000050	43	21	00	CD	BA	97	52	10	C ! . Î ð . R .
00000058	33	44	55	66	77	88	99	AB	3 D U f w . . «
00000060	CD	EF	98	76	54	32	10	11	Í ï . v T 2 . .
00000068	22	33	44	55	66	77	88	99	" 3 D U f w . .
00000070	AA	BB	CC	DD	EE	FF	FE	FE	» » Ì Ÿ î ŷ þ þ
00000078	FE	CA	FF	FF	DE	CA	FF	FE	þ Ê ŷ ŷ þ Ê ŷ þ
00000080	EE	DD	DC	CC	BB	BA	AA	99	î Ÿ Ü Ì » ð ð .
00000088	98	88	77	76	66	55	54	44	. . w v f U T D
00000090	33	32	22	11	10	00	FE	FE	3 2 " . . . þ þ
00000098	CA	DE	CA						Ê þ Ê

OKCancel

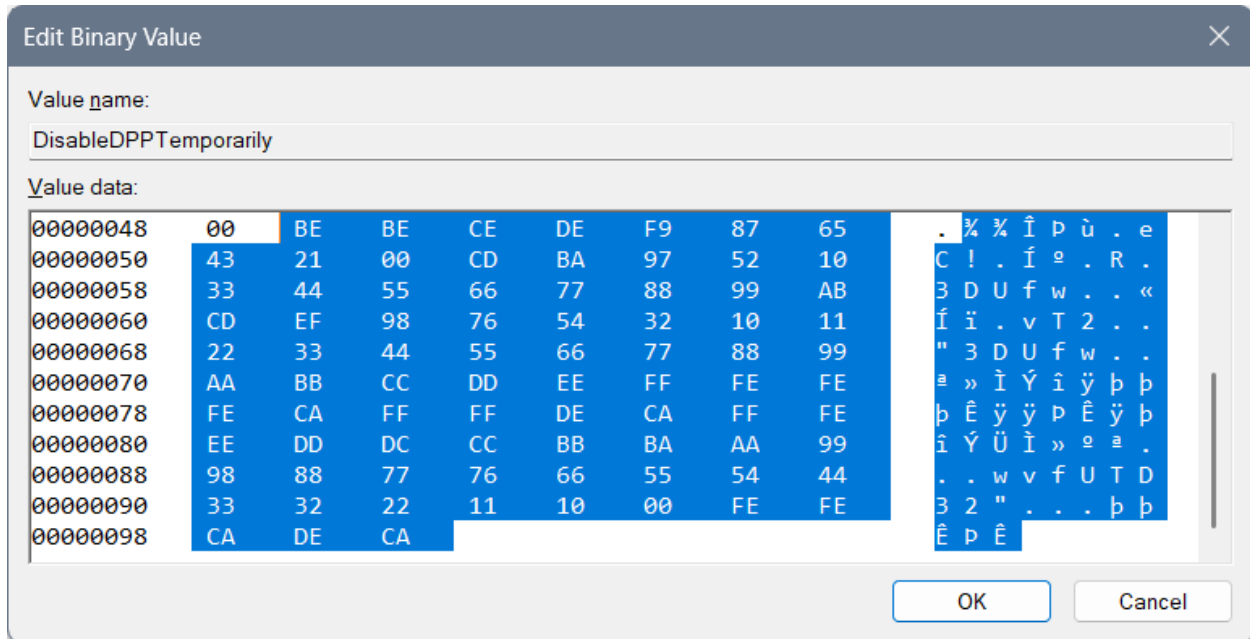
This code is based on some not fully made forbiddance (not fully made because it doesn't give any descriptions or advices) with an idea that we start from the greatest letter "F" and if we mix and code the code into the "Yrrygonallya" complex model as is meaningful model "cosmos" we can get "FF", then we want all the letters and numbers included so the first line of code is: "99 88 77 66 55 44 33 22 11 00 FF EE DD CC BB AA", and if we start with numbers in coded and mixed Yrrygonallya we would get police protection, then letters would give us army protection... Second repeating of that line of code would normalize the protection and third would bring it to life...



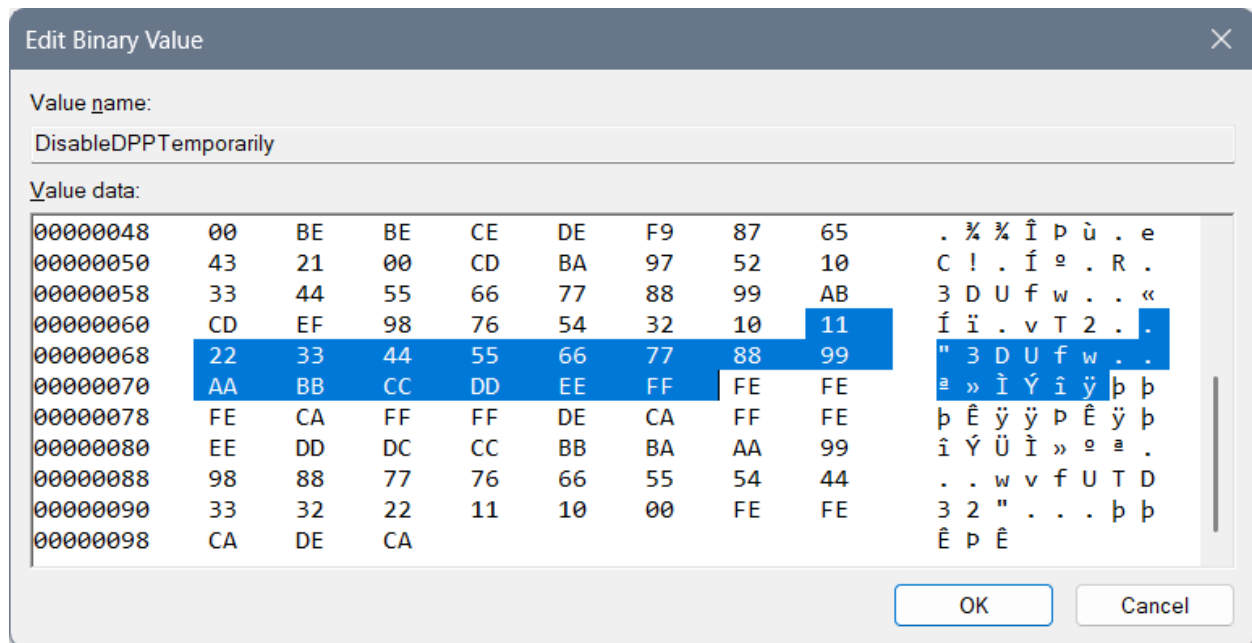
Then we have the reducing of the protection to a regular level with these lines of code:



The next lines of code rarely few will understand, maybe even me...



"BE" is "Yrrygonall" (cosmos jokes left for the marks of meaning of something) code of the display for where we have been and what we have done... Double that would require a next chapter of code (so double that is prolonging of code) and if fully Hexa coded word fits into "Yrrygonallya" then after "BE BE" we would need to finish (as something that has been repeating – fractal, that fits into a particular model – for example "Yrrygonallya" or much simpler and better to understand "cosmos") – "CE DE" which would mean extra complexing of the ban and the "descriptions to come" of those cosmos jokes appearing on the screen... "F9 87 65 43 21 00" would represent complexing of the data on the extreme level, so when we think on the level of imagining as much as we can achieve with our thought that much cosmos jokes would appear of what has been happening with us... "CD BA 97 52 10" represents how much we need and it says we need all of the data... You will find the name of the file "DPPT" – which by coding and mixing of the word and after playing with "Yrrygonallya" model and "fractal to cosmos" idea – we can find out that probably our data is complexed thanks to the previous code we had and after the "BE BE CE DE F9 87 65 43 21 00" if we connect what is there repeating of a single hexa digit as is for example "0" – "1", and implement that into the "CD BA" we would get the vertical rectangle with the data included as is: "97 52 10" meaning: "only necessary data to appear, in short sentences that are complete"... That Extrapolation of the data we would get with increasing the:



After that I have typed a complete and most complex ban of that data: “FE FE FE CA”, and allowing of the data: “FF FF DE CA”... “FFF EEE DDD CCC BBB AAA 999 888 777 666 555 444 333 222 1111 000” relies on complexing the need of the data showing and the variety of an ideas for the data to appear thanks to how we are feeling... “FE FE CA DE CA” has something to do with 3DLUT and it is connection part to the complexed data in between “3DLUT” and the “DPPT”...

3DLUT settings are:

- EnableHardware3DLUT: fbacdfaf
- That setting should be in the correlation with the ending of the file “DPPT” and those 2 codes should somehow represent life...

Previous not pleasing values ideas:

Name	Type	Data
(Default)	REG_SZ	(value not set)
DisableDPPTemporarily	REG_BINARY	00 00 00 00
EnableHardware3DLUT	REG_DWORD	0x43210567 (1126237543)

Name	Type	Data
(Default)	REG_SZ	(value not set)
DisableDPPTemporarily	REG_BINARY	77 00 77 00
EnableHardware3DLUT	REG_DWORD	0x00003210 (12816)

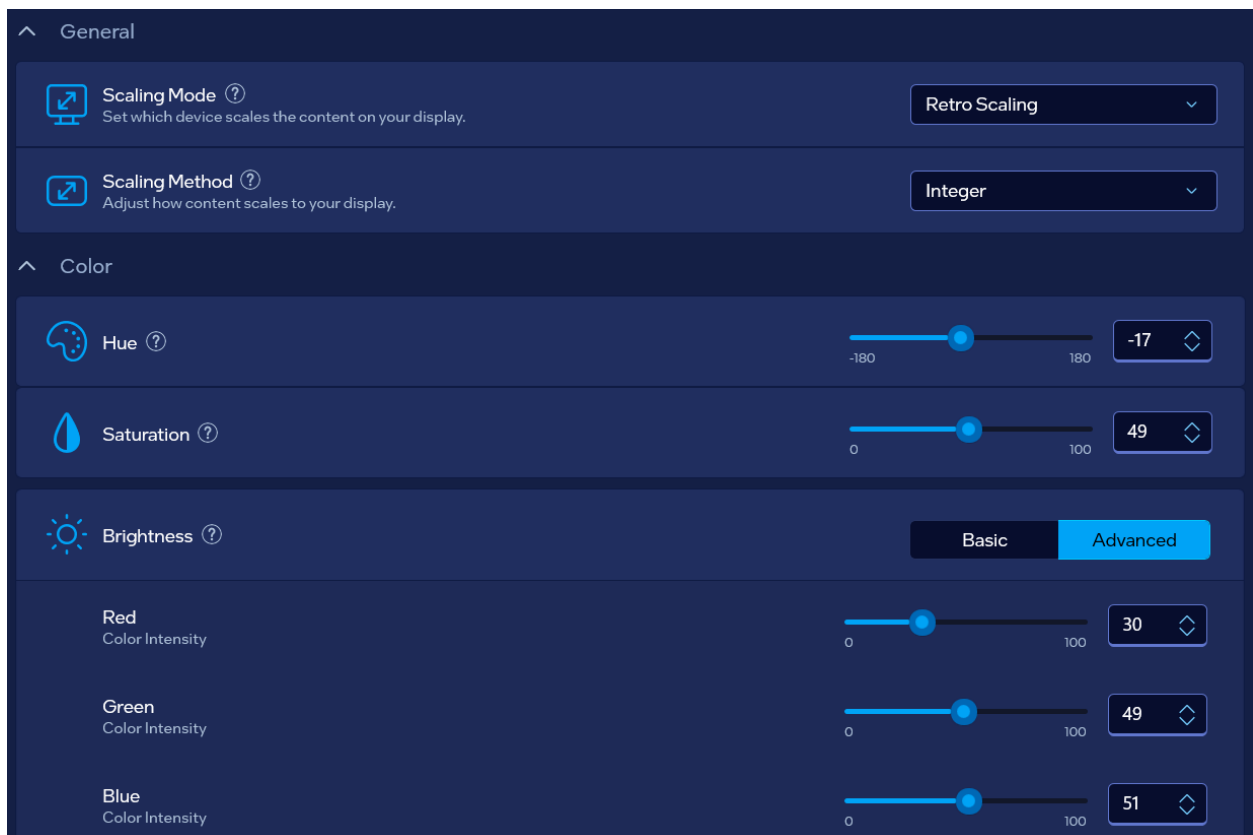
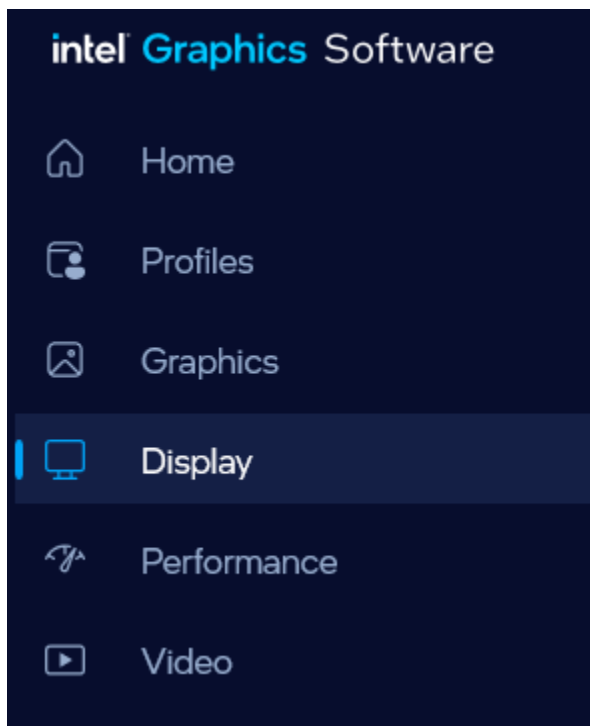
Edit DWORD: "EnableHardware3DLUT", set value to 0:

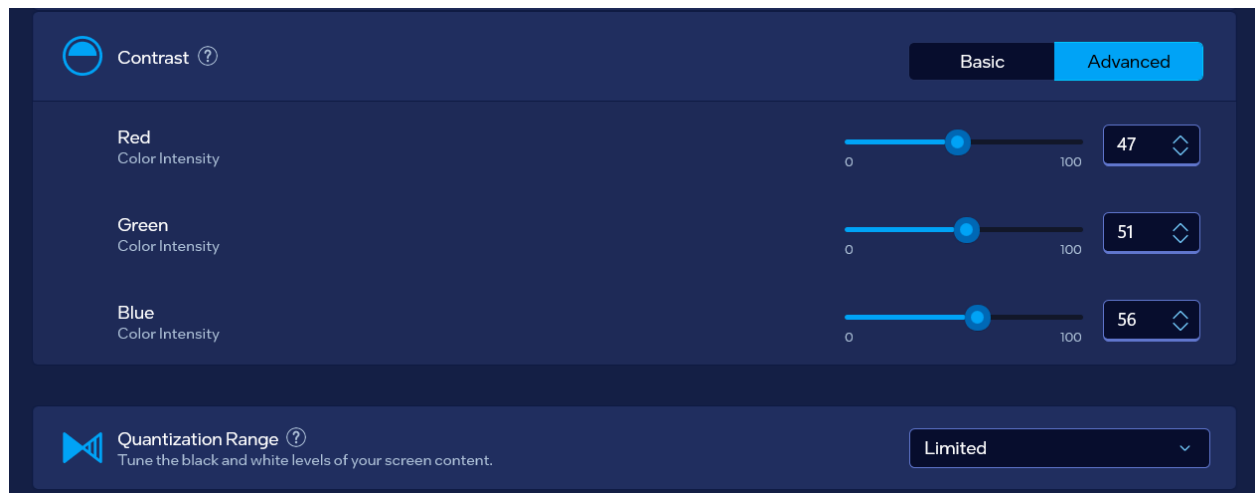
- For underworld codes which are maybe only for the environment around you: 43210567
- Life with begging: 56710234
- For 3D feeling for no reason: 22224411
- Fine for work: 75692320
- For shutting down the wrong things: 3210
- For turning on the thinking idea: 6543210
- For necessary: 43210
- Night light: Ban, fun, entertainment: 23153021
- Night light: Life: fdbacdaf
- No Exit: 0xaaaaaaaa0

Interesting undefined ideas for the 3DLUT settings are:

- cdafccfc
- 23153021
- bebeca
- cebebeca
- cacabeca
- ffffedca
- Complexed: decabeca

Intel Graphics Software













































































Post scriptum





































Here you can find my previous, not well made, settings of the address:





































- Computer\HKEY_CURRENT_USER\Software\Intel\Display\igfxcui\Media





































You can look at these images down below just for informational purposes...





































Name	Type	Data
 (Default)	REG_SZ	(value not set)
 AceLevel	REG_DWORD	0x92715432 (2456900658)
 EnableACE	REG_DWORD	0x92715432 (2456900658)
 EnableFMD	REG_DWORD	0x92715432 (2456900658)
 EnableIS	REG_DWORD	0x92715432 (2456900658)
 EnableNLAS	REG_DWORD	0x92715432 (2456900658)
 EnableSTE	REG_DWORD	0x92715432 (2456900658)
 EnableSuperResolution	REG_DWORD	0xdfcabcd9 (3756702937)
 EnableTCC	REG_DWORD	0x43bdcecf (1136512719)
 GCompMode	REG_DWORD	0x92715432 (2456900658)
 GExpMode	REG_DWORD	0x92715432 (2456900658)
 InputYUVRange	REG_DWORD	0xffffffff (4294967295)
 NLASLinearRegion	REG_DWORD	0xffffffff (4294967295)
 NLASNonLinearCrop	REG_DWORD	0x00000000 (0)
 NLASVerticalCrop	REG_DWORD	0x00000000 (0)
 NoiseReductionAutoDetectEnabledAlways	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEnableChroma	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEnabledAlways	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionFactor	REG_DWORD	0xffffffff (4294967295)
 ProcAmpApplyAlways	REG_DWORD	0xfafbdcf (4210810110)
 ProcAmpBrightness	REG_DWORD	0xfefefef (4277071599)
 ProcAmpContrast	REG_DWORD	0xfefefef (4277071599)
 ProcAmpHue	REG_DWORD	0xfefefef (4277071599)
 ProcAmpSaturation	REG_DWORD	0xfefefef (4277071599)
 SatFactorBlue	REG_DWORD	0x000000a0 (160)
 SatFactorCyan	REG_DWORD	0x000000a0 (160)
 SatFactorGreen	REG_DWORD	0x000000a0 (160)
 SatFactorMagenta	REG_DWORD	0x000000a0 (160)
 SatFactorRed	REG_DWORD	0x000000a0 (160)
 SatFactorYellow	REG_DWORD	0x000000a0 (160)
 SharpnessEnabledAlways	REG_DWORD	0x77777777 (2004318071)
 SharpnessFactor	REG_DWORD	0x123da230 (306029104)
 SkinTone	REG_DWORD	0xdc321043 (3694268483)
 SuperResolutionEnabled	REG_DWORD	0xf2da4fed (4074393581)
 SuperResolutionMode	REG_DWORD	0xfad0321 (4272751393)
 UISharpnessOptimalEnabledAlways	REG_DWORD	0xfadafdaf (4275764655)





































Name	Type	Data
 (Default)	REG_SZ	(value not set)
 AceLevel	REG_DWORD	0x92715432 (2456900658)
 EnableACE	REG_DWORD	0x92715432 (2456900658)
 EnableFMD	REG_DWORD	0x92715432 (2456900658)
 EnableIS	REG_DWORD	0x92715432 (2456900658)
 EnableNLAS	REG_DWORD	0x92715432 (2456900658)
 EnableSTE	REG_DWORD	0x92715432 (2456900658)
 EnableSuperResolution	REG_DWORD	0xdfcabcd9 (3756702937)
 EnableTCC	REG_DWORD	0x43bdcecf (1136512719)
 GCompMode	REG_DWORD	0x92715432 (2456900658)
 GExpMode	REG_DWORD	0x92715432 (2456900658)
 InputYUVRange	REG_DWORD	0xffffffff (4294967295)
 NLASHLinearRegion	REG_DWORD	0xffffffff (4294967295)
 NLASNonLinearCrop	REG_DWORD	0x00000000 (0)
 NLASVerticalCrop	REG_DWORD	0x00000000 (0)
 NoiseReductionAutoDetectEnabl...	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEnableChroma	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEnabledAlways	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionFactor	REG_DWORD	0xffffffff (4294967295)
 ProcAmpApplyAlways	REG_DWORD	0xfafbdcf (4210810110)
 ProcAmpBrightness	REG_DWORD	0xfefefef (4277071599)
 ProcAmpContrast	REG_DWORD	0xfefefef (4277071599)
 ProcAmpHue	REG_DWORD	0xfefefef (4277071599)
 ProcAmpSaturation	REG_DWORD	0xfefefef (4277071599)
 SatFactorBlue	REG_DWORD	0x000000a0 (160)
 SatFactorCyan	REG_DWORD	0x000000a0 (160)
 SatFactorGreen	REG_DWORD	0x000000a0 (160)
 SatFactorMagenta	REG_DWORD	0x000000a0 (160)
 SatFactorRed	REG_DWORD	0x000000a0 (160)
 SatFactorYellow	REG_DWORD	0x000000a0 (160)
 SharpnessEnabledAlways	REG_DWORD	0x77777777 (2004318071)
 SharpnessFactor	REG_DWORD	0x123da230 (306029104)
 SkinTone	REG_DWORD	0xdc321043 (3694268483)
 SuperResolutionEnabled	REG_DWORD	0xf2da4fed (4074393581)
 SuperResolutionMode	REG_DWORD	0xfead0321 (4272751393)
 UISharpnessOptimalEnabledAlwa...	REG_DWORD	0xfedafdaf (4275764655)





































Name	Type	Data
 (Default)	REG_SZ	(value not set)
 AceLevel	REG_DWORD	0x92715432 (2456900658)
 EnableACE	REG_DWORD	0x92715432 (2456900658)
 EnableFMD	REG_DWORD	0x92715432 (2456900658)
 EnableIS	REG_DWORD	0x92715432 (2456900658)
 EnableNLAS	REG_DWORD	0x92715432 (2456900658)
 EnableSTE	REG_DWORD	0x92715432 (2456900658)
 EnableSuperResolution	REG_DWORD	0xdfaebcd9 (3756702937)
 EnableTCC	REG_DWORD	0x43bdcecf (1136512719)
 GCompMode	REG_DWORD	0x92715432 (2456900658)
 GExpMode	REG_DWORD	0x92715432 (2456900658)
 InputYUVRange	REG_DWORD	0xffffffff (4294967295)
 NLASLinearRegion	REG_DWORD	0xffffffff (4294967295)
 NLASNonLinearCrop	REG_DWORD	0x00000000 (0)
 NLASVerticalCrop	REG_DWORD	0x00000000 (0)
 NoiseReductionAutoDetectEnabl...	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEnableChroma	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEnabledAlways	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionFactor	REG_DWORD	0xffffffff (4294967295)
 ProcAmpApplyAlways	REG_DWORD	0xfafbdcfe (4210810110)
 ProcAmpBrightness	REG_DWORD	0xfeeeeeef (4277071599)
 ProcAmpContrast	REG_DWORD	0xfeeeeeef (4277071599)
 ProcAmpHue	REG_DWORD	0xfeeeeeef (4277071599)
 ProcAmpSaturation	REG_DWORD	0xfeeeeeef (4277071599)
 SatFactorBlue	REG_DWORD	0x000000a0 (160)
 SatFactorCyan	REG_DWORD	0x000000a0 (160)
 SatFactorGreen	REG_DWORD	0x000000a0 (160)
 SatFactorMagenta	REG_DWORD	0x000000a0 (160)
 SatFactorRed	REG_DWORD	0x000000a0 (160)
 SatFactorYellow	REG_DWORD	0x000000a0 (160)
 SharpnessEnabledAlways	REG_DWORD	0x77777777 (2004318071)
 SharpnessFactor	REG_DWORD	0x123da230 (306029104)
 SkinTone	REG_DWORD	0xdc321043 (3694268483)
 SuperResolutionEnabled	REG_DWORD	0xf2da4fed (4074393581)
 SuperResolutionMode	REG_DWORD	0xfead0321 (4272751393)
 UISharpnessOptimalEnabledAlwa...	REG_DWORD	0xfedafdaf (4275764655)





































Name	Type	Data
 (Default)	REG_SZ	(value not set)
 AceLevel	REG_DWORD	0x43bdcecf (1136512719)
 EnableACE	REG_DWORD	0x43bdcecf (1136512719)
 EnableFMD	REG_DWORD	0x43bdcecf (1136512719)
 EnableIS	REG_DWORD	0x43bdcecf (1136512719)
 EnableNLAS	REG_DWORD	0x43bdcecf (1136512719)
 EnableSTE	REG_DWORD	0x43bdcecf (1136512719)
 EnableSuperResolution	REG_DWORD	0xdfeabcd9 (3756702937)
 EnableTCC	REG_DWORD	0x43bdcecf (1136512719)
 GCompMode	REG_DWORD	0x43bdcecf (1136512719)
 GExpMode	REG_DWORD	0xdfebdfeb (3756777451)
 InputYUVRange	REG_DWORD	0xffffffff (4294967295)
 NLASHLinearRegion	REG_DWORD	0xffffffff (4294967295)
 NLASNonLinearCrop	REG_DWORD	0x00000000 (0)
 NLASVerticalCrop	REG_DWORD	0x00000000 (0)
 NoiseReductionAutoDetectEnabl...	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEnableChroma	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEnabledAlways	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionFactor	REG_DWORD	0xffffffff (4294967295)
 ProcAmpApplyAlways	REG_DWORD	0xfafbdcfe (4210810110)
 ProcAmpBrightness	REG_DWORD	0xfeeeeeef (4277071599)
 ProcAmpContrast	REG_DWORD	0xfeeeeeef (4277071599)
 ProcAmpHue	REG_DWORD	0xfeeeeeef (4277071599)
 ProcAmpSaturation	REG_DWORD	0xfeeeeeef (4277071599)
 SatFactorBlue	REG_DWORD	0x000000a0 (160)
 SatFactorCyan	REG_DWORD	0x000000a0 (160)
 SatFactorGreen	REG_DWORD	0x000000a0 (160)
 SatFactorMagenta	REG_DWORD	0x000000a0 (160)
 SatFactorRed	REG_DWORD	0x000000a0 (160)
 SatFactorYellow	REG_DWORD	0x000000a0 (160)
 SharpnessEnabledAlways	REG_DWORD	0x77777777 (2004318071)
 SharpnessFactor	REG_DWORD	0x123da230 (306029104)
 SkinTone	REG_DWORD	0xfedc3217 (4275843607)
 SuperResolutionEnabled	REG_DWORD	0xf2da4fed (4074393581)
 SuperResolutionMode	REG_DWORD	0xfead0321 (4272751393)
 UISharpnessOptimalEnabledAlwa...	REG_DWORD	0xfedafdaf (4275764655)

Name	Type	Data
 (Default)	REG_SZ	(value not set)
 AceLevel	REG_DWORD	0xfcfcfcfc (4244438268)
 EnableACE	REG_DWORD	0xfcfcfcfc (4244438268)
 EnableFMD	REG_DWORD	0xfcfcfcfc (4244438268)
 EnableIS	REG_DWORD	0xfcfcfcfc (4244438268)
 EnableNLAS	REG_DWORD	0xfcfcfcfc (4244438268)
 EnableSTE	REG_DWORD	0xfcfcfcfc (4244438268)
 EnableSuperResolution	REG_DWORD	0xdfcabcd9 (3756702937)
 EnableTCC	REG_DWORD	0xfcfcfcfc (4244438268)
 GCompMode	REG_DWORD	0xc0000000 (3435973836)
 GExpMode	REG_DWORD	0xffffffff (4294967295)
 InputYUVRange	REG_DWORD	0xffffffff (4294967295)
 NLASLinearRegion	REG_DWORD	0xffffffff (4294967295)
 NLASNonLinearCrop	REG_DWORD	0x00000000 (0)
 NLASVerticalCrop	REG_DWORD	0x00000000 (0)
 NoiseReductionAutoDetectEnabl...	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEnableChroma	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEnabledAlways	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionFactor	REG_DWORD	0xffffffff (4294967295)
 ProcAmpApplyAlways	REG_DWORD	0xfafbdcf (4210810110)
 ProcAmpBrightness	REG_DWORD	0xfefefef (4277071599)
 ProcAmpContrast	REG_DWORD	0xfefefef (4277071599)
 ProcAmpHue	REG_DWORD	0xfefefef (4277071599)
 ProcAmpSaturation	REG_DWORD	0xfefefef (4277071599)
 SatFactorBlue	REG_DWORD	0x000000a0 (160)
 SatFactorCyan	REG_DWORD	0x000000a0 (160)
 SatFactorGreen	REG_DWORD	0x000000a0 (160)
 SatFactorMagenta	REG_DWORD	0x000000a0 (160)
 SatFactorRed	REG_DWORD	0x000000a0 (160)
 SatFactorYellow	REG_DWORD	0x000000a0 (160)
 SharpnessEnabledAlways	REG_DWORD	0x77777777 (2004318071)
 SharpnessFactor	REG_DWORD	0x123da230 (306029104)
 SkinTone	REG_DWORD	0xfedc3210 (4275843600)
 SuperResolutionEnabled	REG_DWORD	0xf2da4fed (4074393581)
 SuperResolutionMode	REG_DWORD	0xfead0321 (4272751393)
 UISharpnessOptimalEnabledAlwa...	REG_DWORD	0xfedafdaf (4275764655)

Name	Type	Data
 (Default)	REG_SZ	(value not set)
 AceLevel	REG_DWORD	0xacacacac (2896997548)
 EnableACE	REG_DWORD	0xacacacac (2896997548)
 EnableFMD	REG_DWORD	0xacacacac (2896997548)
 EnableIS	REG_DWORD	0xacacacac (2896997548)
 EnableNLAS	REG_DWORD	0xacacacac (2896997548)
 EnableSTE	REG_DWORD	0xacacacac (2896997548)
 EnableSuperResolution	REG_DWORD	0xdfcabcd9 (3756702937)
 EnableTCC	REG_DWORD	0xacacacac (2896997548)
 GCompMode	REG_DWORD	0xcccccccc (3435973836)
 GExpMode	REG_DWORD	0aaaaaaaa (2863311530)
 InputYUVRange	REG_DWORD	0xffffffff (4294967295)
 NLASLinearRegion	REG_DWORD	0xffffffff (4294967295)
 NLASNonLinearCrop	REG_DWORD	0x00000000 (0)
 NLASVerticalCrop	REG_DWORD	0x00000000 (0)
 NoiseReductionAutoDetectEnabl...	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEnableChroma	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEnabledAlways	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionFactor	REG_DWORD	0xffffffff (4294967295)
 ProcAmpApplyAlways	REG_DWORD	0xfafbdcf (4210810110)
 ProcAmpBrightness	REG_DWORD	0xfeeeeeef (4277071599)
 ProcAmpContrast	REG_DWORD	0xfeeeeeef (4277071599)
 ProcAmpHue	REG_DWORD	0xfeeeeeef (4277071599)
 ProcAmpSaturation	REG_DWORD	0xfeeeeeef (4277071599)
 SatFactorBlue	REG_DWORD	0x000000a0 (160)
 SatFactorCyan	REG_DWORD	0x000000a0 (160)
 SatFactorGreen	REG_DWORD	0x000000a0 (160)
 SatFactorMagenta	REG_DWORD	0x000000a0 (160)
 SatFactorRed	REG_DWORD	0x000000a0 (160)
 SatFactorYellow	REG_DWORD	0x000000a0 (160)
 SharpnessEnabledAlways	REG_DWORD	0x77777777 (2004318071)
 SharpnessFactor	REG_DWORD	0x123da230 (306029104)
 SkinTone	REG_DWORD	0xfedc3210 (4275843600)
 SuperResolutionEnabled	REG_DWORD	0xf2da4fed (4074393581)
 SuperResolutionMode	REG_DWORD	0xfead0321 (4272751393)
 UISharpnessOptimalEnabledAlwa...	REG_DWORD	0xfedafdaf (4275764655)

Name	Type	Data
 (Default)	REG_SZ	(value not set)
 AceLevel	REG_DWORD	0xececece (4008636142)
 EnableACE	REG_DWORD	0xfefefefe (4278124286)
 EnableFMD	REG_DWORD	0xfefefefe (4278124286)
 EnableIS	REG_DWORD	0xfefefefe (4278124286)
 EnableNLAS	REG_DWORD	0xfefefefe (4278124286)
 EnableSTE	REG_DWORD	0xfefefefe (4278124286)
 EnableSuperResolu...	REG_DWORD	0x12345678 (305419896)
 EnableTCC	REG_DWORD	0xfefefefe (4278124286)
 GCompMode	REG_DWORD	0xfefefefe (4278124286)
 GExpMode	REG_DWORD	0xfefefefe (4278124286)
 InputYUVRange	REG_DWORD	0xffffffff (4294967295)
 NLASHLinearRegion	REG_DWORD	0xffffffff (4294967295)
 NLASNonLinearCrop	REG_DWORD	0x00000000 (0)
 NLASVerticalCrop	REG_DWORD	0x00000000 (0)
 NoiseReductionAut...	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEna...	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionEna...	REG_DWORD	0xffffffff (4294967295)
 NoiseReductionFac...	REG_DWORD	0xffffffff (4294967295)
 ProcAmpApplyAlw...	REG_DWORD	0xfafbdce (4210810110)
 ProcAmpBrightness	REG_DWORD	0x22222222 (572662306)
 ProcAmpContrast	REG_DWORD	0xffffffff (4294967295)
 ProcAmpHue	REG_DWORD	0x33333333 (858993459)
 ProcAmpSaturation	REG_DWORD	0xececece (4008636142)
 SatFactorBlue	REG_DWORD	0x000000a0 (160)
 SatFactorCyan	REG_DWORD	0x000000a0 (160)
 SatFactorGreen	REG_DWORD	0x000000a0 (160)
 SatFactorMagenta	REG_DWORD	0x000000a0 (160)
 SatFactorRed	REG_DWORD	0x000000a0 (160)
 SatFactorYellow	REG_DWORD	0x000000a0 (160)
 SharpnessEnabled...	REG_DWORD	0x77777777 (2004318071)
 SharpnessFactor	REG_DWORD	0x123da230 (306029104)
 SkinTone	REG_DWORD	0xfedc3210 (4275843600)
 SuperResolutionEn...	REG_DWORD	0xdfceabfd (3754863613)
 SuperResolutionM...	REG_DWORD	0xfead0321 (4272751393)
 UISharpnessOptim...	REG_DWORD	0xfedafdaf (4275764655)

Name	Type	Data
 (Default)	RE...	(value not set)
 AceLevel	RE...	0xeeeeeeee (4008636142)
 EnableACE	RE...	0xfefefefe (4278124286)
 EnableFMD	RE...	0xfefefefe (4278124286)
 EnableIS	RE...	0xfefefefe (4278124286)
 EnableNLAS	RE...	0xfefefefe (4278124286)
 EnableSTE	RE...	0xfefefefe (4278124286)
 EnableSuperResolution	RE...	0x12345678 (305419896)
 EnableTCC	RE...	0xfefefefe (4278124286)
 GCompMode	RE...	0xfefefefe (4278124286)
 GExpMode	RE...	0xfefefefe (4278124286)
 InputYUVRange	RE...	0xffffffff (4294967295)
 NLASLinearRegion	RE...	0xffffffff (4294967295)
 NLASNonLinearCrop	RE...	0x00000000 (0)
 NLASVerticalCrop	RE...	0x00000000 (0)
 NoiseReductionAutoDetectEnabledAlways	RE...	0xffffffff (4294967295)
 NoiseReductionEnableChroma	RE...	0xffffffff (4294967295)
 NoiseReductionEnabledAlways	RE...	0xffffffff (4294967295)
 NoiseReductionFactor	RE...	0xffffffff (4294967295)
 ProcAmpApplyAlways	RE...	0xfafdbdfe (4210810110)
 ProcAmpBrightness	RE...	0x22222222 (572662306)
 ProcAmpContrast	RE...	0xffffffff (4294967295)
 ProcAmpHue	RE...	0x33333333 (858993459)
 ProcAmpSaturation	RE...	0xeeeeeeee (4008636142)
 SatFactorBlue	RE...	0x000000a0 (160)
 SatFactorCyan	RE...	0x000000a0 (160)
 SatFactorGreen	RE...	0x000000a0 (160)
 SatFactorMagenta	RE...	0x000000a0 (160)
 SatFactorRed	RE...	0x000000a0 (160)
 SatFactorYellow	RE...	0x000000a0 (160)
 SharpnessEnabledAlways	RE...	0x77777777 (2004318071)
 SharpnessFactor	RE...	0x123da230 (306029104)
 SkinTone	RE...	0xfedc3210 (4275843600)
 SuperResolutionEnabled	RE...	0xf6f5f4f3 (4143314163)
 SuperResolutionMode	RE...	0xfefefefe (4278124286)
 UISharpnessOptimalEnabledAlways	RE...	0xfedafdaf (4275764655)

Name	Type	Data
 (Default)	RE...	(value not set)
 AceLevel	RE...	0xfefefefe (4278124286)
 EnableACE	RE...	0xfefefefe (4278124286)
 EnableFMD	RE...	0xfefefefe (4278124286)
 EnableIS	RE...	0xfefefefe (4278124286)
 EnableNLAS	RE...	0xfefefefe (4278124286)
 EnableSTE	RE...	0xfefefefe (4278124286)
 EnableSuperResolution	RE...	0xfefefefe (4278124286)
 EnableTCC	RE...	0xfefefefe (4278124286)
 GCompMode	RE...	0xfefefefe (4278124286)
 GExpMode	RE...	0xfefefefe (4278124286)
 InputYUVRange	RE...	0xffffffff (4294967295)
 NLASHLinearRegion	RE...	0xffffffff (4294967295)
 NLASNonLinearCrop	RE...	0x00000000 (0)
 NLASVerticalCrop	RE...	0x00000000 (0)
 NoiseReductionAutoDetectEnabledAlways	RE...	0x00000001 (1)
 NoiseReductionEnableChroma	RE...	0x00000001 (1)
 NoiseReductionEnabledAlways	RE...	0x00000001 (1)
 NoiseReductionFactor	RE...	0xffffffff (4294967295)
 ProcAmpApplyAlways	RE...	0x00000000 (0)
 ProcAmpBrightness	RE...	0x00000000 (0)
 ProcAmpContrast	RE...	0x3f800000 (1065353216)
 ProcAmpHue	RE...	0x00000000 (0)
 ProcAmpSaturation	RE...	0x3f800000 (1065353216)
 SatFactorBlue	RE...	0x000000a0 (160)
 SatFactorCyan	RE...	0x000000a0 (160)
 SatFactorGreen	RE...	0x000000a0 (160)
 SatFactorMagenta	RE...	0x000000a0 (160)
 SatFactorRed	RE...	0x000000a0 (160)
 SatFactorYellow	RE...	0x000000a0 (160)
 SharpnessEnabledAlways	RE...	0x00000001 (1)
 SharpnessFactor	RE...	0x123da230 (306029104)
 SkinTone	RE...	0xfedc3210 (4275843600)
 SuperResolutionEnabled	RE...	0xf2da4fed (4074393581)
 SuperResolutionMode	RE...	0x324defdf (843968479)
 UISharpnessOptimalEnabledAlways	RE...	0x00000001 (1)

Special thanks

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