

How to increase VRAM in Windows 10

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1. 10 ways to improve computer performance

Method 1: Specify the VRAM capacity in the BIOS

The first method is to adjust the VRAM in the BIOS. Access the BIOS and search for an option in the menu called **Advanced Features** , **Advanced Chipset Features** or the like. Inside this menu, find **Graphics Settings** , **Video Settings** or **VGA Share Memory Size** .

1. Instructions for upgrading BIOS

These features have an option to adjust the amount of memory allocated to the GPU, which is usually **128MB** by default, try increasing this number to **256MB** or **512MB** if there's enough space. However, not all CPUs or BIOSes have this option.

Method 2: T for fake VRAM

Because most integrated graphics solutions automatically adjust to use the amount of system RAM it needs, the details reported in the **Adapter Properties** window are not really important. In fact, for integrated graphics, **Dedicated Video Memory** is completely "fictional". The system reports that fake values ??simply let the game see when checking how much VRAM is available.

1. Here's how to increase virtual memory capacity on Windows

Therefore, users can modify a Registry value to change the VRAM capacity that the system reports for games. This does not really increase VRAM, it only modifies the virtual value. If a game refuses to move because "there is not enough VRAM", increasing this value can fix that.

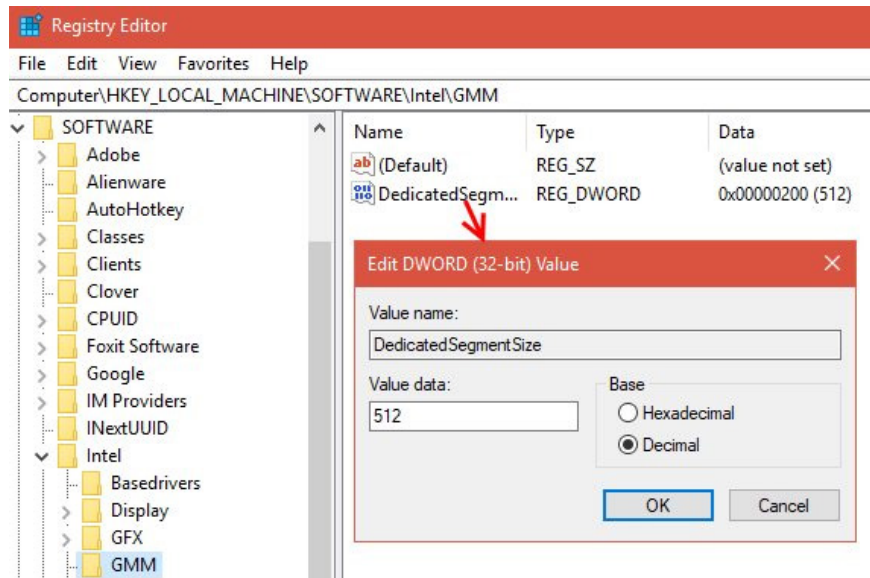
1. 50 Registry tricks to help you become a true Windows 7 / Vista "hacker" (Part 1)

Open the Registry Editor window by entering **regedit** into the Start menu.

Go to the following position:

HKEY_LOCAL_MACHINE\Software\Intel

Right-click on the **Intel** folder on the left bar and select **New > Key** , name **GMM** for this key. Then select the new **GMM** in the left pane, right-click on the right pane, select **New > DWORD (32-bit) Value** , name it **DedicatedSegmentSize** and give it a value, make sure to select the **Decimal** item. In MB, the minimum value is **0** (disable the entry) and the maximum value is **512** . Set this value, restart the computer.



These methods may not work, but they are still worth a try if there is a problem. Without a lot of system RAM and having trouble running games with integrated graphics, try adding some additional RAM for integrated graphics to use.

I wish you all success!

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