

Restoring VRAM on the Chuwi UBox with Ryzen 5 6600H / Radeon 660M

☀ Goal:

Restore the ability to modify VRAM in the BIOS (3 GB, 4 GB, etc.) after AMD Adrenalin software forced a locked value of 1 or 2 GB.

Video Guide: [Chuwi UBOX / Ryzen 5 6000 Series VRAM Problem](#)

Recommended to both read the guide and watch the video.

✅ DETAILED STEPS:

● 1. Uninstall AMD Adrenalin (if installed)

- Open **Settings > Apps > Installed Apps**
 - Remove **AMD Software** or also named **AMD Software: Adrenalin Edition**
 - Restart the PC from the Windows start menu (**NOT SHUTDOWN!!!**)
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⬇ 2. Download utilities and reboot in secure boot.

- Download [AMD Cleanup Utility](#).
 - Download [Display Driver Uninstaller \(DDU\)](#).
 - Press **Windows + R** > type msconfig
 - Go to the **Boot** tab > ☒ check **Safe Boot** (minimal) > **OK** > Restart
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◆ 3. Download utilities and reboot in secure boot.

- In Safe Mode, run: **amdcleanuputility.exe**
- Once AMD Cleanup Utility finishes, open the zip file with DDU and run the “DDU vXX.X.X.X.exe” (X being version number)
- This will let you chose where to extract the utility, pick the Downloads folder.
It will create a folder with the name of the exe, open this folder and run “Display Driver Uninstaller.exe”
- On first launch it will let you select the configuration of the uninstall, click **all checkmarks under AMD Specific Options** (Leave the others as is)

- Select device type (**GPU**) select device (**AMD**), click on “**Clean and restart**”.
 - Press **Windows + R** > type msconfig > click **Normal Startup** and uncheck **Safe Boot** > restart normally
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4. Reset BIOS via RESET Button (Clear CMOS)

- Turn off and unplug the mini PC
 - Insert a paperclip into the small hole marked **RESET (Model dependent, sometimes has no markings)** next to the **POWER** button. (**Do not confuse with the headphones/aux port!!!**)
 - Hold for 30 seconds
 - Plug the PC back in and start it
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5. Configure VRAM in BIOS

- Press **DEL** or **ESC** at boot to enter BIOS

Alternatively:

1. Press **Windows + R** > type cmd.exe > then press **Ctrl + Shift + Enter**
2. Then type in “shutdown /r /fw /t 0” (without quotation marks)
or
 1. You can enter bios by booting to Windows.
 2. Holding shift and clicking restart in the start menu.
 3. Click Troubleshoot > Advanced options > UEFI Firmware Settings

- Press **F9** to load default value > Confirm (Optional but recommended)
 - Go to **Advanced > UMA Frame Buffer Size**
 - Set to **3G** or **4G**
 - Save with **F10** > Confirm > Reboot
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6. Install AMD Driver without Adrenalin

- Download this driver: [Download Windows Drivers](#).
- Run setup and wait for the software to finish detecting the hardware.
- Click **Additional Options > Software Type > Minimal (Recommended) or Driver only**
EXPLICITLY NOT DEFAULT!!!
- Optionally disable data collection. > Accept & install.

◆ 7. Run AMD Install Manager to install Chipset drivers.

- Once we finished with the setup a new app can be found in the Start menu or in the search box called “**AMD Install Manager**”
 - Run this app, inside you will see Available Software, where it says Chipset Drivers click the download  button.
 - Once it finishes close the app.
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🏆 Expected Result

- VRAM is now controlled by the BIOS again
- Limited Adrenalin without locked profiles
- Clean and stable setup for the Radeon 660M iGPU

Final editor notes:

1. Removed the reg section due to the fact I didn't find the mentioned file, replaced with DDU which does a better job at cleanup.
2. Changed the driver install from (Driver Only) to (Minimal) due to exclusive app controls like Radeon features (Anti-Lag, Boost, Chill, Sharpening etc.), FreeSync, GPU Scaling, Color Setup, Custom Resolutions, AMD Noise Suppression etc. but the memory features are completely absent.
3. Extended the guide to include the Chipset drivers.