

Article Overview

Resolution changes on KVM switches are usually caused by EDID miscommunication, low-quality adapters, or incompatible refresh rates, and can often be fixed by adjusting display settings or using EDID emulators.

Common Causes

- o EDID (Extended Display Identification Data) Issues: KVM switches sometimes fail to pass the monitor's EDID to all connected computers, causing the system to default to a lower resolution like 1024x768 or 640x480 .
- o Adapter or Cable Quality: Using low-quality HDMI-to-VGA or DisplayPort adapters can limit the signal, reducing the maximum supported resolution .
- o Refresh Rate Limitations: Some monitors advertise high refresh rates only at lower resolutions. If the KVM cannot handle the full bandwidth, the resolution may drop .
- o Operating System Behavior: Windows, Linux, and macOS may revert to default resolutions when the KVM switch is toggled, especially if the OS detects a "new" display .

Troubleshooting Steps

- o Check Monitor Specs: Verify the supported resolutions and refresh rates in your monitor's manual to ensure the KVM can handle them .
- o Use High-Quality Adapters and Cables: Ensure all adapters meet the required specifications for your resolution and refresh rate .
- o Adjust Display Settings:
 - o Windows: Right-click the desktop -> Display Settings -> Advanced Display Settings -> select the correct resolution and refresh rate .
 - o Mac: System Preferences -> Displays -> hold Option and click "Scaled" to see all available resolutions .
 - o Linux: Use xrandr to list and set supported resolutions when connected through the KVM .
- o EDID Emulators: Devices that store the monitor's EDID can prevent resolution drops by ensuring each computer always detects the correct display capabilities .
- o Reboot or Reconnect: Sometimes switching back and forth or unplugging/replugging the monitor cable restores the correct resolution .

Additional Tips

- o If using multiple devices with different native resolutions, consider a KVM that supports EDID pass-through or dynamic resolution switching.
- o Avoid mixing analog (VGA) and digital (HDMI/DP) connections if possible, as this can exacerbate resolution issues .

Resolution after KVM switcher

o Keep your KVM firmware updated if supported, as some resolution issues are fixed in newer firmware versions. By following these steps, most KVM-related resolution changes can be resolved, ensuring consistent display quality across all connected devices.

Sounds like the monitor EDID settings (what resolutions/refresh rates it supports) are not getting to Ubuntu when it's

Switching among your work, personal, and gaming PCs can be a slog. With a KVM switch, you can press a button

Trying to setup a dual monitor environment with one monitor running through a KVM Switch. The first monitor gets detected just fine

Hi, Hoping to find some help with my pc setup, I've recently changed docking station to a KVM Switch but I'm having a

Looking for a monitor with a built-in KVM switch? Check out the best models currently available and everything you

Use short, certified cables with good shielding to minimize signal degradation. Avoid passive or unpowered switches

The Display Data Channel (DDC) communication from each connected computer can be disrupted when the focus of a KVM switch

Hi! I was normally using my KVM switch (U Green VGA KVM Switch) to install a new build and then the video

LinuxQuestions.org > Forums > Linux Forums > Linux - Newbie Setting desktop resolution when using KVM Linux -

However, when using a KVM switch, you may encounter some common issues. We will now introduce some of these

Just bought a KVM switch for me to easily switch between my work laptop and my personal desktop. Problem is, the

Issue persists. I'm wondering why increasing the resolution causes my monitor to display "no signal", is this a

Resolution after KVM switcher

Probably an easy question I have a KVM switch so I can work on my server AND my gaming machine. I assume

Quick fixes for KVM switch monitor not working. Learn how to resolve common monitor issues including detection

I added a KVM switch to control two PCs. As soon as I boot up when the KVM switch is attached, the resolution

Bandwidth Limitations: If your KVM switch doesn't have enough bandwidth to support your monitor's resolution and

Web: <https://morwarreconst.co.za>

