

[UNUNDERSTANDING ERROR] Computer is Out of range and effective solutions

You are experimenting with your computer and suddenly encounter the message 'Out of range'? Don't worry too much, TipsMake will help you fix it

You are experimenting with your computer and suddenly encounter the message 'Out of range'? Don't worry too much, TipsMake will help you fix the computer out of range error quickly.

When experiencing computers, users may encounter problems that 'fall from the sky' and don't know what the error is or how to fix it. Especially for those of you who have just used this device. **TipsMake** has also mentioned many common computer errors in previous articles. Today, let's discuss with the admin about the problem of **the computer being out of range** - a situation that causes many people headaches. Everything from the cause to the solution is detailed in the article.





Details on how to handle when the computer is Out of range

'input signal out of range change settings to 1366×768-60hz', 'input signal out of range change settings to 1280×1024-60hz'... These may be the messages you encounter when your computer has a problem Out of range. **So what is Out of Range?**

The 'Out of Range' error means that the resolution output by your computer is not compatible with the monitor. Simply put, the resolution of your monitor is higher than what the monitor can display. For example, the screen resolution is 1080×1920 but the video card can reach 2460×1440. If you set the resolution to a high level, you will encounter this error. In addition to the cause of increasing the resolution too high, some of the following 'culprits' also cause the Out of range problem:

1. *Set the refresh rate to higher than what your monitor supports.*
2. *The video card you are using is not compatible with the monitor.*

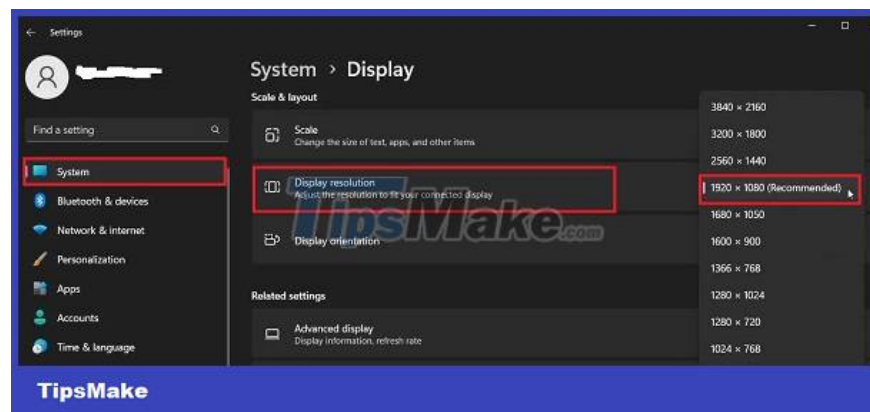
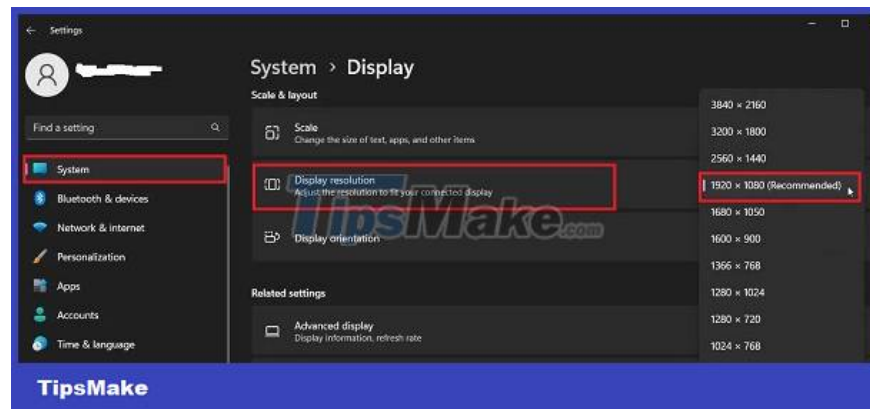
The following are solutions to help you fix the Out of range black screen situation.

1/ Change screen resolution settings

The best and most effective fix for out of range error in Windows 10 is to change the resolution settings to suit the device. Specifically, if you encounter detailed messages '*Fix error out of range, input signal out of range change settings to 1600×900-60hz*', '*Input signal Out of Range change settings to 1680×1050 60hz*'. Please Set the resolution down to the level suggested by the error message.

Or if it's unclear, users can set the resolution that Windows recommends. The detailed way to do it on Windows 11 is:

1. **Step 1** : Press the key combination **Windows + I** > Click the **System** tab > Select **Display** from the list on the left.
2. **Step 2** : Scroll down to the **Scale & layout** section > Click on the drop-down menu of the **Display resolution** line > Tick the resolution labeled **Recommended** .

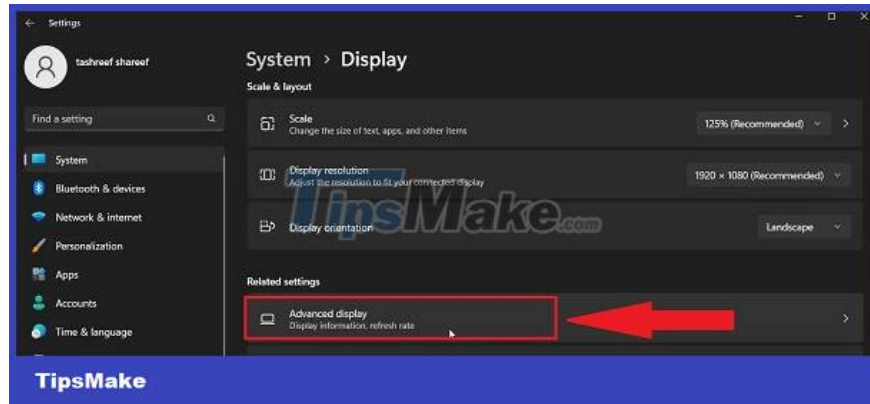
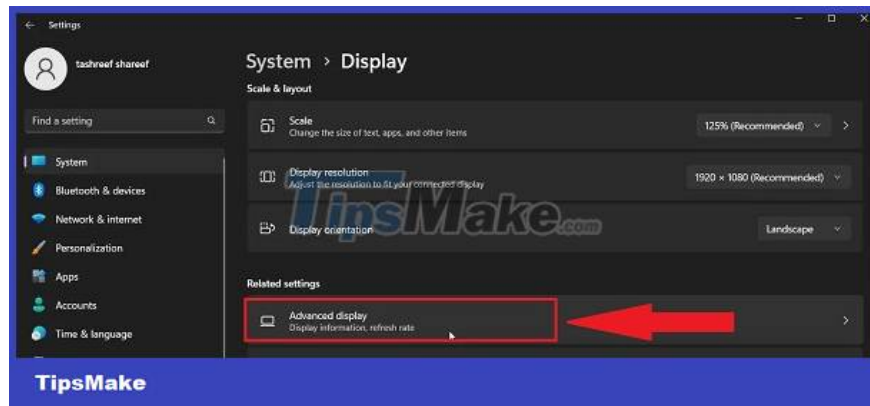


For Windows 10, go to **Windows + I** > **System** > **Display** > **Display resolution** > Select the resolution labeled **Recommended** .

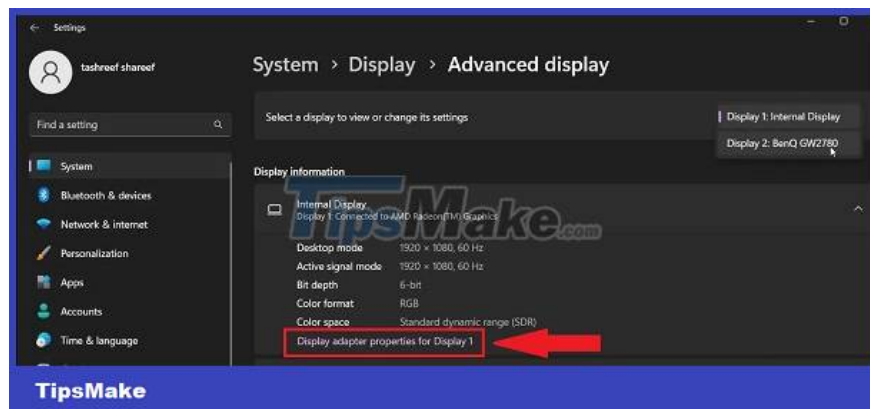
2/ Lower the refresh rate of your screen

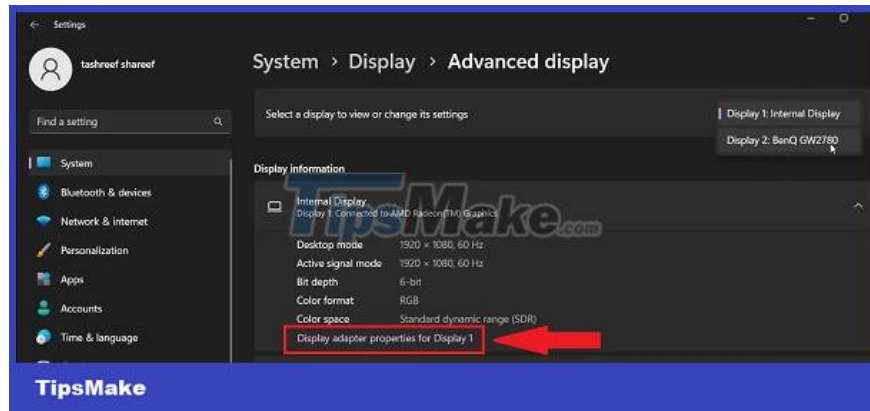
As I shared, setting the refresh rate too high is also one of the reasons causing the out of range error. So, reducing the refresh rate is the way for you to overcome this situation. (Admin instructions on Windows 11, for Windows 10 you do the same but there may be some differences).

1. **Step 1** : Users open Settings by pressing **Windows + I** > Select **System** > **Display** > Find **Related settings** > Click **Advanced display** .

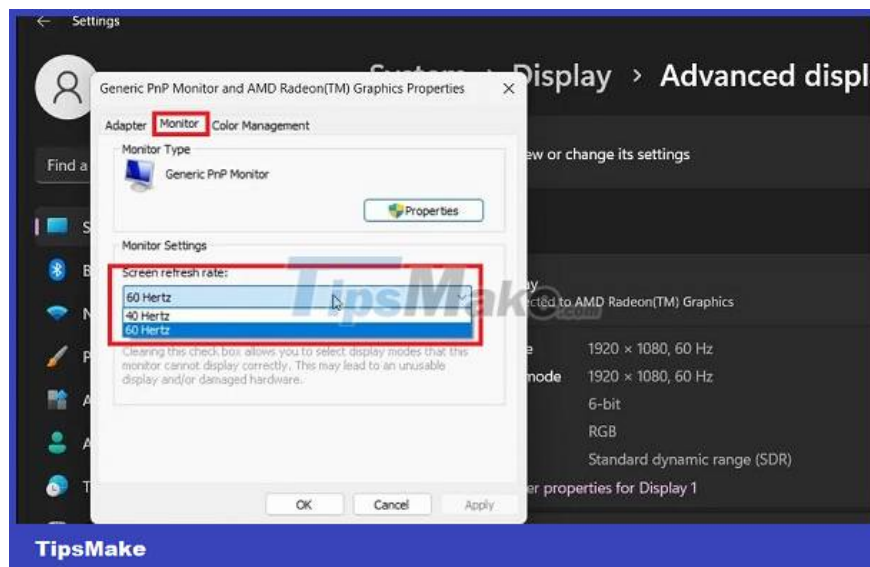
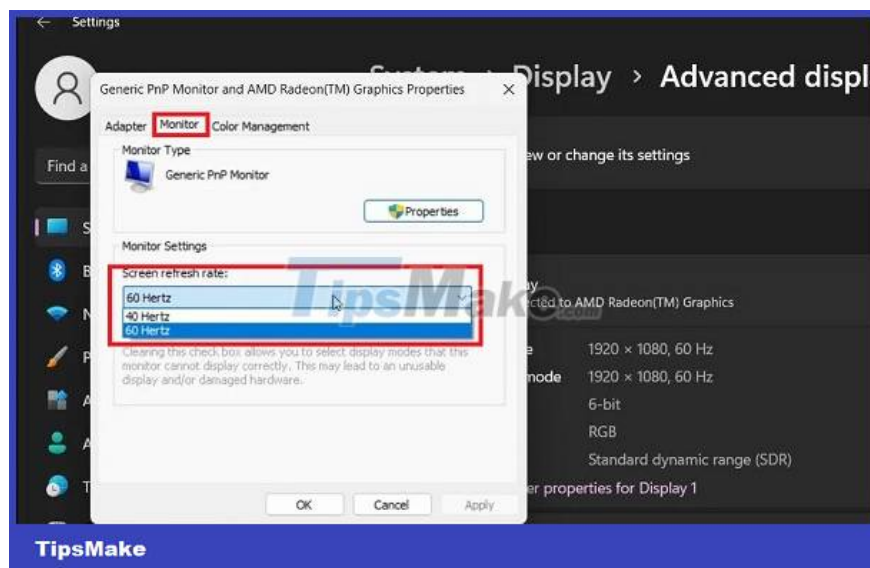


1. **Step 2** : Click on the line '**Select a display to view or change its settings**' > Select the screen you want to set up. If there is only one screen, skip this step.
2. **Step 3** : In **Display information** > Click **Display adapter properties for Display X** (X value varies according to your computer).





1. **Step 4** : When the new window displays, click on the **Monitor** tab > Click the drop-down arrow of **Screen refresh rate** > Select **60 Hertz** > Click **Apply** > Click **OK** to save.



Above are some ways to fix the problem of Computer being Out of range. If that doesn't work, try updating the graphics card driver, make sure the separate monitor is connected properly, and restart the computer to see if it helps!

You finished reading the article "[UNUNDERSTANDING ERROR] Computer is Out of range and effective solutions" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.