

Laptop screen won't turn on - Cause & fix

Is your laptop having an error where the screen doesn't turn on? Turn on the computer but the screen doesn't turn on? Let's find out the causes and how to fix when the Laptop screen won't turn on in this article!

In this article, TipsMake shares with you how to fix the error of the laptop not turning on the screen, the computer running but the screen not turning on.



I. Reasons why the laptop screen does not turn on

Most popular laptops on the market today are equipped with accompanying screens. The screen that comes with the laptop is attached to the product and can be folded or opened depending on different needs during use. However, the screen that comes with a laptop is often quite sensitive and often has errors, causing many people to feel annoyed during use. One of the common errors on Laptop screens we can mention is, the Laptop does not turn on the screen. So why is the screen not displayed when starting the Laptop? Below are the basic causes.

1. Laptop screen is broken, burned or the backlight is broken
2. Laptop computer with broken video card
3. The signal cable from the camera body to the screen is malfunctioning
4. Loss of output signal

Among the above causes, the most common cause of laptop computer signal cable damage is because when we fold/close the screen, the screen cable will work together. Because of the high intensity and continuous operation, display cables often fail, leaving many people helpless. However, the most common error is that the signal wire slips or the screen cable breaks, so the cost of replacement and repair is not high.



For more complex errors such as broken Laptop screen, burnt backlight or broken Laptop video card, the replacement and repair costs are relatively high for all Laptop lines. Laptop screens are usually worth about 20% of the total laptop value.

In addition to the above causes, we also have a number of external causes such as: Falling, folding the screen too much, the screen being impacted during movement. External factors are also the reasons. causes your Laptop to boot but not display the image, the screen is black and not displayed.

II. How to fix laptop screen not turning on error

When encountering a Laptop screen error that won't turn on, many people are often very worried and look for a quick fix. However, if you have a problem with your Laptop screen, you need to be really calm to be able to fix it in the best and most accurate way.

1. Restart the Laptop



When encountering any problem on an electromagnetic device, the first thing we need to do is restart the device to check. The same goes for Laptops, if you are having problems with the display screen error, black screen, screen not turning on. then try restarting the Laptop one to several times to see if it can be fixed. Are not. However, between restarts you need to have a rest period for the components to discharge all the current in the electronic components.

In addition to restarting the Laptop, you should also try changing between the battery power source and the power source directly on the Laptop to solve the problem of the screen not turning on quickly.

2. Check the Laptop screen cable



The Laptop screen cable is hidden deep under the screen hinge, but we can also check it manually. However, this method is not very accurate, but you should still try it and maybe you can fix the problem you are having.

Step 1 : Fold the Laptop screen down to close it.

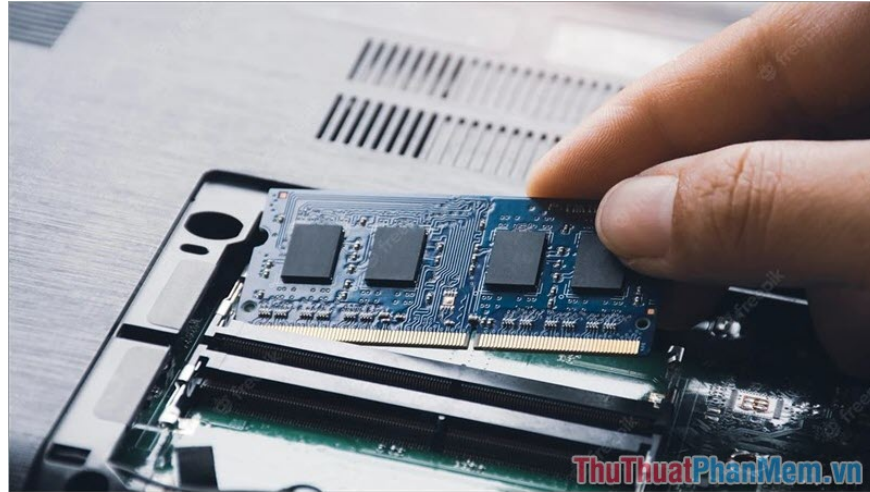
Step 2 : Open each screen corner from 15 degrees (5 degrees each time) and turn on the power to test.

Or you can also turn on the power and fold the screen in many different opening angles to check the screen signal.

Step 3 : If at a certain screen opening angle your screen has a signal again, it means your computer has a screen cable problem.

This test is used by many Macbook users because Macbook Laptops often have screen cable problems. Some open corners on the Macbook will display images, but some corners have no signal and the screen is black. When you determine the problem comes from the screen cable, go to the store so they can help repair, check, clean and fix the error.

3. Check the video card, output images on the Laptop



The video card is the component responsible for outputting images on the laptop. If the video card operates stably, the screen will have good output signals and process information accurately. However, the video card continuously operates at high intensity, so errors are unavoidable. If you want to check video card errors, you need an additional monitor (can use TV screen, desktop computer.).

Step 1 : Turn off the Laptop.

Step 2 : Connect the HDMI/DisplayPort signal cable. to the connection port between the Laptop and the separate screen.

Step 3 : Start the Laptop.

If your separate screen still has a signal, it means the video card on your Laptop is still working effectively, the error may lie in the screen or other components.

In the case of connecting a separate screen and the Laptop still cannot output images, or the separate screen still has no signal, it means that your Laptop has a problem with the video card and needs repair.

4. Use direct power source

Many times, the battery on your Laptop has been used for a long time, is worn out or the discharge circuit is faulty, leading to not providing enough power for the device to use. In this case, you need to use power directly from the charger to ensure stability during use. Using a direct power source helps the device have enough current and enough capacity to maintain the operation of components as well as the screen.

Try using power directly from the charger and restart the Laptop to check the connection signal between components. If this method helps you solve the error, you can determine that the temporary cause is the battery and you need to replace a new battery capable of providing power to the laptop you are using.

5. Check RAM on Laptop

On Laptops, RAM is often a separate component and is less stable than components soldered directly on the board. If the RAM is loose, your laptop cannot boot or display the screen when turned on. However, with RAM errors, you need to have experience with hardware to be able to check at home.

Step 1 : Open the back cover, the back of the Laptop.

Step 2 : Find the location of the RAM slot, remove the RAM bar from the motherboard.

Step 3 : Clean the contact pins on the RAM stick, clean the RAM slot dust.

Step 4 : Reinstall the RAM on the motherboard.

Step 5 : Restart the Laptop to check.

6. High voltage screen error is broken

The high voltage on the Laptop screen is responsible for providing energy to the light bulb that illuminates the backlight, from which the new image can be displayed on the screen. If when you turn on the Laptop, you can still hear the sound of the fan running, and still see other components operating normally but the screen is not displayed, then it is likely that the high-pressure light and backlight on the screen are broken and directly affecting the laptop. Next comes the export part.

For high voltage errors on the Laptop screen, you must ask a warranty center/repair shop to fix this problem.

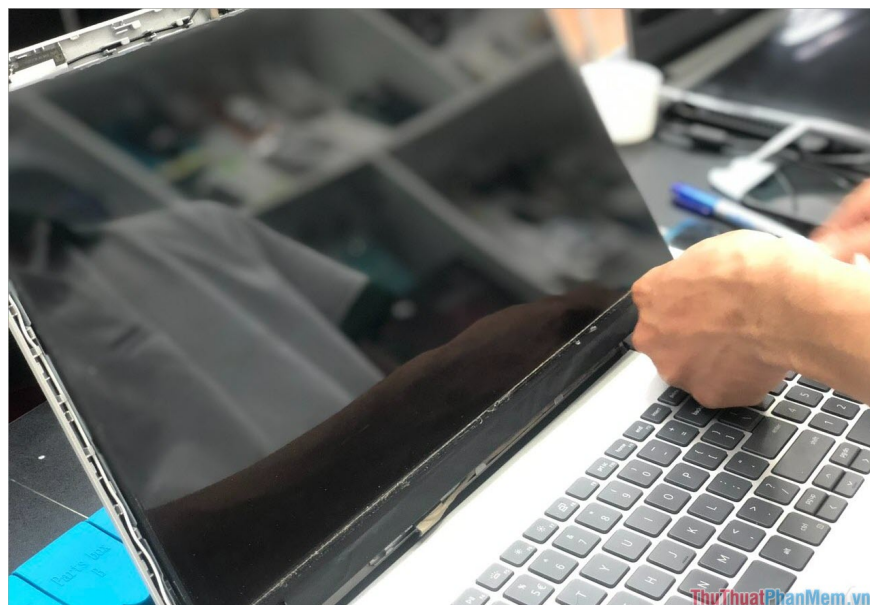
7. Check the Laptop's BIOS

Having problems with the BIOS on a Laptop is also the reason why the hardware on the computer cannot function. When a laptop has a BIOS error, users will often encounter black screen problems when starting up. If BIOS errors on Laptops are minor, you can handle them yourself at home and if serious, you need to take them to repair centers for the best support. To quickly handle BIOS errors on Laptops, do the following:

Step 1 : Remove the cover/back of the Laptop.

Step 2 : Find the location of the BIOS chipset on the motherboard.

Step 3 : Check or replace the BIOS battery and check the BIOS chip on the motherboard.



8. Thanks to the support of the repair and warranty center

In case you cannot handle the Laptop error at home, you need the support of a warranty center or repair center for help. For repair centers, they have specialized equipment to check the screen, motherboard as well as other related devices on the Laptop, thereby drawing conclusions and the most appropriate treatment.

In this article, TipsMake has shared with you the causes and how to fix the error of Laptop screen not turning on. Have a nice day!

You finished reading the article "**Laptop screen won't turn on - Cause & fix**" 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.