

5 ways to cool down, cool, laptop radiator simple and effective

With this laptop heat sink you can apply for laptop cooling, desktop cooling is quite effective. If the computer, laptop is hot, please see immediately.

Hot laptop conditions are not uncommon, especially summer days become extreme with high-performance computers. Restricting the condition of the heater will avoid chip failure, CPU damage, partially extending the life of the laptop.

In the following article, we will show you how to cool your computer, which can be used to cool your laptop, desktop cooling is quite effective. They are extremely simple, effective and do not affect computers. If your computer, your laptop is hot, check it out right away.

How to effectively dissipate laptop heat

1. Change settings on Windows to cool your computer
 1. Enable self-cooling
 2. Save power for CPU, graphics, wireless cards, .
2. Keep the laptop on a table or in a well-ventilated place
3. Clean cooling fan and heat sink slot
4. Thermal grease
5. Use heat sinks for laptops
6. Check the software running on the laptop
7. Intervention from BIOS
8. Change the fan speed
9. Other laptop cooling tips

Change settings on Windows to cool your computer

First you need to access **Windows Power Manager** to edit settings and follow these instructions:

Step 1: Activate the battery icon under the toolbar and select **Power Options** .

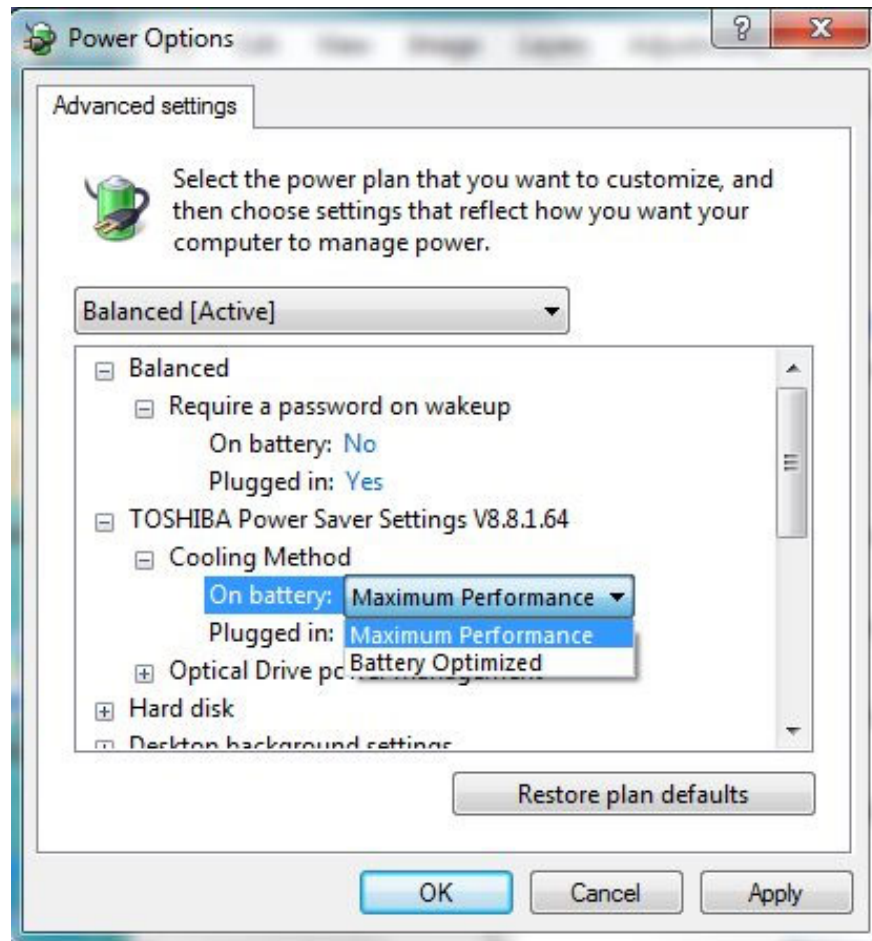
Step 2: Select **Change plan settings** .

Step 3: Continue to choose **Change advanced power settings** to edit settings.

Here you can proceed to change the following settings:

Enable self-cooling

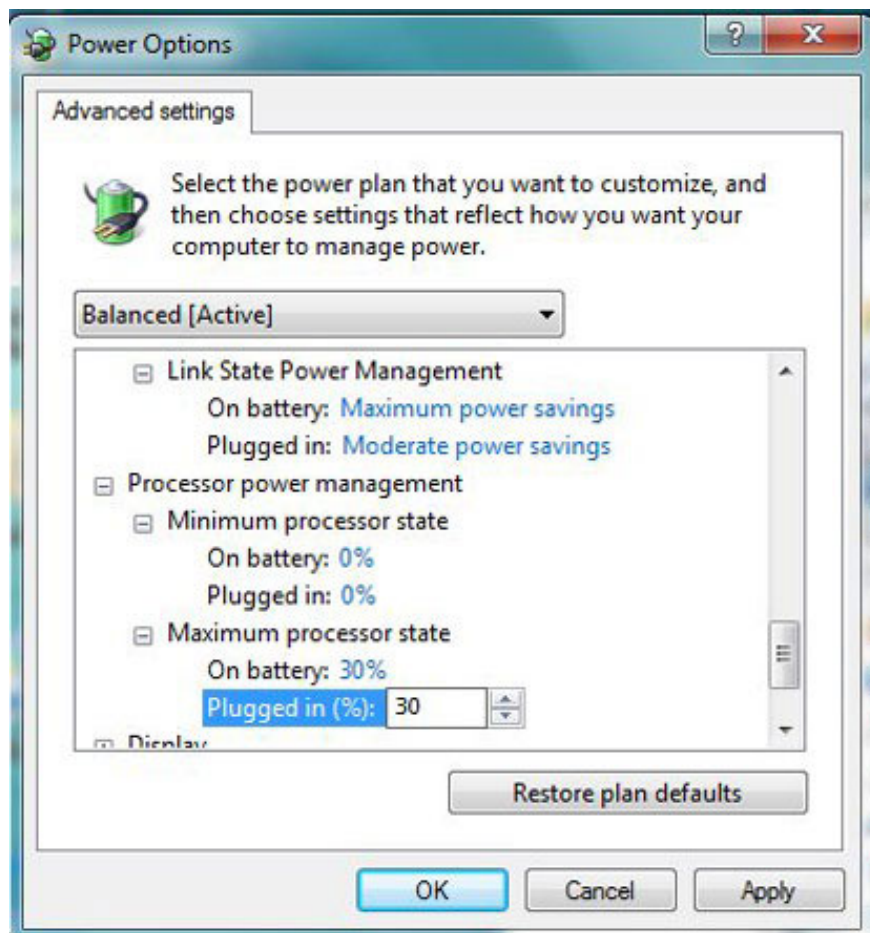
Always make sure your computer has activated the highest cooling level, keeping the fan fan strong and longer. Depending on some computers, the various activation options menu, such as "active cooling", "maximum performance "or" maximum battery life " .



Save power for CPU, graphics, wireless cards, .

It is understandable that the more power the computer consumes, the hotter it will be. So why not try to activate some options on your computer in low battery mode to reduce the heat during use.

1. **Wireless Adapter Settings** : Maximum Power Saving
2. **Link State Power Management** : Maximum power savings
3. **Graphics Power Plan** : Maximum Battery life or the equivalent, option to use computer graphics card to use
4. **PCI Express selects Link State Power Management** : Maximum power savings
5. **Processor power management select Maximum processor state** : set 30% mode. You need to consider when editing this setting because it will significantly reduce CPU performance.



Keep the laptop on a table or in a well-ventilated place

The vents are located on the underside of the computer, absolutely do not let the laptop on the thighs avoid obstructing the work of the vents. Or leave your computer in areas where the fabric surface is also causing the computer to heat up quickly. It is best to leave the computer on your desk and create plenty of space around it.

In the winter, you usually place your laptop on a cushion, which not only prevents the laptop from draining heat, but also causes the cotton, fabric fibers to get caught up in the slot, the fan radiator. Buy a laptop table, dedicated laptop rack if you need to work on the bed.

Clean cooling fan and heat sink slot

Fans play a very important role in cooling laptops. Therefore, you should check the fan regularly to see if it is dusty, causing it to jam or reduce the rotation speed. Checking the cooling fan on the laptop is more complicated on the PC because the fan is usually installed deep inside the machine. You can remove the laptop stand for quick inspection, if dust is detected, you can use a dedicated cleaning kit to clean. If you do not dare to do this yourself, it is recommended that you bring your laptop to clean periodically, once every 1-2 years (depending on the laptop environment, if too much dust, cleaning the computer should be proceed more often).

Also, pay attention to the radiator slots, usually located next to the laptop, you should limit to prevent the barrier of these slots to help the air circulation process unimpeded. This is one of the things you should not do when using a computer, so be careful. There are a number of series of radiator slots at the bottom, in this case you should use the heat sink to make the heat dissipation process better.

Thermal grease

In the process of cleaning your laptop, look for more heat sink glue. Heat sink has a very important role in laptop cooling system. If you do not know much about thermal glue, please refer to the article about thermal glue on TipsMake.com as well as instructions for using very good heat dissipation glue.

Use heat sinks for laptops

As mentioned, some laptops have heat sinks on the bottom, if they are listed on a regular wooden table, the heat dissipation efficiency will not be high. If you use a heat sink, it will create space between the desk and the bottom of the laptop, making the air flow better and thereby reducing the heat for the laptop.

Check the software running on the laptop

If the hardware issues are objectively met, but the laptop is still hot, think about the software problem. Sometimes due to two conflicting software, the software crashed, hung, consumed a lot of resources, causing the laptop to heat up. Open Task Manager, check once, which software is consuming too much RAM, the CPU will turn off or at least restart it.

Another possibility is that the laptop has been infected with a virus. These viruses use too much of the machine's resources, also causing the machine to heat up. Please use antivirus software to check it.

Intervention from BIOS

Some dedicated laptops support reducing the pulse right in the laptop's BIOS to cool the chip, Intel also has the technology to adjust clock speeds according to the need to keep the machine running cool and less power-hungry such as Dynamic Acceleration Technology (DAT), Enhanced Intel SpeedStep Technology (EIST) or Intel Turbo Boost, AMD also has similar solutions.

| CPU Feature | |
|---------------------------|-------------|
| EIST Function | Native Mode |
| Limit CPUID MaxVal | Disabled |
| C1E Function | Disabled |
| Execute Disable Bit | Enabled |
| Virtualization Technology | Enabled |
| Frequency Unlimit | Disabled |
| Core Multi-Processing | Enabled |
| Cold Bug Boot Fix | Disabled |

However, there are almost no customizations in the BIOS of laptops, most of them are set up automatically and are less likely to be manually intervened in the BIOS, except for some specially designed models.

Advantages: The **point** of this method is the built-in CPU and the driver is completely automated, so we do not need manual intervention.

Disadvantages: This technology is only available on certain CPUs, but it doesn't always work as well as the manufacturer's winged marketing words.

Change the fan speed

The final solution is to change the fan speed settings on the laptop. If you need to use this way, please refer to the computer fan speed control guide of TipsMake.com.

Other laptop cooling tips

When you have fully charged the battery or do not have a need to use it, you should unplug the battery charger from the computer, which is a way to limit the heater.

Using a computer in low-temperature environments or using air conditioning is also a way to make your beloved laptop not get too much heat.

If you use all of the tips on your laptop that are still too hot, think about bringing it under warranty to check if other hardware devices are in trouble, do not immerse it in a good basin. Apply ice to cool.

Refer to the following article:

1. 9 simple and cheap ways to upgrade your computer
1. What to do when the computer is inactive
1. How to fix a computer or hang

I wish you all success!

>> 13 ways to protect laptops that everyone needs to know

You finished reading the article "**5 ways to cool down, cool, laptop radiator simple and effective**" 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.

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