

# Why restart the router can fix many problems?

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## A router is a computer

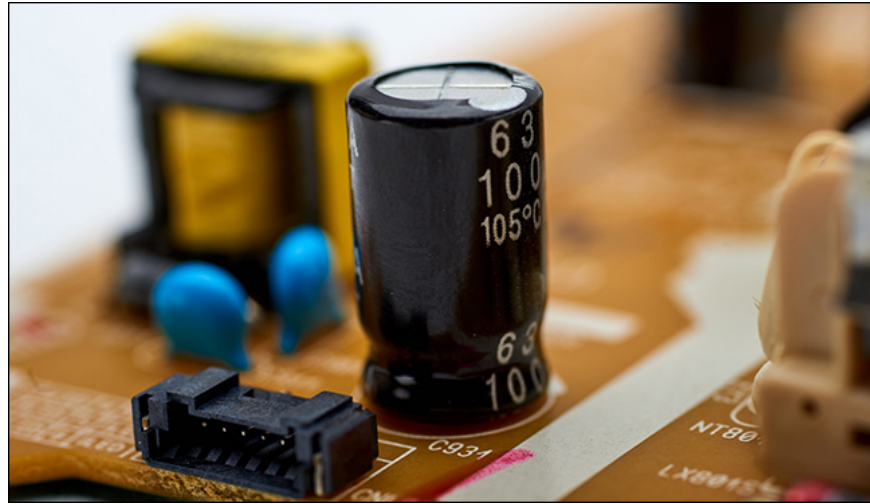
Many people may not think about it this way, but the router is a computer. Inside this plastic box is a CPU, memory and local storage, all running an operating system. And like computers, problems can occur over time using memory leaks, CPU overheating, etc.

1. 5 ways to cool down, cool, laptop radiator simple and effective

So what is the simplest fix for these types of computer problems? Turn it off and turn it on again. Your router is similar. Like on a computer, you don't really solve the problem that is causing the router problem, but may allow the router to run properly again. This does not fix system problems, but it often resolves all issues in a short time

## Do you really need to wait for 10 seconds?

Why do you need to unplug in 10 or 30 seconds? Have you ever plugged in a device just to see the power indicator light on for a few seconds? There is a reason for this and it relates to the answer to the above question. Most electronic devices use capacitors, which are basically small batteries. You may have seen them before if you ever removed a computer or device.



They don't store a lot of energy, but sometimes it's just enough to keep a memory chip running for several seconds. Wait 10 seconds to ensure all capacitors are used up and therefore every bit of memory will be erased. This ensures that all settings on the router will be reset.

There are many reasons why routers need to be reset. Not all of these issues require waiting for 10 seconds, which is why some problems can be resolved without waiting. However, if you're fixing a new problem, waiting 10 seconds can make the difference between being able to fix the problem or not.

## Cause problem for router

Like any hardware, there are many causes of router problems and need to restart. Here are some potential causes:

1. **Common crash issues:** As a computer, the router may crash because of a bug in the firmware that "eats" too much memory or causes a kernel panic error.
2. **IP address conflicts :** Routers manage both private and public IP addresses and sometimes it may conflict. If two devices on the network have the same IP address or if the router does not update the public IP address, it will not connect. Restarting the router resets this IP address assignment so everything can work again.

See also: Instructions on how to determine the IP address on the computer

1. **Overheating:** Like any computer, the router may overheat, especially if you leave it in an enclosed space.

There are many problems that cause problems for routers, but these are the most common causes. Read the article [Some solutions to troubleshoot new Wi-Fi reset router problems can be found on the network for some ways to fix router errors.](#)

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