

Restart the router and modem properly?

Restarting network devices in the correct steps can make a difference.

The simplest and most commonly used fix is ??to reboot, no matter what it is, if something goes wrong. Windows encountered an error? Restart. Phone not connected to WiFi? Restart. Although it doesn't fix everything, sometimes it's also useful.

The same with a modem (whether cable, DSL, satellite or fiber) or router (router). But if you don't reboot properly, you may lose your life, sometimes worse than the problem.

1. Why should you restart the router regularly?
2. Why restart the router can fix many problems?

How to restart the modem and router

Note: The steps below are to reboot, not to reset the device. To know how different Reboot and Reset are, read another article that the Network Administrator introduced.

Step 1: Unplug the router and modem plug.

Do not use the button that says Reset or Restart because they will usually start the recovery / reset process that was warned above. You can use the power button to turn it off but unplugging it is simpler.

If there are other managed network devices, such as network switches, remember to unplug them. But for unmanaged devices, just plug in the wires, but see if they are the cause of the problem you're having.

Step 2: Wait 30 seconds

This step may not be necessary if you know exactly what the problem is, but usually you only reboot when you don't know where the problem is. Wait for the device to rest, let the ISP, computer, device know that you are offline.

1. Explain the rule 30-30-30 when hard reset the router

Step 3: Plug in the modem cord again

Remember to just plug in the modem cord. If a few seconds have not turned on, try using the power button to turn it on. If you use a cable network, the modem is the device that directly connects your network to your home.



Modem is a device directly connected to your home

Step 4: Wait at least 60 seconds

This waiting is very important but often overlooked. The modem needs time to authenticate the ISP and get the specified public IP address.

Modems are different but mostly will have 4 lights: power lamp, receiver light, light and operation light. In the meantime, make sure the first 3 lights are on, indicating the modem has received power.

Step 5: Plug in the router again

Just like when plugging the modem in step 3, sometimes you will need to press the power button. If using a modem-router combination, skip this step and the next step. Software in the device will automatically turn on in the correct order.

To know where your router is, notice that the router is usually connected directly to the modem, so the device next to it will be the router you need. Not all routers have antennas, but many will be available, so if you don't know, try to see if any have an antenna.

Step 6: Wait at least 2 minutes

This is the time for the router to retrieve backups, computers, phones and other 'downstream' devices using the network will have time to retrieve the new DHCP service's private IP address on the router.

If you have turned off the power from switching devices or other network devices, now is the time to turn it on again. Please wait a few minutes. If there are multiple devices, be sure to get an external power supply (based on the network map).

Step 7: Now the router and modem are rebooted properly. Try checking if the problem has been fixed.

Although there is no need to reboot your computer or other wireless devices, you should probably do it now, especially if some have networks and some do not. As with the router and modem, remember to reboot properly. If not, you can refresh the IP address (using ipconfig / review command in Command Prompt).

If restarting the router and modem does not fix the problem, try to find the specific cause of a network error. If you do not receive a signal from the ISP (the first 3 lights do not light up), try calling ISP .

See more:

1. Why should you restart the router regularly?
2. Why does restarting the phone help the device run faster and fix some common errors?
3. Explain the rule 30-30-30 when hard reset the router

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