



Only the fiber optic light is on in the router

Article Overview

If only the fiber optic (PON) light is on, it usually means your router is receiving a proper fiber signal but other connections, like Ethernet or Wi-Fi, may not be active or functioning.

Understanding the Lights

- o Fiber/PON Light: A solid light indicates the router or ONT is receiving a proper optical signal from your ISP, meaning the fiber connection itself is active and functional .
- o Power Light: Confirms the device is powered on. If this light is off, the router may not be receiving power .
- o LAN/Ethernet Lights: Should flicker when a device is connected and transmitting data. If off, it may indicate no device is connected, a faulty cable, or a port issue .
- o Wi-Fi/WLAN Light: Indicates wireless activity. If off, Wi-Fi may be disabled in the router settings .

Possible Causes

- o No Devices Connected: If no computers or devices are connected via Ethernet, the LAN lights will remain off .
- o Disabled Wi-Fi: Wireless functionality may be turned off in the router settings, leaving only the fiber light on .
- o Router or ONT Issue: Some routers may show only the fiber light if there is a fault with the router itself, even though the fiber signal is fine .
- o ISP or Account Issue: If all lights except the fiber light are off, the problem could also be on the ISP side, such as a suspended service or network outage .

Troubleshooting Steps

- o Check Power: Ensure the router is plugged in and the power light is on. Try a different outlet if necessary .
- o Verify Connections: Make sure Ethernet cables are securely connected between the ONT and router, and between the router and devices .
- o Restart Devices: Power cycle both the ONT and router by unplugging them for 30-60 seconds and then plugging them back in .
- o Check Wi-Fi Settings: Log into the router interface to confirm Wi-Fi is enabled.
- o Contact ISP: If the fiber light is solid but no internet is available, check for outages or account issues with your ISP . By following these steps, you can determine whether the issue is local (cables, router settings) or external (ISP network or service problem).

Learn how to troubleshoot fiber optic cables with common problems, a step-by-step process, essential tools,



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and

The best reason to choose a fiber router is if you have already had fiber installed in your home. That's the only reason you would

Seeing a LOS red light on your router or ONT? Find out what it means, the common causes, and how to fix a router

Blinking lights on a router, modem, or gateway All modems, ONTs, routers, and gateways

Plug a lamp into the same plug socket and see if it turns on. If just turned on wait three minutes to see if the light comes on. Flashes

The fiber optic cable you just installed failed testing. What do you do next? How do you find the problem and fix it--fast? Fortunately,

Not sure what the lights on your fiber equipment mean? This guide explains each status light and how to troubleshoot common issues.

The tables in this article provide detailed information about the possible appearances of the LED lights on each device, the possible

If the internet light on your TP-Link router is off, or the web interface shows "WAN Port Unplugged" or "Something Is

Complete guide to fiber ONT indicator lights. Learn what POWER, LOS, PON, LAN, and WiFi lights mean and how to

When you're facing networking issues, the lights on your router can be very helpful for narrowing down the exact

Understanding LED Indicators on a Fiber Router Let's break down what the common LED lights on a fiber router mean and how they

What Is an ONT? An ONT converts the fiber-optic light signals from your internet provider into electrical signals your

Troubleshooting your ONT An ONT, or Optical Network Terminal, is the box where your fiber internet

What do the lights on the Openreach modem mean? If you're a fibre customer, you may have an Openreach

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modem (also called an

Lights on SFP on one side but not the other? I am connecting 2 switches via SMF using SFP transceivers. One switch shows light

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