

The reason why the router's fiber optic cable turns red is



AI Overview

A red light on a router's fiber optic connection usually indicates a Loss of Signal (LOS), caused by physical cable issues, ISP outages, or router/connection problems.

Common Causes

1. Loss of Signal (LOS): The red light often signals that the router cannot communicate with your Internet Service Provider (ISP) due to a disrupted fiber signal. This can happen if the fiber optic cable is damaged, bent sharply, or has a faulty connector, which interrupts the light transmission inside the fiber cable . 2. ISP Outages: Temporary service interruptions from your ISP, such as maintenance, technical issues, or network congestion, can cause the red light to appear even if the fiber cable itself is intact . 3. Loose or Damaged Connections: Improperly seated fiber connectors, power cables, or Ethernet connections can prevent the router from establishing a stable link, triggering the red LOS light . 4. Router or ONT Malfunction: Internal hardware or firmware issues in the router or Optical Network Terminal (ONT) can also cause the red light, sometimes intermittently . 5. Environmental Factors: Excessive bending, tight coils, or pressure on the fiber cable (e.g., under skirting boards) can attenuate the signal, leading to intermittent red light flashes .

Troubleshooting Steps

- Check for ISP Outages: Verify with your ISP whether there is a known service disruption in your area .
- Inspect the Fiber Cable: Look for visible bends, kinks, or damage. Ensure the cabl...

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This router issue means the ONT can't detect an optical signal from the ISP's Fiber network. It's usually caused by a

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4.1 No Internet Connection If the internet light is off or red, your router isn't able to connect to the internet. Follow these

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My Optical Light is flashing, has gone off or has gone red

If you find that the Optical/Config/PON Light on your Fibre ONT (Optical Network Terminal) box is flashing, has gone

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What does it mean if the light on my router is red?

Plug the power cable back into your router. Wait 1 to 2 minutes for it to fully power on. If the light on your router is still red, open your

Contact Us

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