What to do if the fiber optic cable in the router is red

Overview

What to Do When the LOS Light Blinks Red and How to This guide will walk you through what the LOS light means, why it blinks red and step-by-step instructi.

Key Takeaways

A red fiber optic light on your router indicates a loss of signal, often caused by cable issues, ISP outages, or router problems, and can usually be resolved with basic troubleshooting.

Check for Service Outages

Before troubleshooting your equipment, verify whether your Internet Service Provider (ISP) is experiencing a local outage. Visit their website, social media pages, or call customer support to confirm if the red light is due to maintenance or network issues.

Inspect the Fiber Optic Cable

Look for physical damage such as cuts, bends, or kinks in the fiber optic cable. Ensure the cable is securely connected to the router's WAN or ONT port. If the cable appears damaged, it may need to be replaced.

Reboot Your Router

Turn off the router and unplug it from the power source. Wait 30 seconds to 1 minute, then plug it back in and power it on. Check if the LOS light turns green, indicating the signal has been restored.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Check All Connections

Ensure the power cable, LAN cables, and fiber optic cable are firmly connected. Tighten any loose connectors gently but securely. If using a surge protector, try plugging the router directly into a wall outlet to rule out power issues.

Update Firmware

Outdated router firmware can sometimes cause connectivity issues. Use your router's app or web interface to check for and install any pending updates. Reset the Router (if necessary)Locate the reset button on the router, usually a small hole labeled “Reset.”Press and hold the button for 10–30 seconds using a paperclip or pin.

Be aware that this will erase custom settings, so have your ISP credentials ready to reconfigure the router.

Contact Your ISP

If the above steps do not resolve the issue, contact your ISP. Provide them with: The LOS light status (blinking or solid red)Observations about the cables or routerYour account details for faster support By following these steps, most red fiber optic light issues can be diagnosed and resolved without replacing the router. If the problem persists, it may indicate a faulty router or damaged fiber line that requires professional repair.

Article Content

What to Do When the LOS Light Blinks Red and How to

This guide will walk you through what the LOS light means, why it blinks red and step-by-step instructions on how to resolve the issue, including

LOS Light Blinking Red on Router: Easy Fixes

That blinking red LOS light means your router has lost its connection to your internet provider''s network. Before you panic or call tech support, there are several simple fixes you can try at

Modem & Router Lights Explained | BroadbandSearch

Do not attempt to repair or reconnect fiber cable yourself — the connectors require specialized cleaning tools and alignment equipment. If the PON light is red and a reboot doesn''t

Fiber Network Troubleshooting – Common Issues & Fixes

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

“To troubleshoot fiber network issues, start by inspecting physical connections, testing signal strength, and verifying device functionality. Use OTDR for advanced diagnostics and resolve

How to Fix Red Light on My Router

In this comprehensive guide, we will walk you through the common causes of a red light on your router and provide step-by-step instructions on how to fix it. Before diving into the solutions,

LOS Red Light on Router/ONT: What It Means & How to Fix

LOS (Loss of Signal) red light can be worrying because it usually means your internet connection has stopped working. However, in many cases, the issue is caused by something simple,

Modem & Router Lights Meaning: What Every LED Color Means

If the red light persists after rebooting, check your coaxial cable connection and then contact Xfinity support. A solid red light can also indicate the device has overheated.

Fiber optic cable Market Size, Share & Trends, 2034

Global Fiber Optic Cable Market Size The global fiber optic cable market size was valued at USD 13.84 billion in 2025 and is anticipated to reach USD 15.26 billion in 2026 and USD 33.29

The FOA Reference For Fiber Optics

The Installation After the process of designing fiber optic networks is completed, the next step is to install it. What do we mean by the “installation process?”

101 Guidelines for Fiber Optic Cable Installation

Never directly pull on the fiber itself. Fiber optic cables have Kevlar aramid yarn or a fiberglass rod as their strength member. You should pull on the fiber cable strength members only! Never exceed the

Fiber testers : Equipment and tools | Fluke Networks

Fiber testers and how to use them A guide to fiber optic testers, tools, and troubleshooting Fiber optic cabling is the high-performance core of today''s datacom networks. As network speeds and

Fiber Optic Color Code: The Ultimate TIA-598-C Guide (2026)

Master the TIA-598-C fiber optic color code standard. Read our complete guide and use our free interactive calculator to easily identify 1-144 core cables.

5 Best Fiber Optic HDMI Cable | Distance Without Signal Loss

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Directionality and Installation Nearly every fiber optic HDMI cable is unidirectional. The Source end (often labeled or color-coded red) plugs into your player, PC, or console, and the Display end goes

Fiber Optic Pigtail: Types, Splicing Guide, Specs & Price

Fiber optic pigtail guide : SC/APC & LC/UPC connectors, 0.9/2.0/3.0 mm buffers, single-mode and multimode types, fusion splicing steps, price ranges, specifications, and how to

Small Form-factor Pluggable

Small Form-factor Pluggable Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module format used for

The FOA Reference For Fiber Optics

Fiber Optic Network Design Jump To: The Communications System Cabling Design Choosing Transmission Equipment Planning The Route Choosing Components Cable Plant Link Loss Budget

Fiber Optic Equipment: What Do You Need for Internet?

Do I Need a Modem for Fiber Internet? Nope. With fiber, the ONT replaces the modem entirely. The ONT connects to your provider''s fiber optic network equipment, translates the signal,

Can I Use My Own Router for Fiber Internet? | Mercury

See when you can use your own router for fiber internet, what equipment is still required, and how to choose a compatible router for your home.

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved