

Replacing the router reduced 100M fiber optic connection to 10M



Article Overview

Replacing your router can reduce a 100M fiber connection to 10M due to port limitations, router compatibility issues, or configuration mismatches.

Common Causes

1. Router Port Speed Limitations Even if your new router is labeled as “gigabit,” the WAN or LAN ports may default to 100M or auto-negotiate incorrectly, limiting your fiber connection to 10M or 100M speeds. Older routers or misconfigured ports can create a bottleneck, especially if the router is not fully compatible with fiber internet speeds . 2. Fiber Compatibility and ONT Connection Fiber internet requires an Optical Network Terminal (ONT) to convert light signals to Ethernet. Your router must have a Gigabit WAN port to handle the full speed. Routers designed for DSL or cable may not support fiber properly, causing drastic speed drops . 3. MAC Address Restrictions Some ISPs bind your service to the MAC address of the original router. Installing a new router without cloning the old router's MAC address can result in throttled speeds. Cloning the old router's MAC address to the new router often restores full speed . 4. Router Configuration Issues Incorrect settings such as VLAN, PPPoE, or QoS can limit throughput. Additionally, older Wi-Fi standards (Wi-Fi 4 or 5) may reduce wireless speeds, though wired connections should still approach the fiber limit if ports are correct .

Troubleshooting Steps

- Check Router Ports: Ensure both WAN and LAN ports support at least 100M or Gig...

Article Content

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Sounds like an ONT-Router issue. Try replacing the cable between the ONT and router for one that you've tested. If that doesn't fix it

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In fact, when you are using 100M broadband, changing to a gigabit router can not increase the speed of the wired

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How to Connect Fiber Optic Cable to Router: Complete Guide 2025

By following this detailed guide, you've not only learned how to connect fiber optic cable to router properly but also

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Learn how to fix the issue of getting only 100 MBit/s instead of the expected 1 GBit/s. This article provides step-by-step

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If you are looking for a new fiber internet router, then you should check our round-up of some of the best routers right

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There are a few causes for this occurrence, as well as a couple good solutions. Though it can wear on your nerves, tackling the

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Advice on improving speed / range with fiber optic internet up to 100 ...

As a general comment - so we have fiber optic cables. I understand Ethernet is the "normal" cables used prior to fiber optic. Do we

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Moreover, the small deviation even the dust could cause fiber optic signal being distorted. Pre-made fiber optical cable

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All of our Fiber Optic patch panels in 6 buildings are currently using ST connectors. I am making some changes to our

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For wired networks under 100M fiber, it's unnecessary—you won't see improved speeds. But for wireless performance, especially

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Learn how to integrate fiber optic cables into your existing network to improve speed, reduce latency, and increase

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How to Optimize Your Fiber Optic Internet Speed and Quality

Learn how to check your equipment, adjust your router settings, reduce interference, and troubleshoot common problems to optimize

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Trying to move my modem but the fiber optic cable (I

Trying to move my modem but the fiber optic cable (I guess.. I'm not sure..) from ISP is too short, how to

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How to upgrade a Fiber router? Fiber Router suggestions please

I've recently built my own system and I am planning to also upgrade my home network. I am currently using the stock router my ISP

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How to Extend your Network Using Fiber Optic Cables

The video recommends using a pre-terminated fiber optic assembly and a pair of media converters for situations where your network

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Why do some cables run at 100M instead of 1000M? Do I need 1000M ...

Do I really need gigabit connection between router and switch if switch is the only device connected to router and the

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Will a New Router Boost Your Internet? Is Your 100M Fiber Truly

If you've been frustrated with slow internet at home—especially with a 100M fiber connection—you're not alone. Many people wonder

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Can I Use Gigabit Routers to Speed Up My Network, Under the 100M Fiber ...

Summary All in all, replacing the gigabit router under 100M broadband cannot increase the speed of the wired

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moving a router with fiber

I know most the actual fiber installs in the USA terminate in a box called a ONT and you plug a router into that with

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fiber optic ethernet cable to run from pc to modem/router

Do they make fiber optic ethernet cables that I can just simply connect to my motherboards lan port and routers lan1

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Ultimate Guide for Upgrading to Fiber Optic Networks

Fiber optic network has become prevalent due to their numerous advantages offered to meet ever-increasing needs

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Fiber Network Troubleshooting – Common Issues & Fixes

By following a structured troubleshooting process—from inspecting cables and cleaning connectors to running OTDR

Contact Us

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