

RIVO MULTITRADE OPTICAL SYSTEMS

How to set up a router with a 100Mbps fiber optic connection



Overview

Configuring your router for fiber internet ensures you get the most out of your high-speed connection.

Key Takeaways

To set up a router for a 100Mbps fiber optic connection, connect the fiber line to an ONT, link the ONT to a fiber-ready router via Ethernet, and configure the router with your ISP credentials and Wi-Fi settings.

Step 1: Gather Required Equipment

- Optical Network Terminal (ONT): Provided by your ISP, converts fiber signals into Ethernet-compatible signals .

- Fiber-ready router: Ensure it supports at least 100Mbps and preferably Wi-Fi 5 (802.11ac) or Wi-Fi 6 (802.11ax) for optimal performance .

- Ethernet cable: Use Cat 6 or Cat 6a to handle high-speed data transfer .

- Fiber optic cable: Usually SC/APC or SC/UPC connectors, provided by your ISP .

Step 2: Connect the Fiber Optic Cable

- Locate the fiber optic wall outlet where the ISP's line enters your home .

- Plug the fiber optic cable into the ONT's optical port, handling the connector carefully to avoid dirt or damage .



- Power on the ONT and wait 2–5 minutes for the status lights to stabilize .

Step 3: Connect the Router

- Use an Ethernet cable to connect the ONT's Ethernet/LAN port to the router's WAN port .

- Power on the router and wait for the indicator lights to confirm a successful connection .

Step 4: Configure the Router

- Access the router's admin panel by entering its IP address in a web browser (commonly 192.168.1.1), .

- Enter your ISP-provided credentials to authenticate the connection .

- Update the router firmware if prompted to ensure security and performance .

- Set a strong Wi-Fi password and customize your network name (SSID) for easy identification .

Step 5: Optimize Performance

- Position the router centrally in your home to maximize Wi-Fi coverage.

- Use dual-band or tri-band routers to reduce congestion if multiple devices are connected.

- For wired devices, connect directly to the router using Ethernet to achieve full 100Mbps speeds. Following these steps ensures your 100Mbps fiber optic connection is fully functional, secure, and optimized for both wired and wireless devices .

Article Content

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Configuring your router for fiber internet ensures you get the most out of your high-speed connection. By following

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However, setting up a fiber optic connection to your router can seem daunting if you're unfamiliar with the process. In

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Step 5: Choosing the Right Router for Your Fiber Plan Your router's WAN (internet) port is the physical connection

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How to set up your fibre router

Great, let us guide you with our step-by-step video on how to setup your fibre router. If you have any trouble with these

Speed stuck at 100Mbps on 1Gb Fibre

-Speed on Ethernet does NOT change from 100Mbps. (But stays at 1.0Gb within the Duplex settings) So even though

[Wireless Router] How to set up ASUS Router with ONT (Fiber Connection ...

[Wireless Router] How to set up ASUS Router with ONT (Fiber Connection from ISP / Singtel) *Not applicable for

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What are the initial steps to set up a router for fiber internet connection? Begin by connecting your fiber optic modem to

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