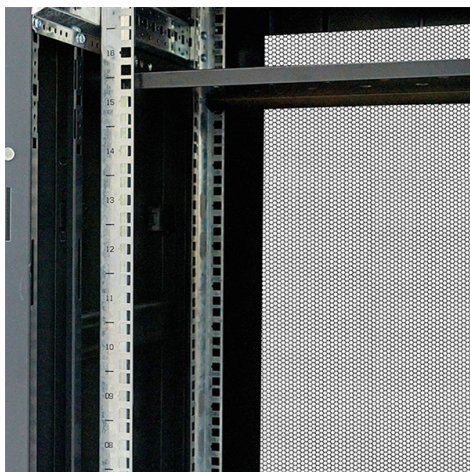


RIVO MULTITRADE OPTICAL SYSTEMS

How to connect a single-port fiber optic cable to a router



Overview

Connect the Cable: Gently insert the fiber cable connector into the device's fiber port. It should click into place.

Key Takeaways

You connect a single-port fiber optic cable to a router by first linking it to an Optical Network Terminal (ONT), then using an Ethernet cable from the ONT to the router's WAN port.

Step 1: Gather Necessary Equipment

- Optical Network Terminal (ONT): Converts the fiber's light signals into electrical signals your router can use. Usually provided by your ISP .

- Fiber Optic Cable: Typically single-mode with SC/APC or SC/UPC connectors .

- Ethernet Cable: Cat6 or higher to connect the ONT to the router .

- Fiber-Ready Router: Ensure it has a WAN port compatible with Ethernet input .

Step 2: Install the ONT

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

- Connect the fiber optic cable from the wall outlet to the ONT's optical port. Handle the connector carefully, avoiding dirt or scratches .

- Power on the ONT and wait for the status lights to stabilize, indicating a successful connection .

Step 3: Connect the ONT to the Router

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

- Power on the router and wait for the indicator lights to confirm connectivity .

Step 4: Configure the Router

- Access the router's configuration interface via a web browser (commonly 192.168.0.1 or 192.168.1.1), .
- Set up your internet connection and Wi-Fi network. Enable Quality of Service (QoS) if needed for VoIP or video calls .
- Change default usernames and passwords to secure your network .

Step 5: Verify and Optimize

- Test the connection using a speed test or by connecting a computer directly to the ONT for accuracy .
- Ensure all cables are securely connected and avoid bending the fiber cable beyond its minimum bend radius .
- Proper placement of the ONT and router in a dry, ventilated area with surge protection helps maintain long-term stability . By following these steps, your single-port fiber optic cable will be properly connected to your router, ensuring high-speed, low-latency internet performance while protecting the integrity of the fiber connection .

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