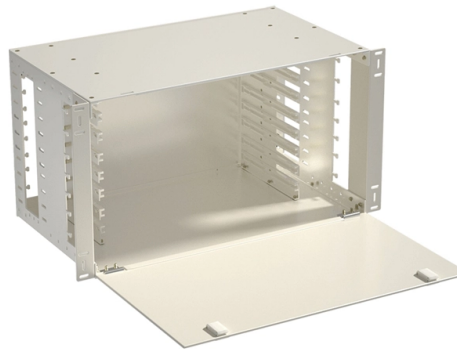


How to connect a router if you have a fiber optic cable



Article Overview

To connect a router to a fiber optic internet line, you need an Optical Network Terminal (ONT) to convert the fiber signal, then link it to your router via an Ethernet cable.

Required Equipment

- Optical Network Terminal (ONT): Converts the incoming fiber optic light signal into an electrical signal your router can use .
- Fiber optic cable: Usually single-mode with SC/APC or SC/UPC connectors .
- Ethernet cable (Cat6a or higher recommended): Connects the ONT to the router's WAN port .
- Fiber-ready router: Ensure it supports gigabit speeds or higher .

Step-by-Step Connection

- Locate the fiber optic wall outlet: This is where your ISP's fiber line enters your home .
- Connect the fiber optic cable to the ONT: Remove protective caps, align the connector carefully, and insert until secure. Handle the fiber by its plastic housing to avoid damage .
- Power on the ONT: Wait 2-5 minutes for the status lights to stabilize, indicating a proper connection .
- Connect the ONT to the router: Use an Ethernet cable from the ONT's LAN/Ethernet port to the router's WAN port

Article Content

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