

Router setup for fiber optic connection



AI Overview

To set up a router for a fiber optic connection, you need an ONT to convert the fiber signal, an Ethernet cable to link the ONT to your router, and proper configuration of your router's WAN settings.

Required Equipment

- **Optical Network Terminal (ONT):** Provided by your ISP, this device converts the incoming fiber optic light signals into electrical signals your router can use .
- **Fiber Optic Cable:** Typically a thin yellow cable with SC/APC or SC/UPC connectors, connecting the ISP's fiber outlet to the ONT .
- **Ethernet Cable:** Cat6 or Cat6a recommended for high-speed data transfer between the ONT and router .
- **Fiber-Compatible Router:** Ensure your router supports gigabit speeds or higher and has a WAN port or SFP slot for fiber input .

Step-by-Step Setup

- **Locate the Fiber Outlet:** Identify where the ISP's fiber line enters your home or office .
- **Connect Fiber to ONT:** Insert the fiber optic cable into the ONT's designated optical port, ensuring it clicks securely .
- **Power On the ONT:** Plug in the ONT and wait for the status lights to stabilize, which may take 2-5 minutes .
- **Link ONT to Router:** Use an Ethernet cable to connect the ONT's LAN/Ethernet port to the router's WAN or Internet port .

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