

How to set up a router for internet access when only fiber optic cable is available



Article Overview

To connect a router when you have only a fiber optic cable, you need an Optical Network Terminal (ONT) to convert the fiber signal into Ethernet, which then connects to your router.

Required Equipment

- Optical Network Terminal (ONT): Provided by your ISP, this device converts the fiber optic light signal into an electrical signal compatible with standard routers .
- Router: Any router with a Gigabit Ethernet WAN port can be used . Wi-Fi 6 or 6E routers are recommended to fully utilize fiber speeds .
- Fiber optic cable: Usually provided by your ISP, with SC/APC or SC/UPC connectors .
- Ethernet cable: To connect the ONT to your router .

Step-by-Step Connection

- Locate the fiber wall outlet where the ISP's fiber line enters your home .
- Connect the fiber optic cable from the wall outlet to the ONT's optical input port. Handle the fiber connector carefully to avoid dirt or damage .
- Power on the ONT and wait for the status lights to stabilize, indicating a successful connection to the ISP network .
- Connect the ONT to your router using an Ethernet cable. Plug one end into the ONT's LAN/Ethernet port and the other into the router's WAN port .
- Power on the router and wait for the indicator lights to confirm connectivity .
- Configure the router if required: access the admin panel via a browser (e.g., 192.1...

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