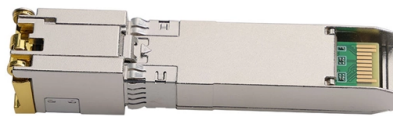


How to set up a router for whole-house fiber optic internet



Article Overview

To connect a router to whole-house fiber optic internet, you need an Optical Network Terminal (ONT) to convert the fiber signal, then link it to your router via Ethernet for full home coverage.

Step 1: Gather Necessary Equipment

- Optical Network Terminal (ONT): Provided by your ISP, this device converts the incoming fiber optic light signal into electrical signals your router can use .
- Fiber optic cable: Usually single-mode with SC/APC or SC/UPC connectors .
- Ethernet cable: Cat6a or higher is recommended to maintain gigabit speeds .
- Router: Ensure it supports high-speed connections and, for large homes, consider Wi-Fi 6/6e or Wi-Fi 7 routers for better coverage .

Step 2: Install the ONT

- Locate the fiber optic 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 port, handling the connector carefully to avoid damage .
- Power on the ONT and wait for the status lights to stabilize, which may take a few minutes .

Step 3: Connect the ONT to Your Router

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

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