

# Fiber Optic Line Router Configuration



## AI Overview

To configure a router for a fiber optic connection, connect the fiber line to an ONT, link the ONT to your router via Ethernet, and configure the router with ISP credentials and network settings.

### Step 1: Gather Required Equipment

- Optical Network Terminal (ONT): Converts fiber signals into electrical signals for your router, usually provided by your ISP .
- Fiber-ready router: Ensure it supports gigabit speeds or higher; some routers have SFP ports for direct fiber input .
- Fiber optic cable: Typically single-mode with SC/APC or SC/UPC connectors .
- Ethernet cable: Cat6a or higher recommended to connect the ONT to the router .

### Step 2: Install the ONT

- Locate the fiber wall outlet where the ISP fiber line enters your premises.
- Connect the fiber optic cable from the wall outlet to the ONT's designated port.
- Power on the ONT and wait for the status lights to stabilize (usually 2-5 minutes), .

### Step 3: Connect the Router

- Use an Ethernet cable to connect the ONT's LAN/Ethernet port to the router's WAN port .
- Power on the router and ensure indicator lights show an active connection....

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