

How to get the fiber optic cable connected to the router



Article Overview

You connect a fiber optic cable to your router by first linking it to an Optical Network Terminal (ONT), then connecting the ONT to your router via an Ethernet cable.

Step 1: Gather Necessary Equipment

- Fiber optic cable: Usually a thin yellow cable with SC/APC or SC/UPC connectors .
- Optical Network Terminal (ONT): Converts the fiber's light signals into electrical signals your router can use .
- Router: Ensure it has a WAN port or supports fiber input (SFP/PON port), .
- Ethernet cable: Typically Cat6a or higher for optimal speed .
- Power adapters for both ONT and router.

Step 2: Install the ONT

- Locate the fiber wall outlet where your ISP's fiber line enters your home .
- Connect the fiber optic cable from the wall outlet to the ONT's optical port, removing protective caps and handling the connector by its plastic housing to avoid damage .
- Power on the ONT and wait 2-5 minutes for the status lights to stabilize .

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 .
- Power on the router and wait for the indicator lights to confirm a successful connection .

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