

How to connect the internal fiber optic cable of a router



Article Overview

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

Step 1: Gather Necessary Equipment

- Optical Network Terminal (ONT): Provided by your ISP, it converts optical signals into electrical signals your router can use .
- Fiber optic cable: Usually a thin yellow cable with SC/APC or SC/UPC connectors .
- Router: Ensure it has a WAN port or supports fiber input via SFP/PON modules .
- Ethernet cable: To connect the ONT to the router .

Step 2: Connect Fiber Cable to the ONT

- Locate the fiber wall outlet where the ISP's fiber enters your home .
- Remove protective caps from both the fiber cable and the ONT port.
- Align the connector key or tab and insert the fiber cable into the ONT's optical port until it clicks securely .
- Power on the ONT and wait 2-5 minutes for the status lights to stabilize, indicating a successful connection .

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 port .
- Power on the router and wait for the indicator lights to confirm connectivity

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Connect the fiber optic cable to the router: Carefully insert the end of the fiber optic cable into the corresponding port

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Connecting to a Router or Modem | Fiber Cable Connection – Sivo

Connect the Cable: Gently insert the fiber cable connector into the device's fiber port. It should click into place.

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Fiber Optic Home Installation: A Simple Guide for Homeowners

Optical Network Terminal (ONT): A device near your electrical panel that turns the fiber signal into internet for your

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