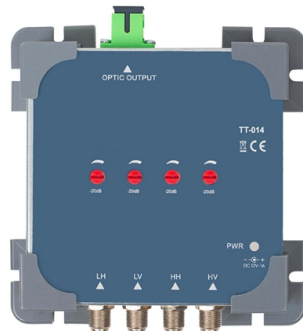


How to connect a fiber optic router to a network



Article Overview

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

Step 1: Gather Necessary Equipment

- Optical Network Terminal (ONT): Provided by your ISP, it converts the incoming fiber optic signal into an electrical signal your router can use .
- Fiber optic cable: Usually a thin yellow cable with SC/APC or SC/UPC connectors .
- Router: Ensure it supports fiber input or has a WAN port for Ethernet connection .
- Ethernet cable: Typically Cat6a or higher to maintain high-speed performance .

Step 2: Install the ONT

- 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 port, handling the connector by its plastic housing 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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