

Fiber optic cable connection to router interface



Article Overview

Fiber optic cables connect to a router via an Optical Network Terminal (ONT), which converts light signals into Ethernet signals that the router can use.

Required Equipment

To connect fiber optic internet to your router, you will need:

- Optical Network Terminal (ONT): Provided by your ISP, it converts optical signals to electrical signals compatible with routers .
- Fiber optic cable: Usually single-mode with SC/APC or SC/UPC connectors .
- Router: Ensure it has a WAN or SFP port compatible with fiber input .
- Ethernet cable: To link the ONT to the router .
- Power adapters for both ONT and router.

Step-by-Step Connection

- 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 to the ONT's optical port, handling the connector carefully to avoid dirt or damage .
- Power on the ONT and wait for the status lights to stabilize, indicating a successful connection to the ISP network.
- Connect the ONT to the Router...

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