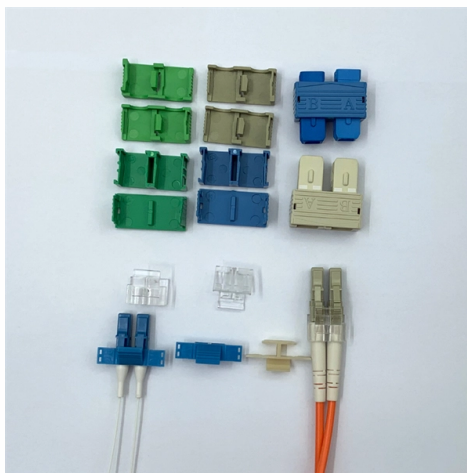


Connect the fiber optic box to the router



Overview

Build a home fiber network for 1-2 Gbps speeds with this complete guide to installation, troubleshooting, and performance.

Key Takeaways

To connect a fiber optic internet line to your router, you must first link the fiber cable to an Optical Network Terminal (ONT) and then connect the ONT to your router via an Ethernet cable. Required Equipment

- Optical Network Terminal (ONT): Converts fiber optic signals into electrical signals your router can use, usually provided by your ISP .
- Fiber optic cable: Typically single-mode with SC/APC or SC/UPC connectors .
- Ethernet cable: Cat6a or higher recommended for optimal speeds .
- Router: Ensure it supports gigabit speeds or higher and has a WAN port for the Ethernet connection .

Step-by-Step Connection

- Install the ONT
- Locate the fiber optic wall outlet where the ISP's fiber line enters your home.
- Connect the fiber optic cable to the ONT's optical input port, handling the connector carefully to avoid dirt or damage .
- Power on the ONT and wait for the status lights to stabilize, which may take a few minutes .

- Connect the ONT to 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 wait for the indicator lights to confirm a successful connection.
- Router Configuration
- Access the router's user interface via a web browser.
- Enter your ISP account information if required and select the connection type (DSL or fiber optic modem) in the settings .
- Save the settings and verify that the router establishes an internet connection.

Placement and Optimization

- Place both the ONT and router near electrical outlets and in a dry, ventilated area .
- Use surge protectors to safeguard your equipment.
- For best performance, keep the router centrally located for Wi-Fi coverage and consider firmware updates to maximize speed and security . By following these steps, your fiber optic internet should be properly connected, providing high-speed, low-latency connectivity for all your devices.

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3.) Where to put the fibre box or ONT in your home

As part of the installation process, you'll want to decide the best place to put your ONT or

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The top 2 lights on your service box should be green. If not, push the power button in. Connect the GREEN fiber connector to the

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Fiber optic internet is generally installed in the following 5 steps, which we'll dive deeper into

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