

# Steps to reconnect the fiber optic box to the router



## Overview

How to Connect a Fiber Optic Cable to a Router Setting up a fiber internet connection requires understanding key hardware components and following a specific sequence.

## Key Takeaways

Reconnect your fiber optic box (ONT) to your router by connecting the fiber cable to the ONT, linking the ONT to the router via Ethernet, and powering devices in the correct sequence.

Step 1: Gather Necessary Equipment

Ensure you have the following items:

- Optical Network Terminal (ONT) provided by your ISP, which converts optical signals to electrical signals.
- Fiber optic cable from your ISP, usually with SC/APC or SC/UPC connectors.
- Ethernet cable (Cat5e, Cat6, or higher) to connect the ONT to your router.
- Router with a WAN or Internet port compatible with Ethernet input .

Step 2: Connect the Fiber Optic Cable to the ONT

- Locate the fiber wall outlet or Fiber Termination Point (FTP) installed by your ISP.
- Carefully insert the fiber optic cable into the ONT's designated port labeled "Fiber" or "GPON." Ensure it clicks securely in place to avoid signal loss .

- Plug the ONT into a power source and wait for the status lights to stabilize, which may take 2–5 minutes. A solid green power light indicates the ONT is receiving electricity and has established a connection with your ISP .

#### Step 3: Connect the ONT to Your Router

- Take an Ethernet cable and connect one end to the ONT's LAN or Ethernet port.
- Connect the other end to the WAN/Internet port on your router. This port is often labeled and may be colored differently to distinguish it from LAN ports .

#### Step 4: Power Up the Router

- After the ONT has fully booted and stabilized, plug in your router and allow it to power on.
- Wait for the router's indicator lights to confirm a successful connection. Typically, the Internet or WAN light should turn solid or blink to indicate connectivity .

#### Step 5: Configure Your Router

- Access your router's configuration interface via a web browser (commonly 192.168.0.1 or 192.168.1.1).
- Follow the setup wizard to configure your internet connection and Wi-Fi network.
- Change the default username and password to secure your network.
- Optionally, enable Quality of Service (QoS) settings if you use VoIP or video conferencing services regularly .

#### Step 6: Verify Connectivity

- Check that all cables are securely connected.
- Run a speed test to confirm your internet connection is functioning properly.
- If needed, connect a computer directly to the ONT to verify the fiber signal before troubleshooting the router . Following these steps ensures a stable and high-speed fiber optic connection from your ISP to your router.

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