

## How to connect the fiber optic cable to the set-top box 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 specif.

### Key Takeaways

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

- Fiber optic cable: Usually provided by your ISP, with SC/APC or SC/UPC connectors.
- Optical Network Terminal (ONT): Converts the optical signal into an electrical signal your router can use.
- Router: Ensure it has a WAN or Internet port compatible with Ethernet input.
- Ethernet cable: Cat6 or higher is recommended for optimal speeds.

- Power adapters: For both the ONT and router.

#### Step-by-Step Connection

- Locate the fiber wall outlet where your ISP's fiber line enters your home.
- Connect the fiber optic cable to the ONT: Remove protective caps, align the connector with the ONT port, and push until it clicks securely. Handle the fiber by its plastic housing to avoid damage.

- Power on the ONT: Plug it into an electrical outlet and wait 2–5 minutes for the status lights to stabilize.
- Connect the ONT to the router: Use an Ethernet cable to link the ONT's LAN/Ethernet port to the router's WAN/Internet port.
- Power on the router: Wait for the indicator lights to confirm a successful connection.
- Configure the router: Access the router's admin panel via a web browser (commonly 192.168.1.1), enter ISP credentials if required, and set up Wi-Fi.
- Verify the connection: Run a speed test or connect a device to ensure internet access is active.

#### Tips and Precautions

- Keep the ONT and router in a dry, ventilated area near power outlets.
- Avoid bending or stressing the fiber cable; it is fragile and can break easily.
- Clean connectors with alcohol wipes if needed to prevent signal loss.
- Use a surge protector to safeguard your equipment. By following these steps, your fiber optic internet will be properly connected to your router, providing high-speed, low-latency connectivity for streaming, gaming, and other online activities .

## Article Content

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Setting up a fiber internet connection requires understanding key hardware components and following a specific

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Connect the 2nd coax cable from the COAX OUT port on the DCT700 Digital Adapter to the TV coax port. Note: RCA cables R/W/Y

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