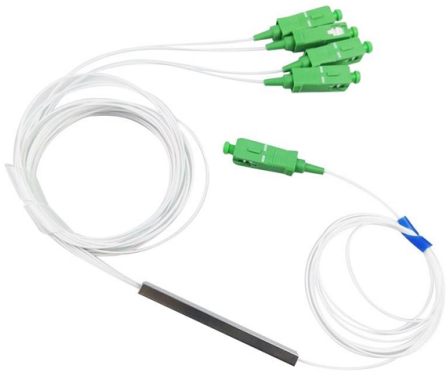
ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Connect the router to the fiber optic box



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 router to a fiber optic box, you need an Optical Network Terminal (ONT) to convert the fiber signal, then link it to your router via an Ethernet cable.Required 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 has a WAN or Internet port compatible with Ethernet input .

• Ethernet cable: Cat6 or higher is recommended for high-speed connections .

• Power adapters for both the ONT and router.
Step-by-Step Connection
• Locate the fiber optic 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 input port. Handle the cable carefully to avoid damage, and remove protective caps before connecting .

• Power on the ONT and wait for the status lights to stabilize, which may take 2–5 minutes .

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• Connect the Ethernet cable from the ONT's LAN or Ethernet port to the router's WAN/Internet port .

• Power on the router and wait for the indicator lights to confirm a successful connection .

• Access the router's admin panel via a web browser (commonly 192.168.1.1 or 192.168.0.1) to configure your network settings, including Wi-Fi name and password .
Tips for Optimal Performance
• Place the ONT and router near electrical outlets and in a dry, ventilated area .

• Use high-quality Ethernet cables (Cat6a or higher) to maintain maximum speed .

• Enable Quality of Service (QoS) in the router settings if you use video calls or gaming to prioritize traffic .

• Avoid bending or stressing the fiber optic cable, as it is fragile and can degrade signal quality . By following these steps, your router will be properly connected to the fiber optic network, allowing you to enjoy high-speed, low-latency internet throughout your home.

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