

After fiber optic connection to router



Article Overview

To connect fiber optic internet to your router, the fiber line first terminates at an Optical Network Terminal (ONT), which converts light signals into electrical signals that your router can use via an Ethernet cable.

Required Equipment

- Optical Network Terminal (ONT): Provided by your ISP, this device converts the incoming fiber light signals into electrical signals compatible with your router .
- Fiber optic cable: Typically a thin, yellow cable with SC/APC or SC/UPC connectors .
- Ethernet cable: Usually Cat6a or higher to connect the ONT to your router .
- Fiber-ready router: Ensure your router supports gigabit speeds or has a WAN port compatible with the ONT .

Step-by-Step Connection Process

- 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 outlet to the ONT's designated port. 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 link the ONT's LAN/Ethernet port to the router's WAN or Internet port. Power on the router and wait for the indicator lights to confirm a successful connection .
- Configure the Router: Access the router's admin panel via a web browser using its IP address (commonly 192.168.1.1). Enter any ISP-provided credentials if required to complete the setup

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For more information, pricing, or custom solutions, please contact us:

Website: <https://khanimamboguesthouse.co.za>

Email: sales@khanimamboguesthouse.co.za

Phone: +27 64 852 1973

Address: Unit 7, Greenway Business Park, 8 Innovation Drive, Centurion, 0157, South Africa

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