

How to connect fiber optic cable to a router and how to set it up



AI Overview

To connect a fiber optic cable to your router, you typically use an Optical Network Terminal (ONT) provided by your ISP, then link it to your router via an Ethernet cable.

Step 1: Understand the Components

Fiber optic internet requires several key components:

- Fiber optic cable: Can be single-mode or multi-mode depending on your ISP and distance requirements. Single-mode is preferred for long distances and higher bandwidth .
- Optical Network Terminal (ONT): Converts the light signals from the fiber into electrical signals that your router can use .
- Router: Connects to the ONT via the WAN port using a standard Ethernet cable .
- Optional media converters: Used if your router or switch does not natively support fiber connections .

Step 2: Choose the Right Fiber Cable

- Indoor vs outdoor: Use riser-rated cables indoors; for outdoor runs, choose UV-stable or armored cables to protect against environmental damage .
- Connector type: LC connectors with UPC polish (blue) are common for home networking .
- Cable length: Custom-length patch cables simplify installation and reduce excess...

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In this video, we'll cover the essential guidelines for installing fiber optic cables, helping

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However, setting up a fiber optic connection to your router can seem daunting if you're unfamiliar with the process. In

Contact Us

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

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

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town, 7441, South Africa

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