

Which cable should be connected first fiber optic or router



Article Overview

The fiber optic cable should be connected first to the Optical Network Terminal (ONT), followed by connecting the ONT to your router.

Step-by-Step Connection Process

- **Install the Optical Network Terminal (ONT)** The ONT is a device provided by your ISP that converts the incoming fiber optic light signals into electrical signals your router can use. Begin by connecting the fiber optic cable from the wall outlet or fiber entry point into the ONT's designated optical port. Handle the fiber connector carefully to avoid dirt or damage, and ensure it clicks securely into place .
- **Power on the ONT** After connecting the fiber, plug in the ONT and wait for its status lights to stabilize. This may take a few minutes as the ONT establishes a connection with your ISP's network .
- **Connect the ONT to the Router** Use a high-quality Ethernet cable (Cat6a or higher) to link the ONT's Ethernet/LAN port to the router's WAN port. This step allows the router to receive the converted internet signal from the ONT .
- **Power on the Router** Once the ONT is fully operational, plug in your router and wait for its indicator lights to confirm a successful connection. This ensures that the router can properly communicate with the ONT and distribute internet to your devices .
- **Configure the Router** Access the router's admin panel via a web browser, enter any ISP credentials if required, and update firmware if necessary. Enable Quality of Service (QoS) settings if you use VoIP or video conferencing to prioritize critical traffic

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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

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Fiber Internet Installation: Step-by-Step Guide (2026)

For a fiber optic connection, you need an optical network terminal (ONT), a router, and appropriate Ethernet

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How Do I Connect My Fibre To My Router?

The process involves connecting a fibre optic cable from your Internet Service Provider (ISP) to your router. This article is specifically

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Fiber Optic Network Design Jump To: The Communications System Cabling Design Choosing Transmission Equipment Planning

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