

Place the router in the fiber optic box



Article Overview

The router should be connected to the ONT via Ethernet and placed in a central location within your home for optimal Wi-Fi coverage.

Connecting the Router to the Fiber Optic Box

- **Install the ONT:** The Optical Network Terminal (ONT) is provided by your ISP and converts the fiber optic signal into electrical data. It is typically installed near the fiber entry point in your home, either inside or just outside the building .
- **Connect the Fiber Cable:** Plug the fiber optic cable from the wall outlet into the ONT's designated port. Ensure the connection is secure to avoid signal degradation .
- **Link the ONT to the Router:** Use a high-quality Ethernet cable (Cat6 or higher) to connect the ONT's Ethernet/LAN port to the router's WAN port. This ensures stable, high-speed data transfer .
- **Power On Devices:** Turn on the ONT first, wait for the status lights to stabilize, then power on the router. Confirm the router's indicator lights show a successful connection .

Optimal Router Placement

- **Central Location:** Place the router in a central area of your home to maximize Wi-Fi coverage and reduce dead zones .
- **Elevated Position:** Keep the router off the floor, ideally on a shelf or table, to improve signal distribution.
- **Avoid Obstacles:** Minimize interference by keeping the router away from thick walls, metal objects, and large electronic devices.
- **Consider Mesh Systems:** For larger homes, adding mesh Wi-Fi nodes can extend c...

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Learn how fiber optic internet installation works, from network planning to internal ONT setup. Discover step-by-step

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The FOA Reference For Fiber Optics

The Fiber Optic Association Fiber To The Home Handbook: For Planners, Managers, Designers, Installers And Operators Of FTTH -

How to Connect Fiber Optic Cable to Router: A Step-by-Step Guide

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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Once your connection is verified, where you place your router determines how well that speed reaches every room —

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Openreach are installing fibre ONT to my home this week and the easiest place for the ONT is in a different room in my

Contact Us

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