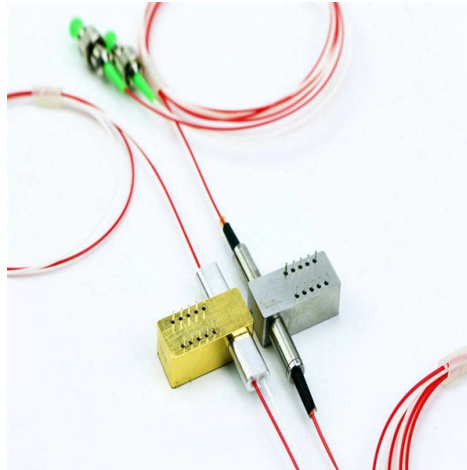


How to set up a fiber-to-the-home router



AI Overview

Setting up a Fiber to the Home router involves connecting the fiber optic cable to an ONT, linking the ONT to your router, and configuring the router for optimal performance.

Required Equipment

- To set up FTTH internet, you will need:**
- Optical Network Terminal (ONT):** Converts fiber light signals into electrical signals for your router. Usually provided by your ISP.
- Compatible Router:** Ensure it supports fiber input via a WAN port or SFP module.
- Fiber Optic Cable:** Typically yellow with SC/APC or SC/UPC connectors.
- Ethernet Cable:** Connects the ONT to your router.

Step 1: 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 2-5 minutes for the status lights to stabilize.

Step 2: Connect the ONT to Your Router

- Use an Ethernet cable to connect the ONT's LAN port to your router's WAN port.
- Power on the router and wait for the indicator lights to confirm a successful connection.

Step 3: Configure the Router

- Access the router's admin panel via a web browser (commonly at 192.168.1.1).
- Enter your ISP-provided credentials to authenticate the connection.
- Update the router firmware if necessary to ensure compatibility and security.
- Set a strong Wi-Fi password and customize your network name (SSID) for optimal performance.

Step 4: Optimize Wi-Fi Coverage

- For larger homes, consider mesh Wi-Fi systems to extend coverage.
- Place the router in a central location to minimize dead zones.
- Avoid placing the router near thick walls or metal objects that can interfere with signal.

Additional Tips

- Fiber to Ethernet Media Converters** can be used if you need to extend fiber connections or maintain electrical isolation between devices.
- Avoid bending fiber cables beyond manufacturer recommendations to prevent signal loss.
- Ensure the ONT and router are powered reliably; consider surge protection for sensitive equipment.

Following these steps ensures a high-speed, low-latency, and reliable fiber internet connection throughout...

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Contact Us

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

Website: <https://adicor.eu>

Email: info@adicor.eu

Phone: +33 6 48 37 92 15

Address: 12 Rue de la Paix, 75002 Paris, France

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