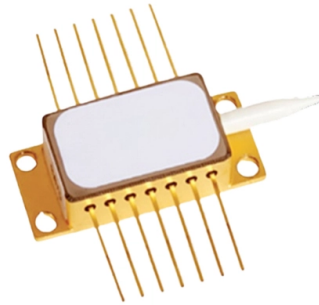


How to connect to the internet using a fiber optic repeater router



AI Overview

You can connect a router to a fiber optic network using a repeater by linking the repeater to the fiber modem (ONT) and then connecting your router to the repeater via Ethernet or Wi-Fi.

Step 1: Prepare Your Equipment

- Fiber optic modem (ONT):** Provided by your ISP, converts the fiber signal to Ethernet.
- Fiber optic repeater:** Extends the fiber signal or Wi-Fi coverage.
- Router:** Ensure it has a WAN port compatible with Ethernet input.
- Cables:** Ethernet cables to connect devices, and fiber optic cables if needed for direct repeater connection.

Step 2: Connect the Repeater to the Fiber Modem

Reset the repeater to factory settings if necessary. For example, on a FRITZ!Repeater, hold the Connect button for 15 seconds until the LED indicates reset.

Plug one end of an Ethernet cable into the LAN port of the fiber modem (ONT). Connect the other end to the LAN port of the repeater. Plug in the repeater and wait for it to start; the status LED will indicate readiness.

Step 3: Connect the Router to the Repeater

Option 1: Wired Connection

Use an Ethernet cable to connect the WAN port of your router to a LAN port on the repeater. Power on the router and configure it with a unique LAN IP address to avoid conflicts (e.g., 192.168.2.1 if the repeater uses 192.168.1.1). Configure Wi-Fi settings, SSID, and password as needed.

Option 2: Wireless Repeater Mode

If your router supports repeater mode, connect it wirelessly to the repeater's Wi-Fi network. Enter the repeater's Wi-Fi key and configure the router's network settings. This method extends Wi-Fi coverage without additional cabling.

Step 4: Verify the Connection

Check that devices connected to the router can access the internet. Ensure the repeater and router do not have overlapping IP ranges to prevent conflicts. Test Wi-Fi coverage and speed to confirm proper setup.

Additional Tips

Some fiber ISPs require VLAN ID configuration on the router; check your ISP's in...

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The FOA Reference For Fiber Optics

Fiber optic cables, especially those used for backbone cables, may contain many fibers that connect a number of different links going to several different locations

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Everything You Need to Know About Ethernet

Ethernet delivers stable, speedy, secure wired connections to the internet and between devices.

Setting up the FRITZ!Repeater for use with a fibre optic connection

Since the FRITZ!Repeater establishes and controls its own internet connection over the fibre optic modem, all FRITZ!Repeater functions (such as firewall, parental controls) are also available without

Contact Us

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