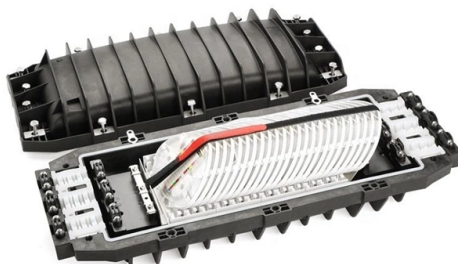


How to change the router and fiber optic connection



Overview

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

Key Takeaways

To change your router for fiber optic internet, connect a compatible router to the Optical Network Terminal (ONT) via Ethernet, configure the settings, and ensure it supports your fiber plan speeds.

Step 1: Check Router Compatibility

Fiber internet uses an Optical Network Terminal (ONT) instead of a traditional modem. Your router must have a Gigabit Ethernet WAN port to connect to the ONT and support the speed tier of your fiber plan. Routers designed for DSL or cable may not work. For optimal performance, a Wi-Fi 6 or 6E router is recommended, especially for plans exceeding 1 Gbps .

Step 2: Prepare for Installation

- Ensure your ONT is installed and activated by your ISP .
- Unplug your existing router if replacing it.
- Choose a central location in your home for the new router to maximize Wi-Fi coverage and avoid obstacles like walls or metal structures .

Step 3: Connect the Router

- Use an Ethernet cable to connect the ONT to the WAN port of your router .

- Plug in the router and power it on.
- If your router has detachable antennas, connect and extend them for better signal coverage .

Step 4: Configure Router Settings

- Access the router's admin panel via a web browser (commonly 192.168.1.1).
- Enter your ISP credentials if required (VLAN, PPPoE, or DHCP settings).
- Update the router firmware to the latest version for security and performance.
- Set a strong Wi-Fi password and customize your network name (SSID) for easy identification .

Step 5: Test and Optimize

- Check your internet speed to confirm the router is handling your fiber plan correctly.
- For critical applications like gaming or video conferencing, consider wired Ethernet connections for lower latency .
- Monitor Wi-Fi coverage and adjust router placement or settings as needed.
- For maximum performance, consider routers supporting Wi-Fi 7 if available .

Additional Tips

- Some ISPs may require specific router settings or authentication, so check with your provider before replacing the router .
- Owning your router allows for more customization but also means you are responsible for security and troubleshooting.
- Keep your old router handy until the new one is fully configured and tested to avoid downtime . By following these steps, you can successfully replace or set up a router for fiber optic internet, ensuring high-speed, reliable, and secure connectivity throughout your home or office.

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