How to replace the router and fiber optic cable



Overview

Get fiber internet installation done right for your home or business. Enjoy lightning-fast speeds and stable connections with professional setup.

Key Takeaways

To replace a router with fiber optic internet, connect your new router to the ISP-provided Optical Network Terminal (ONT) using an Ethernet cable, ensuring the router supports gigabit speeds and proper WAN configuration. Step 1: Verify Equipment CompatibilityFiber internet requires an Optical Network Terminal (ONT), which converts the fiber optic signal into an Ethernet connection for your router. Ensure your new router has a Gigabit Ethernet WAN port and supports high-speed Wi-Fi standards (Wi-Fi 6 or 6E recommended) to fully utilize fiber speeds.

Routers designed for DSL or cable with phone line or coaxial inputs will not work. Step 2: Prepare the ONTLocate the fiber optic wall outlet where your ISP's fiber line enters your home. Connect the fiber optic cable from the wall to the ONT's designated port.

Power on the ONT and wait for the status lights to stabilize, which usually takes 2–5 minutes. Step 3: Connect the RouterUse a high-quality Ethernet cable (Cat6a or higher) to connect the ONT's Ethernet/LAN port to your router's WAN port. Plug in and power on the router.

Extend any antennas if applicable and place the router in a central location to optimize Wi-Fi coverage. Step 4: Configure Router SettingsAccess the router's admin panel via its IP address in a web browser. Configure necessary settings such as VLAN, DHCP, or PPPoE, depending on your ISP's requirements.

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Update the router firmware to ensure security and performance. Step 5: Test and OptimizeCheck the internet connection on multiple devices. For optimal performance: Use wired connections for high-demand applications like gaming or video conferencing.

Monitor internet speed and adjust settings if needed. Secure your Wi-Fi network with a strong password.

Consider Wi-

Fi 7 routers for future-proofing and maximum bandwidth utilization. By following these steps, your new router will be fully integrated with your fiber optic internet, providing high-speed, low-latency connectivity throughout your home or office.

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