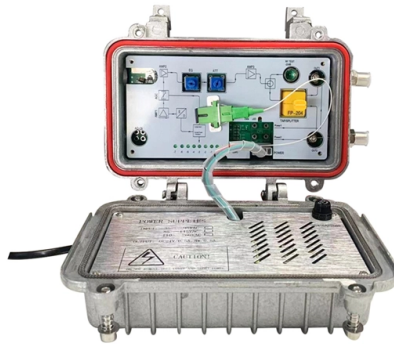


Changed router and fiber optic connection



AI Overview

You can use your own router with a new fiber optic connection, but proper configuration, including IP management and bridge mode, is essential for seamless connectivity. Key Considerations

1. **ISP-Provided Equipment:** Fiber optic internet typically requires an Optical Network Terminal (ONT) or a gateway provided by your ISP. This device often combines a modem and router, and it may need to remain in place to handle the fiber signal correctly .
2. **Router Compatibility:** Your personal router can usually be used if it connects via Ethernet to the ISP-provided gateway. The critical factor is that your router must be able to communicate with the incoming signal through the gateway's Ethernet port .
3. **IP Address Conflicts:** When using two routers, ensure each has a unique local IP address. For example, set the ISP router to 192.168.3.1 and your personal router to 192.168.1.1. This prevents conflicts and allows devices connected to your router to obtain IP addresses correctly .
4. **DHCP Settings:** Only one device should manage DHCP on a network. If both routers have DHCP enabled, your personal router may fail to assign IP addresses properly. Typically, you should disable DHCP on the ISP-provided router or put it in bridge mode, allowing your personal router to handle all local IP assignments .
5. **Bridge Mode:** Enabling bridge mode on the ISP gateway disables its routing functions, effectively turning it into a pure modem. This allows your personal router to manage the network fully, including Wi-Fi, firewall, and port forwarding .
6. **Device Reconnection:** After changing routers, some devices may fail to connect due to cached network settings. Forgetting the network on each device and reconnecting can resolve IP configuration errors, especially on Apple devices or smart TVs .
7. **Advanced Configuration:** If your personal router supports advanced firmware like O...

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