

Configure the fiber optic router for DHCP internet access



Overview

Configuring your router for fiber internet ensures you get the most out of your high-speed connection.

Key Takeaways

To set up a fiber optic router with DHCP, connect the router to the ONT, access the admin panel, enable DHCP, and configure the IP range and lease time for automatic device assignment.

Step 1: Connect Your Router to the Fiber Network

Start by connecting your router's WAN port to the Ethernet port on the Optical Network Terminal (ONT) using an Ethernet cable. The ONT converts the fiber signal into Ethernet for your router to distribute internet access. Ensure the router is powered on and the connection is stable, indicated by active internet lights on the router .

Step 2: Access the Router Admin Interface

Open a web browser on a device connected to your router. Enter the router's default IP address (commonly 192.168.1.1 or 192.168.0.1) into the address bar. Log in using the default credentials (often admin for both username and password) or the credentials provided by your ISP .

Step 3: Enable DHCP

Navigate to the DHCP settings section in the router interface. Enable DHCP to allow the router to automatically assign IP addresses to devices on your network. This eliminates the need for manual IP configuration and reduces errors .

Step 4: Configure IP Range and Lease Time

Set the IP address range from which DHCP will assign addresses (e.g., 192.168.1.2 to 192.168.1.80). Adjust the lease time, which determines how long a device keeps its assigned IP before requesting a new one. Save your settings to apply the configuration .

Step 5: Additional Network Settings

- **Wi-Fi Security:** Set a strong password and choose WPA3 or WPA2 encryption for secure wireless access .
- **Network Name (SSID):** Customize your network name for easy identification.
- **Firmware Update:** Check for and install any router firmware updates to ensure optimal performance and security .

Step 6: Verify Connectivity

After saving the DHCP settings, reconnect your devices to the network. Each device should automatically receive an IP address within the configured range. Test internet access to confirm proper setup . By following these steps, your fiber optic router will be configured to use DHCP efficiently, providing automatic IP assignment, simplified network management, and secure, high-speed internet connectivity.

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