

Setting up a router with China Unicom fiber optic internet connection PPPoE



Overview

If you've just purchased a Chinese Unicom modem router, it's normal to feel a little confused when setting it up.

Key Takeaways

To connect your router to China Unicom fiber optic internet, use PPPoE by linking the fiber modem to your router, accessing the router's web interface, and entering your ISP-provided username and password.

Step 1: Connect the Hardware

- Fiber Modem/ONT: Ensure the Optical Network Terminal (ONT) provided by China Unicom is powered on and connected to the fiber wall outlet using the fiber optic cable (SC/APC or SC/UPC connector) .

- Router Connection: Use an Ethernet cable to connect the ONT's LAN port to your router's WAN port .

- Power On: Plug in and power on both the ONT and the router. Wait for the status lights to stabilize, which may take 2-5 minutes .

Step 2: Access the Router Interface

- Connect your computer to the router via LAN cable or Wi-Fi.

- Open a web browser and enter the router's default IP address (commonly 192.168.1.1) .

- Log in using the default username and password found on the router label. For security, change the default password after logging in .

Step 3: Configure PPPoE

- Navigate to the WAN or Internet Settings section of the router interface .
- Select PPPoE as the connection type.
- Enter the username and password provided by China Unicom exactly as given .
- Skip VLAN ID unless your ISP explicitly requires it (most users do not need this) .
- Save the settings and allow the router to establish a connection. If it fails, reboot both the ONT and router and retry .

Step 4: Configure Wi-Fi

- Go to the Wireless or Wi-Fi Settings tab.
- Set your SSID (network name) and password.
- Choose a security type, preferably WPA2 or WPA3 for better protection .
- Save the settings and reconnect your devices to the new Wi-Fi network.

Step 5: Optional Advanced Settings

- MAC Address Cloning: Required if China Unicom locks service to a specific device .
- Quality of Service (QoS): Prioritize bandwidth for gaming or streaming.
- Port Forwarding: Configure if you need external access to devices on your network .
- Firmware Update: Check for the latest firmware to ensure stability and security .

Step 6: Verify Connection

- Ensure the router's WAN/Internet light is on.
- Test internet access on a connected device.
- If issues persist, double-check PPPoE credentials and cable connections. By following these steps, your router should be successfully connected to China Unicom fiber optic internet using PPPoE, providing a stable and fast connection for your home or office .

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Router Manual Final

PPPoE (Point-to-Point Protocol Over Ethernet) A standard for incorporating the popular PPP protocol, widely used for dial-up Internet

Setting up a router with China Unicom fiber optic internet

Overview To set up your router for PPPoE, simply access your router's admin panel, navigate to the WAN settings, select PPPoE as

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