

Router shows no fiber optic connection



AI Overview

A router showing no fiber optic connection usually indicates a problem with the fiber cable, connectors, ONT, or router configuration.

Step 1: Check Physical Connections

Ensure that the fiber optic cable is securely connected to both the Optical Network Terminal (ONT) and the router. Inspect the cable for visible damage, sharp bends, or kinks, as these can disrupt the light signal. Also, check that the connectors are clean; dust or oil on the fiber endface can block the signal. Use a lint-free wipe and isopropyl alcohol or a fiber inspection microscope to clean the connectors if necessary .

Step 2: Verify ONT and Router Power

Confirm that the ONT and router are powered on and that the LED indicators show normal operation. A green light typically indicates proper function, while red or blinking lights may signal a Loss of Signal (LOS) or other issues. Power cycling both devices—turning them off, waiting 30 seconds, and turning them back on—can resolve temporary glitches .

Step 3: Test Router Configuration

Check your router's WAN settings. If your ISP uses a static IP, ensure the router is configured correctly with the assigned IP, gateway, and DNS. Some routers may default to dynamic IP detection, which can prevent connection if your ISP requires static settings. Verify that the MAC address is correctly registered if your ISP uses M...

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