

Why is my fiber optic router having no signal



Article Overview

A fiber optic router showing no signal is often caused by physical cable issues, faulty hardware, or configuration errors, and can usually be resolved through systematic inspection and testing.

Step 1: Inspect Physical Connections

Check all fiber optic cables for visible damage, sharp bends, or loose connectors. Even minor contamination or dust on connectors can block the optical signal. Clean connectors using lint-free wipes and isopropyl alcohol, and ensure all cables are securely connected to the router and any media converters or switches in the network .

Step 2: Verify Hardware Functionality

Examine the router, transceivers, and any switches for faults. Swap suspect transceivers with known-good units to rule out hardware failure. Look for a “LOS” (Loss of Signal) LED indicator on transceivers, which signals connectivity issues . Restart the router and any connected devices to clear temporary glitches .

Step 3: Test Signal Strength

Use a fiber power meter or an Optical Time-Domain Reflectometer (OTDR) to measure signal strength. Values outside the typical range of -15 dBm to -30 dBm m...

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Therefore, a special box, called an optical network terminal (ONT), has to be installed inside or outside your home. This terminal

Contact Us

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