

RIVO MULTITRADE OPTICAL SYSTEMS

How to unplug the interface of a fiber optic router



Overview

Build a home fiber network for 1-2 Gbps speeds with this complete guide to installation, troubleshooting, and performance.

Key Takeaways

To safely unplug a fiber optic router interface, power down the device, identify the connector type, and gently remove the cable along its axis while protecting the connectors from dust and damage.

Step-by-Step Instructions

1. Power Down the Router or ONT Disconnect the router or optical network terminal (ONT) from its electrical source. This ensures the fiber port is inactive and reduces the risk of exposure to infrared light signals, which can be harmful to the eyes .
2. Identify the Connector Type Most residential fiber connections use SC (Subscriber Connector) or LC (Lucent Connector) types. SC connectors are square and use a push-pull mechanism, often with a plastic locking tab. LC connectors are smaller and use a clip or latch that must be squeezed to release .
3. Prepare the Work Area Keep the area clean and free of dust or debris. Even microscopic particles can damage the glass tip of the fiber connector . Use an antistatic mat or wrist strap if handling transceivers in enterprise routers .
4. Remove the Cable

- Grip the connector body, not the cable itself, to avoid stressing the internal fibers .
- Pull gently and straight along the axis of the connector. Avoid twisting, wiggling, or applying lateral force .

- If the connector resists, stop immediately to prevent damage.
- 5. Protect the Connectors Immediately place rubber safety caps over both the router port and the end of the fiber cable to prevent contamination and dust ingress .
- 6. Cable Management Anchor the fiber cable to prevent it from hanging freely or bending sharply. Avoid exceeding the minimum bend radius, as this can damage the fiber and degrade signal quality .
- 7. Reconnection or Testing When reconnecting, ensure the connectors are clean and properly aligned. Conduct a quick test to verify signal integrity before returning the router to full service .

Additional Tips

- Work slowly and deliberately to avoid cracks or scratches on the fiber tip .
- Frequent plugging and unplugging can wear out connectors; consider using a short fiber extension to absorb wear .
- If connectors are stuck, damaged, or recessed, contact your ISP or a certified technician . Following these steps ensures safe removal of fiber optic cables while maintaining the integrity of both the router interface and the fiber itself.

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You can disconnect the cable by holding the end that connects to the router and pulling it then wiggling it out, if that doesn't work you

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