

RIVO MULTITRADE OPTICAL SYSTEMS

How to connect the fiber optic cable to the fiber optic port



Overview

The fiber-optic cable connecting the ONT to the entry point is glass, so it doesn't bend like copper cable.

Key Takeaways

To connect a fiber optic cable, plug it into the ONT's optical port, link the ONT to your router via Ethernet, and configure the router with your ISP credentials for full connectivity.

Step 1: Prepare Your Equipment

Ensure you have the following components:

- Fiber optic cable (typically SC/APC or SC/UPC connectors)
- Optical Network Terminal (ONT) provided by your ISP
- Fiber-ready router with a WAN or SFP port
- Ethernet cable to connect the ONT to the router

- Power adapters for both ONT and router

Step 2: Connect the Fiber Cable

- Locate the fiber wall outlet where your ISP's fiber line enters your home.
- Remove protective dust caps from both the fiber cable and the ONT port.

- Align the connector key or tab and insert the fiber cable into the ONT's optical port until it clicks securely. Handle the fiber by its plastic housing to avoid damage .

Step 3: Link ONT to Router

- Use an Ethernet cable to connect the ONT's LAN or GE1 port to the WAN port on your router.

- Ensure the router is fiber-compatible; some advanced setups may use an SFP or SFP+ module for multi-gigabit connections .

Step 4: Power On Devices

- Power on the ONT first and wait for the status lights to stabilize (usually 2-5 minutes).

- Power on the router and wait for its indicator lights to confirm a successful connection .

Step 5: Configure Router Settings

- Access the router's admin panel via a web browser (commonly 192.168.1.1 or 192.168.0.1).

- Enter your ISP-provided credentials if required.
- Enable optional settings like Quality of Service (QoS) for VoIP or video streaming.
- Update the router firmware to ensure optimal performance and security .

Step 6: Verify Connection

- Connect a device via Wi-Fi or Ethernet and check for internet access.
- Run a speed test to confirm fiber performance.
- If the connection fails, reboot the ONT and router or contact your ISP .

Best Practices

- Clean connectors before insertion to prevent signal loss.
- Avoid bending the fiber cable beyond its minimum bend radius.
- Secure excess cable with velcro straps to prevent tension or damage.
- Use dust caps when ports are not in use to maintain signal integrity . By following these steps, you ensure a reliable fiber optic connection with optimal speed and stability, while protecting the delicate fiber components from damage.

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