

How to connect a round fiber optic cable to a router



Article Overview

You typically connect a fiber optic cable to an Optical Network Terminal (ONT) first, then link the ONT to your router via Ethernet, unless your router has a dedicated fiber port.

Step 1: Check Equipment Compatibility

- Router: Ensure your router supports fiber input. Look for an SFP, PON, or WAN port labeled "Fiber" or "ONT". Most standard home routers do not accept fiber directly .
- ONT (Optical Network Terminal): Provided by your ISP, this device converts the optical signal into an electrical signal your router can use .
- Fiber Cable: Identify the connector type (commonly SC/APC, SC/UPC, or LC) and ensure it matches the ONT or router port .

Step 2: Prepare the Fiber Cable

- Remove any protective caps from both the fiber cable and the ONT/router port .
- Handle the cable by its plastic housing, avoiding contact with the glass tip to prevent damage or contamination .

Step 3: Connect the Fiber Cable

- Align the connector with the port using the key or tab on the connector.
- Gently push until it clicks into place, ensuring a secure connection

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As a result, connecting fiber optic cables to routers has become essential for maximizing network performance and

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This article will guide you through the necessary tools, materials, and methods on how to connect fiber optic cables

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Connect the fiber optic cable to the router: Carefully insert the end of the fiber optic cable into the corresponding port

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