

How to bridge a router with fiber optic cable



Article Overview

To bridge a fiber optic connection to your router, you must use an Optical Network Terminal (ONT) to convert the fiber signal to Ethernet, then connect it to your router's WAN port, optionally enabling bridge mode for direct routing.

Step 1: Understand the Role of the ONT

Fiber optic cables cannot connect directly to a standard router because the signal is optical, not electrical. The ONT provided by your ISP converts the incoming light signal into an Ethernet signal that your router can use. The ONT is typically installed near the fiber entry point in your home and contains an optical port for the fiber cable and Ethernet ports for connecting networking devices.

Step 2: Connect the Fiber Cable to the ONT

- Remove protective caps from both the fiber cable and the ONT port.
- Align the connector carefully using the key or tab and insert it until it clicks securely.
- Handle the fiber connector by its plastic housing to avoid damage or contamination.

Step 3: Link the ONT to Your Router

- Use a high-quality Ethernet cable (Cat6 or higher) to connect the ONT's LAN or Ethernet output port to your router's WAN/Internet port.
- Ensure both devices are near a power source and in a dry, ventilated area....

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An Optical Network Terminal (ONT) or Fiber Termination Box (FTB) is needed to bridge the fiber optic network and

Contact Us

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