

## The router s fiber optic light is blue



### Overview

Modem & Router Lights Explained | BroadbandSearchA blinking blue or purple WPS light means your router is in pairing mode — actively looking for a new devi.

### Key Takeaways

A solid blue light on a fiber optic router generally indicates that the router is powered on and successfully connected to the internet, while a blinking blue light usually means it is attempting to establish a connection. Meaning of the Blue Light

- Solid Blue Light: This typically means your router is powered on and has an active internet connection through the WAN port, indicating that your ISP connection is functioning properly .

- Blinking Blue Light: A blinking blue light usually indicates that the router is in the process of connecting to the internet or transferring data. Once the connection is established, the light should turn solid .

- Device-Specific Variations: Some routers may use blue lights for other functions, such as Bluetooth pairing or manufacturer-specific indicators, so it's important to check your router's manual if the behavior seems unusual .

Troubleshooting If Internet Is Not Working

Even if the blue light is solid, you might still experience connectivity issues. Common steps include:

- Restart the Router: Power cycle the router by turning it off, waiting 10–30 seconds, and turning it back on. This can resolve temporary glitches .

- **Check Fiber Connections:** Ensure the fiber optic cable is securely connected to the router and the Fiber Jack. A loose or dirty connector can cause intermittent issues .
- **Perform a Hard Reset:** If restarting doesn't help, a hard reset can clear the router's cache and refresh its settings, often restoring internet access .
- **Check ISP Status:** If all connections are correct and the router is functioning, the issue may be with your ISP or account status .

#### Additional Notes

- **LED Patterns:** Rapid blinking usually indicates active data transmission, while slow blinking may indicate the router is still initializing or attempting to connect .
- **Cable Color Coding:** On fiber routers, blue Ethernet cables often indicate Cat5e, which supports speeds up to 1 Gbps, suitable for most home networks . By understanding the blue light behavior and following these troubleshooting steps, you can determine whether your router is functioning normally or if further action is needed.

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