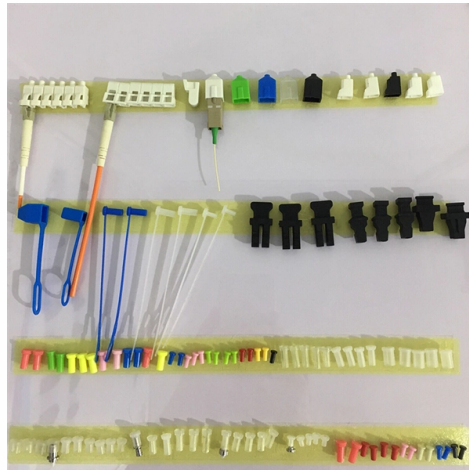


Should the router be placed in the fiber optic port or on the ground



Overview

A router on the floor sends most of its signal into the ground. Place it on a high shelf, bookcase, or wall mount at chest to head height (4-5 feet). Most routers with vertical antennas radiate in a horizontal donut shape, strong signal travels sideways, while the area directly above and below receives weaker coverage. But your home devices — like your laptop, smartphone and smart TV — can't interpret light signals. It converts those light signals into the digital data your devices can. It receives data from your ISP through a physical connection, such as a coaxial cable or fiber optic cable, and converts it into a digital signal that your devices can understand. In essence, the modem acts as a translator, allowing your devices to communicate with the internet. Where should you put your router?

The absolute best place to put your router is both directly next to your master socket or optical network terminal (ONT) and directly next to the system that you want to connect. Here's the quick answer: Place your router in a central, unobstructed location.



Article Content

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Never place computing devices on the ground, even your router. When sitting on the floor, they can overheat and be exposed to static shock, which can fry the components inside.

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How to find the best place for your WiFi router

Placing your router on a high shelf or mounting it on a wall can provide a better signal and is the safest place for a WiFi router in your home, much better than leaving it on the floor.

Science-Backed Rules for Proper Router Placement

This article breaks down scientifically validated rules for optimal router positioning, supported by engineering data, peer-reviewed studies, and practical deployment experience.

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