

Positioning of Your Wireless Router

A Wireless router lets you access your network from virtually anywhere within the operating range of your wireless network. However, the operating distance or range of your wireless connection can vary significantly depending on the physical placement of your router. For example, the thickness and number of walls the wireless signal passes through can limit the range. For best results, place your router:

- Near the center of the area where your computers and other devices operate, and preferably within line of sight to your wireless devices.
- So it is accessible to an AC power outlet and near Ethernet cables for wired computers.
- In an elevated location such as a high shelf, keeping the number of walls and ceilings between the router and your other devices to a minimum.
- Away from electrical devices that are potential sources of interference. Equipment that might cause interference includes ceiling fans, home security systems, microwaves, computers, the base of a cordless phone, or a 2.4 GHz cordless phone.
- Away from any large metal surfaces, such as a solid metal door or aluminum studs. Large expanses of other materials such as glass, insulated walls, fish tanks, mirrors, brick, and concrete can also affect your wireless signal.

Interference Reduction Table

The following table shows the recommended minimum distance between the router and household appliances to reduce interference (in feet and meters).

Household Appliance Recommended Minimum Distance

(in feet and meters)

Microwave ovens 30 feet / 9 meters

Baby Monitor - Analog 20 feet / 6 meters

Baby Monitor - Digital 40 feet / 12 meters

Cordless phone - Analog 20 feet / 6 meters

Cordless phone - Digital 30 feet / 9 meters

*The above is intended for informational purposes only. Your results will vary.