D-Link



360° Coverage for Optimal Connectivity

Whole Home Mesh Wi-Fi Network

Life isn't always easy, but at least your Wi-Fi can be. If you're struggling with poor Wi-Fi coverage and performance, it's time to upgrade to a next-generation Mesh Wi-Fi System that includes a Mesh Router and several satellites. But how do you set up your new Mesh Wi-Fi System to ensure optimal performance? This guide provides tips to help you enjoy an uninterrupted, fast and reliable Wi-Fi experience.

How Many Mesh Nodes Do You Need?

To blanket your entire home with Wi-Fi, the number of mesh nodes needed depends on your home's situation. Too few nodes, and you'll have weak coverage. Too many nodes, and you'll end up with congestion, causing your devices to struggle to select the best-performing node. Here are some points to consider.

Home Construction Material

Different materials used in home construction can affect Wi-Fi signal broadcast from your Mesh Router. Interference such as thick brick, concrete walls, old plaster walls with metal lathe can affect Wi-Fi performance. To maximise your Wi-Fi coverage, ensure no obstacles (visible or hidden in walls) are present between the node and the router. Keep the distance between the primary and additional Wi-Fi points a maximum of two walls apart.





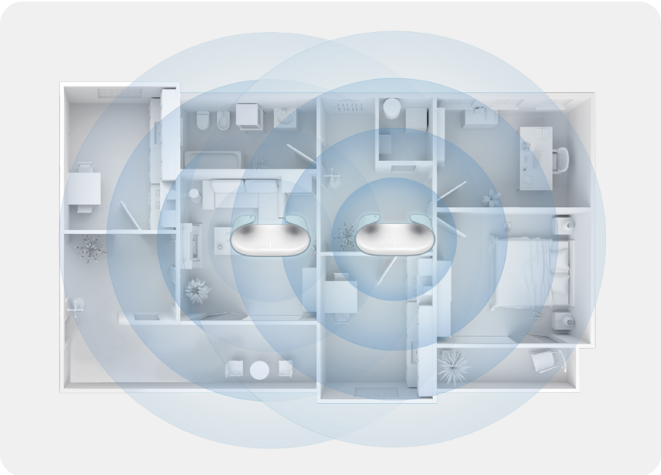
Layout of Home Floorplan

The layout of your home can impact the number of nodes needed for optimal mesh Wi-Fi coverage. Consider the following examples for suggested placement:

Square Shape



Rectangle Shape



Move your Mesh Router to a central location within your home. This allows for more effective placement of additional nodes, resulting in better whole-house coverage.

Two-Story House

Place the Mesh Router and additional satellite on different floors, placing them near the stairs.



Three-Story House

Place the Mesh Router on the middle floor. Add one additional satellite on each of the other floors, keeping the devices as close as possible to the stairs.



Home Size

Here are coverage recommendations based on the AQUILA PRO AI Mesh Wi-Fi System. If you follow all the tips provided and still experience coverage issues in certain areas of your home, consider adding one or more additional mesh nodes to ensure complete coverage for your entire home.

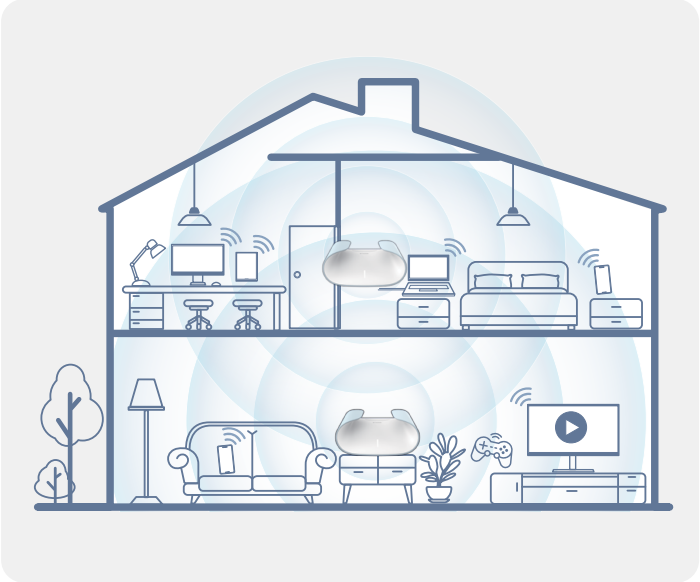
Device	Coverage
M30 (Single Unit)	260 (sqm)
M30 (2-Pack)	465 (sqm)
M30 (3-Pack)	650 (sqm)
M60 (Single Unit)	280 (sqm)
M60 (2-Pack)	510 (sqm)
M60 (3-Pack)	740 (sqm)

Where to Place Mesh Router and Nodes?

Identify high-traffic areas in your home and place the mesh router close to where most of the activity occurs. Here are some checklist items to help you select the best locations for your Mesh Wi-Fi System:

Overlap Mesh Node Coverage

Place mesh nodes with just enough overlap between the router and areas with weak signals. This ensures minimal interference and a strong signal.



Line of Sight, Avoid Radio Wave Blockers

Avoid placing nodes near appliances, fish tanks, bookcases filled with books, or other metal and high-density objects that block radio waves. Also try and stay clear of microwaves, cordless phones and other appliances that transmit radio waves as they may cause interference. The more open the placement and direct line of sight between nodes, the better the performance.

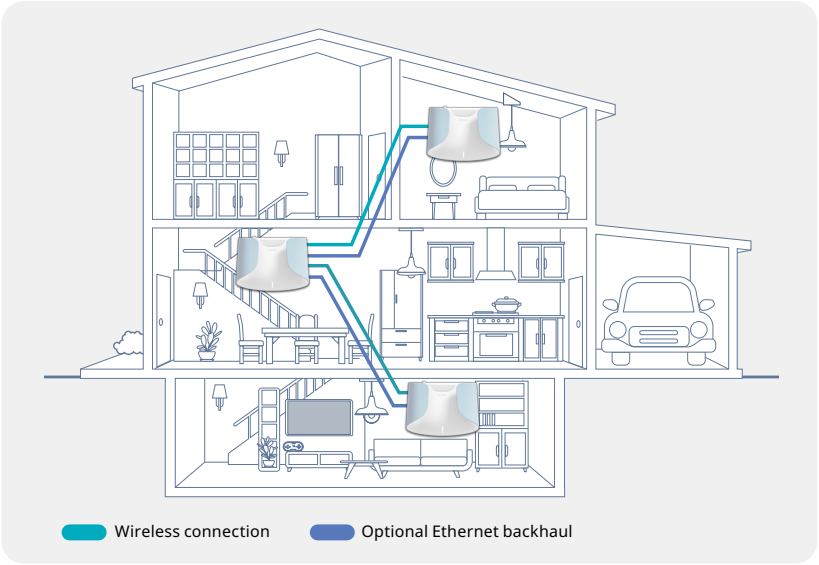




Utilise Mesh Node Ethernet Ports

Improve your Wi-Fi experience by connecting devices directly to the mesh nodes via Gigabit Ethernet. Wired backhauls offload inter-node communication, enhancing stability, low latency, high-speed data transfer, and security.





If you have the option to connect your mesh nodes via Ethernet backhaul, you will find a significant boost in the network performance.

Ready for Smart Wi-Fi?

Mesh Wi-Fi Systems have gained popularity due to their focus on ease of use, quick and simple installation, and seamless home Wi-Fi coverage. With the tips provided above, you can say goodbye to Wi-Fi worries and enjoy glorious, strong Wi-Fi throughout your home. Are you ready to experience the smart life with smart Wi-Fi? Explore the D-Link AQUILA PRO AI Wi-Fi 6 Mesh System now!

Get Started

D-Link®

For more information on how D-Link can help you connect your Whole Home Mesh Wi-Fi Network, please visit www.dlink.com.au or www.dlink.co.nz or contact your local D-Link sales representative.