Garden Room

Router Guide

Garden Room Router and Internet Connection Guide

What We Provide

As part of your garden room installation, we include a hard wired data connection from your main house to the garden room using a CAT 6 Ethernet cable. This cable runs from the property to the garden room and terminates at a single point inside the building. If your garden room includes more than one internal space, the data feed will still arrive at one central location.

Any additional internal distribution within the garden room, such as running connections to other rooms, is the client's responsibility unless this has been specifically agreed in advance.
CAT 6 cabling supports gigabit speeds and is well suited to typical uses such as home offices, video calls, streaming, and general business activity, subject to the speed of your existing broadband package.

Recommended Linksys models for garden rooms

Each link goes to the official Linksys support page for that model

MX4200
Primary capable tri band WiFi 6 node.

MX5300
High performance WiFi 6 node for larger garden offices.

MX5500 series
Modern WiFi 6 system suitable for wired backhaul to outbuildings.

MX8500 series
High performance WiFi 6E system for maximum range in large garden rooms.

What You Need to Add

We do not supply the router or WiFi system itself. To create a wireless network inside the garden room, you will need to connect a suitable router, access point, or mesh node to the CAT 6 provided.

One option that many of our customers have used successfully is the Linksys Velop MX4200 mesh system.

Feedback has generally been very positive, with customers reporting straightforward setup, quick synchronisation with their existing home network, and stable performance within the garden room.

You can view it here

Linksys Velop MX4200 (Amazon)

Recommended Setup for Best Performance

Rest assured that the hard wired connection has been tested from the main house to the garden building, this is part of our testing and sign-off procedure.

However you can check this by using a network cable directly into the router in the main house to ascertain that a device is connected, then repeat this in the garden room by plugging the network cable directly into the cat 6 port on the wall.
With these steps confirmed you can be sure it is a set up issue with the router in the garden room as this needs to sync with your home network.

Pre requisite check to confirm the wired network path is working

Step 1
Take a laptop and an ethernet cable that you know is working. Connect the laptop directly into one of the LAN ports on the existing house router.

Step 2
Confirm that the laptop receives internet access. Open a browser and load a website to verify the connection.

Step 3
Unplug the same ethernet lead from the house router and take the laptop to the garden building.

Step 4
Plug that same ethernet lead into the cat6 wall port inside the garden building.

Step 5
Check the laptop again for an internet connection. If the laptop loads a website normally, this confirms that the cat6 link between the house and the garden building is active and working.

Step 6
If the laptop does not receive internet access, return to the house and check the following.

- The cat6 cable is connected from the house router LAN port into the correct cat6 termination point that feeds the garden building.
- If you have a switch in the path, make sure it is powered and connected to the correct ports.
- Confirm that all patch leads are firmly clicked in at both ends.

Result
If the laptop has internet access in both locations, you have confirmed that the hard wired path is functioning

Linksys Setup Guide

Step 1
Place the Linksys primary node next to your existing router.

Step 2
Connect it to your router with an ethernet cable and complete setup using the Linksys app.

Step 3
After the system is running, open the Linksys app and enable Bridge Mode.

Step 4
Power down the node and unplug the ethernet cable.

Step 5
Move the node to the garden building and connect it to the tested cat6 outlet.
This cable must run directly back to the main router or to a switch that is connected to the main router.

Step 6
Power the node back on. It will come online and behave exactly as a wired access point.

Important notes

- You must set it up next to the router first.
- The initial setup rarely works through a remote wired point.
- Bridge Mode is essential when your main router comes from another brand.
- Once in Bridge Mode, the primary node will broadcast wifi normally, and you can add other Linksys nodes later if needed.
- You can also connect devices into the ethernet port on the node in the garden building if you want wired devices out there.

The Linksys Velop MX4200 is a primary router

The Linksys Velop MX4200 is a full primary node. It can work as:

- the main router that creates the network, or
- the main access point in Bridge Mode behind another brand router, or
- a primary node that allows you to add child nodes later.

It is not a child only unit. It has full software and full setup capability.

What this means for a setup in the garden building

Because the MX4200 is a primary node, you can do the following:

Option one

Use it as the main unit that you first connect to your house router during setup.
After setup, place it in Bridge Mode.
Then move it to the garden building and connect it to the live cat6 port.

Option two

Use it as the main router if you ever decide to replace the existing house router.

If You Have Multiple Rooms in the Garden Room

If your garden room contains multiple internal rooms, you may wish to distribute the incoming data connection further within the space.

This can be done by installing a small network switch to provide additional wired connections, adding further access points, or using additional mesh nodes depending on how the rooms will be used.

For example, some clients choose to create separate areas for an office, gym, or meeting space, each with its own connectivity requirements.

In the Rare Case of Setup Issues

In most cases, mesh systems such as the Velop integrate smoothly with existing home routers. On the rare occasion that configuration issues arise, for example if your existing router has restrictions or there are IP or DHCP conflicts, we can recommend an independent IT specialist who has previously assisted our clients.

Important Notes

Broadband speed within the garden room will always depend on the internet package provided to the main house.

Our installation covers the physical CAT 6 data connection between the house and the garden room only.

Router configuration, WiFi equipment, and internal network setup are not included unless specifically agreed.

If you are unsure about the best equipment to purchase or how to configure your network, it may be helpful to speak with your broadband provider or an IT professional before purchasing hardware.

INFRAME
GARDEN ROOMS

If you have any queries about your doors please contact our support team.

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