

How to make your broadband go faster

So you've checked scotlandsuperfast.com and found that your home or business is in scope to receive faster broadband as part of the Scottish Government's Reaching 100% (R100) broadband programme, but want to know how you can improve your speeds in the meantime? Here are some ways that you can improve your internet speeds:

Check your current set-up

Make sure your router has the best set-up; think sockets, positioning and cables



Check if other electrical devices are interfering with your signal



Connect your device via an ethernet cable, it can transfer data more quickly than Wi-Fi



A wireless booster could extend your signal



Disconnect other devices from Wi-Fi that you're not using



Declutter your computer and check if everything is up-to-date



Check if your router firmware needs updating



Check other technology options available at your address

Fixed Wireless Access (FWA) broadband

FWA broadband is an outdoor wireless network, that ranges from a few hundred metres to many kilometres. In Scotland, FWA generally covers areas that are within set distances and line of sight of radio masts and can provide high quality fast connections.



Fixed Wireless Access (FWA) broadband using 4G or 5G

4G or 5G FWA provides internet connectivity by using one of the UK's mobile networks. With 'fixed mobile' a special Wi-Fi router is installed with a mobile SIM card and connected by cable to an external aerial.



If you live close to a mast and already receive a strong mobile signal, there may be alternative methods for you to improve your broadband connection. Speak to your mobile phone company to see if they can offer you a router or antenna that can provide a mobile and broadband connection.

Satellite broadband

A dish or antenna on your property will connect to a satellite in space. It works without the need for any other connections, such as a fixed telephone line. There are two sorts of satellite services available – **Geostationary (GSO)** and **Low Earth Orbit (LEO)**.

GSO is offered by a number of operators across much of Scotland and while it covers large areas it can take time for the signal to travel to the satellite and back (the latency), which means that some multi-player gaming applications could be impacted, for example. LEO satellite broadband is relatively new and is similar to fixed broadband services in terms of the speeds, latency and data available.

