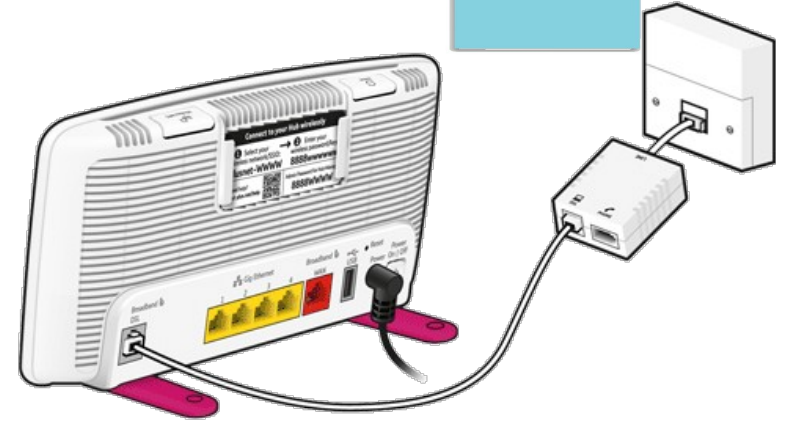
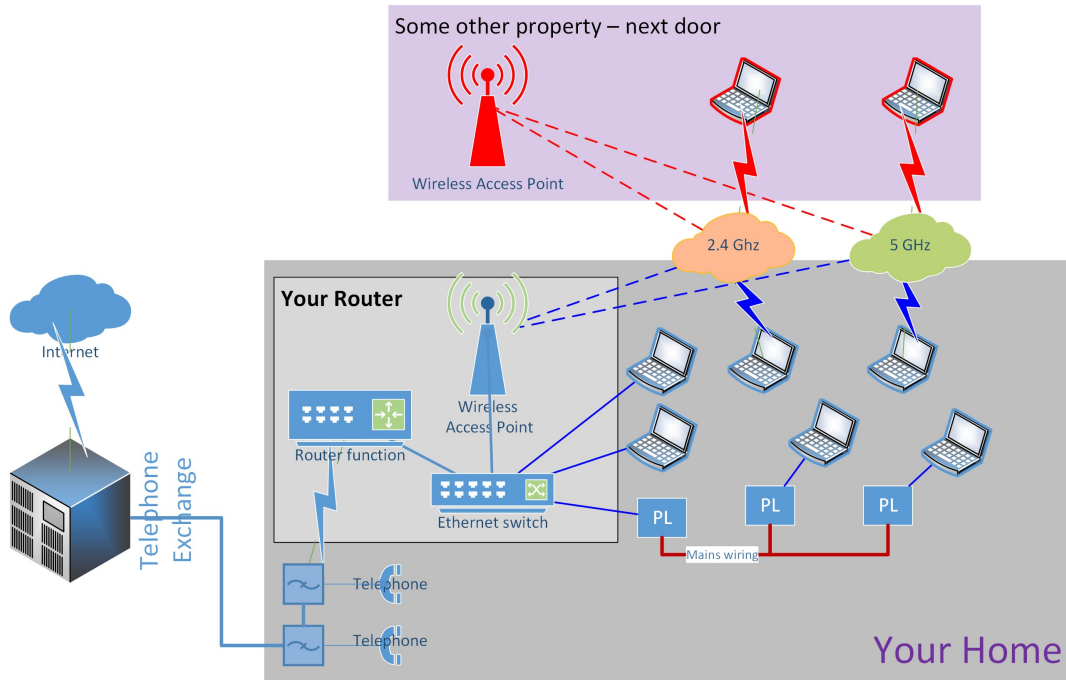




Home networks

John Steele

Your home network



Useful programs

- Acrylic - List WiFi networks in range
 - <https://www.acrylicwifi.com/en/wlan-software/wlan-scanner-acrylic-wifi-free/>
- Ookla – comprehensive performance checker
 - <https://www.speedtest.net/>
- Some command line Powershell Commands
 - ipconfig or ipconfig /all – local computer network configuration
 - Tracert <url or ip address> - route to target address
 - Route print - local routing table

Expert tools

- Nmap – comprehensive local diagnostic tool
 - Lists all devices on network
 - Lists all ports in use in network
 - Many more
- Wireshark
 - A detailed network analyser – needs expertise to use for fault investigation
 - Can be a good tool to learn about networking

Your Router

- Has many configuration options
 - Don't tweak unless you know what you are doing or have taken advice
- Check its version number and that it is up to date
 - Plusnet have a forum which is monitored by their team and contributed by many other experts
 - Discovered a bug in my router this way and it was fixed by Plusnet via a request on this forum (5 Ghz performance was abysmal)