The Vox Guide to Wi-Fi at home

Tailored to suit your needs
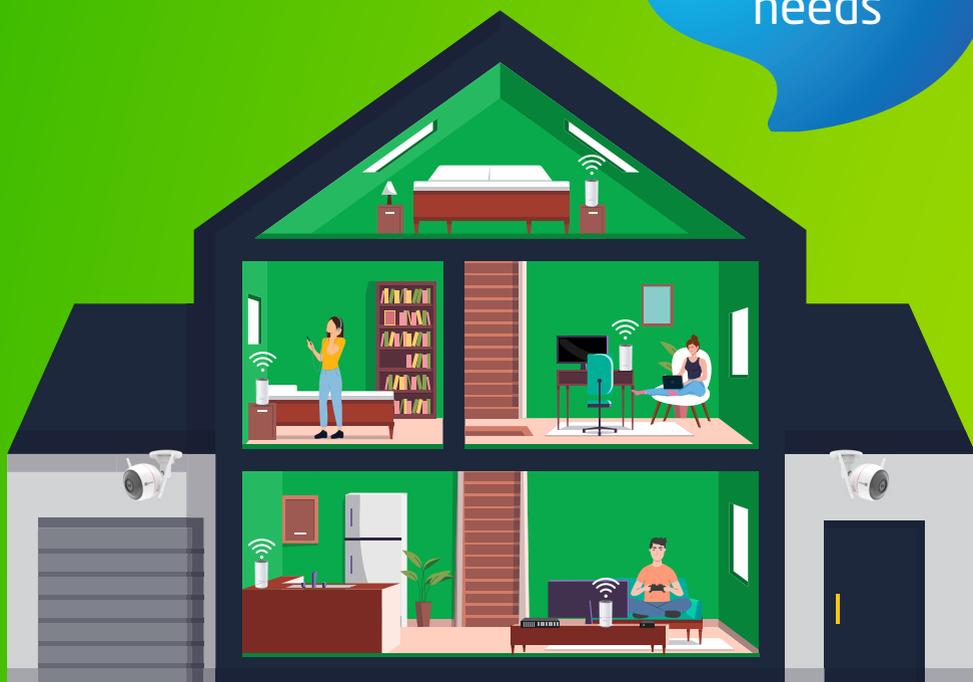
VOX® Wi-Fi

Wi-Fi, as an enabler, carries most of the Internet traffic in a connected home.

We all prefer to use Wi-Fi due to its consistency, convenience and agility. That said, there's more to creating a stable Wi-Fi network than just plugging a router in and hoping for the best – especially with the number of connected devices we have rapidly increasing. Outlined below are a few home Wi-Fi essentials we feel everyone should know.

A resilient Wi-Fi network comes down to:

- **Connectivity**

The type of Internet solution you choose will have an enormous impact on your Wi-Fi experience. This is dependent on the type of Internet service available to you in the area you live in. Fibre-to-the-Home (FTTH) is rapidly becoming the preferred option, followed by Fixed LTE-A or 5G and Wireless. It's also always a good idea to have more than one connectivity solution available to you to ensure resilience and high uptime, especially when working from home.

- **Planning**

There are several factors that can impact the quality of your Wi-Fi network, and these include:

The size of your home	Desired coverage within your home	The number of connected devices in your home	Speed required for these devices	Capacity access points (APs)

Device positioning in the home	Device priority	Bandwidth requirements	Monthly bandwidth allocation	Impact on the connectivity type (i.e. Fibre vs LTE-A)

- **Network installation**

This includes the position of your APs, adding cabling where necessary and the location of uninterrupted power supplies (UPS) to power up critical devices during load shedding.

- **Control measures**

It's essential to consider security software, parental control and monitoring features and as well as online support from our service centre when setting up your Wi-Fi network.

Your Wi-Fi enemies include:

- **Outdated or incorrect hardware** - this may result in expensive replacements or increased frustration due to regular Wi-Fi connection problems.

- **Poor Wi-Fi design** - it's always advisable, more efficient and cost-effective to get the design right in the first place, rather than spend extra time and money re-engineering your network once problems arise.

- **Incorrect router/AP placement** - this may result in a slower network throughput as the signal usually has to be transmitted through a lot of mediums (i.e. walls, cabinets, windows).

- **Interference** - usually the result of other devices in the home, including microwaves, TVs, Bluetooth devices and baby monitors.

- **Increasing capacity and a failure to account for it** - a high number of devices connected to a Wi-Fi network may cause congestion and slow down the Internet speeds, resulting in limited bandwidth to each device.

- **Forgetting to include a security solution** - this leaves your Wi-Fi network vulnerable and at risk of being hacked.

- **Materials present in the home** - concrete, drywalling, glass, wood, fish tanks and mirrors are some of the biggest culprits of Wi-Fi signal loss.

Your Wi-Fi Success Checklist:

☐ Choose the best Internet solution to meet your needs

☐ Plan carefully, taking the number of connected devices and your bandwidth allocation into consideration

☐ Set-up your network by placing your router and APs in places with the least amount of interference

☐ Keep your network safe by adding a security solution

Why Vox Wi-Fi Home?

We offer a range of customisable solutions and best of breed technology to meet your Wi-Fi network needs at any stage, with our years of experience and expertise ensuring you'll enjoy the best home Wi-Fi experience possible.

Your Vox Wi-Fi Home Solution Checklist:

Choose Vox Wi-Fi Home Standard if:

☐ Your home is smaller than 150 square metres

☐ Your home is a single storey building

☐ You have no more than 20 connected devices

☐ Your home is made from brick not concrete

☐ You don't experience any Wi-Fi dead zones in your home

Choose Vox Wi-Fi Home Mesh if:

☐ Your home is larger than 150 square metres

☐ Your home is double storey

☐ You'd like to add more users/connected devices to your network

☐ You require more comprehensive Wi-Fi coverage in your home

☐ The design and construction of your home requires multiple access points to achieve the desired coverage

☐ You would like to connect seamlessly throughout the Wi-Fi coverage area

Choose Vox Wi-Fi Home Executive if:

☐ Your home is 250 square metres or more in size

☐ Your home has multiple storeys

☐ You have an assortment of different devices requiring Wi-Fi access, including critical ones like security cameras

☐ Your home is made from concrete and features a lot of wood and glass

☐ You work from home and can't afford to experience any downtime

☐ You want a professionally scoped and designed Wi-Fi solution to ensure all your requirements are met

☐ You want a managed Wi-Fi solution to ensure hassle-free Wi-Fi connectivity in your home