

# 5 serious limitations when having too many smart home devices

The smart home lifestyle is appealing due to its convenience and ease of use. However, certain special problems can arise when there are too many smart devices controlling your home.

Some of these devices are mandatory while others are not so necessary. Let's look at the limitations of an excess of smart home devices!

## 1. Connecting multiple devices to one Wi-Fi network can cause congestion



Network congestion is the first problem that can be encountered in a house with too many smart home devices. Connecting multiple smart home and personal devices to the same router can lead to sudden disconnections, slow Internet speeds, and system errors.

Technically, a wireless router can support up to 250 connected devices, but most free ISP routers have a device limit of less than 50. If you are using a router provided for free by your ISP, you may experience connection failures and sudden terminations when you get close to that number.

There are many different ways to overcome wireless network congestion, but it is easier and more effective to reduce the number of smart home devices running in the home.

## 2. Some smart home devices will not be used for months

Too many smart home devices can create a situation where some devices go unused for long periods of time, mainly because they are not much more convenient to use than the manual method. This often happens with automations that are implemented for the fun factor and not for a specific purpose.

When setting up a smart home, it's important to ensure that each automation directly addresses a specific, frequently occurring problem or situation. If you have smart home devices that are not currently being used, you can sell them or donate them to charity.

## 3. Too many smart home devices can increase electricity and Internet bills



It's important to consider the ongoing costs of running a smart home, especially when there are multiple smart devices running. With the exception of smart thermostats and sprinklers, many of these devices increase energy consumption because they are always on, always connected, and power hungry by design.

Fortunately, smart home energy consumption can be minimized by purchasing energy-efficient smart devices (look for the Energy Star label), choosing Zigbee and Z-Wave devices over Wi-Fi, and Use renewable energy sources when possible.

## 4. Internet-connected smart home devices are a security risk

There is a misconception that smart homes are safer. Having so many smart devices in your home means there are more potential entry points for bad actors. These devices are designed primarily for ease of use, sometimes with little emphasis on security features.

While there are several ways to ensure that your home network is safe from hackers and cybercriminals, devices from unknown brands should be avoided. One infected smart device is all it takes to expose your entire home network and put you at risk.

## 5. A smart home with too many devices can be difficult to troubleshoot and manage



Smart home devices need to be controlled from somewhere. They often have different applications and platforms to manage, and making all of these technologies work together can be difficult. But, what if something breaks later? You must fix it without affecting any other devices.

Smart home devices are incredibly convenient to use, and setting up a smart home from scratch can be a lot of fun. With the right planning and investment, you can set up a robust and scalable home automation system that functions properly and requires little maintenance. However, managing and bringing a series of smart home devices into a system with the aim of reducing complexity can be a difficult problem.

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