

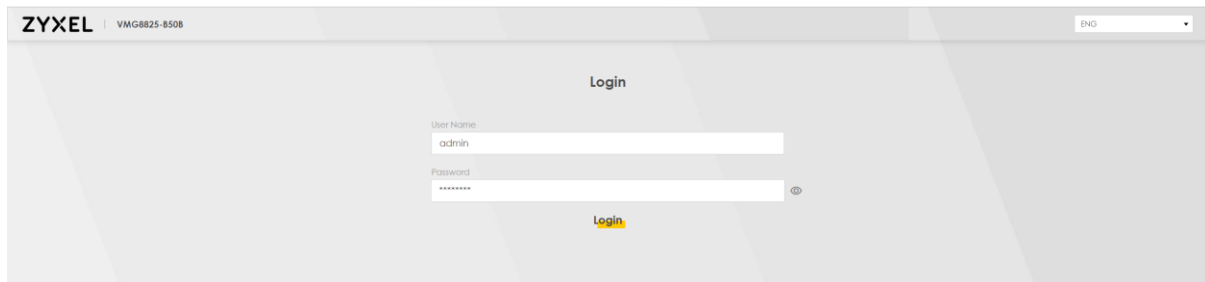
Zyxel Quick Guide

Logging in

To access the web interface on a Zyxel router first open a web browser on a device that is connected to the router. Within the address bar at the top type: 192.168.1.1 and press enter.

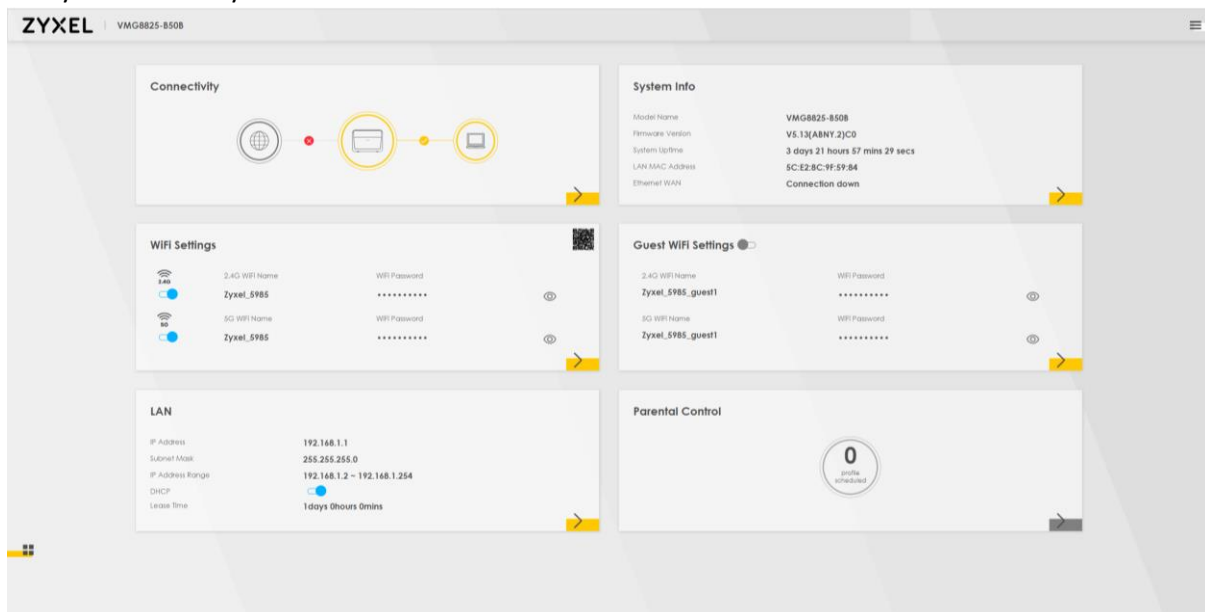
You will be brought to the Login page for the router

The login information will be on the card on the back of your router, username will be admin followed by an 8-character login password. Note that this is case sensitive.



On the first-time logging in you will be asked to change these settings if you wish, but you can skip this step if you want to keep it simple.

After a successful login you will be brought to the router dashboard where you can easily access many functions of your router.



Connectivity

Within this tab you are able to see a list of devices that are connected to your router and some information about them.

Connectivity

WIFI 1 | Wired 0

DESKTOP-SSUSPD2
 IP: 192.168.1.98
 Mac: c0:4a:00:11:ae:86
 Band: Wi-Fi 2.4GHz

System Info

Within this tab you are able to see some detailed information regarding your router including the uptime, connected interfaces and Wi-Fi information

System Info

Host Name: VMG8825-B50B
 Model Name: VMG8825-B50B
 Serial number: S182V16003364
 Firmware Version: V5.13(ABNY.2)C0
 System Uptime: 3 days 23 hours 26 mins 49 secs

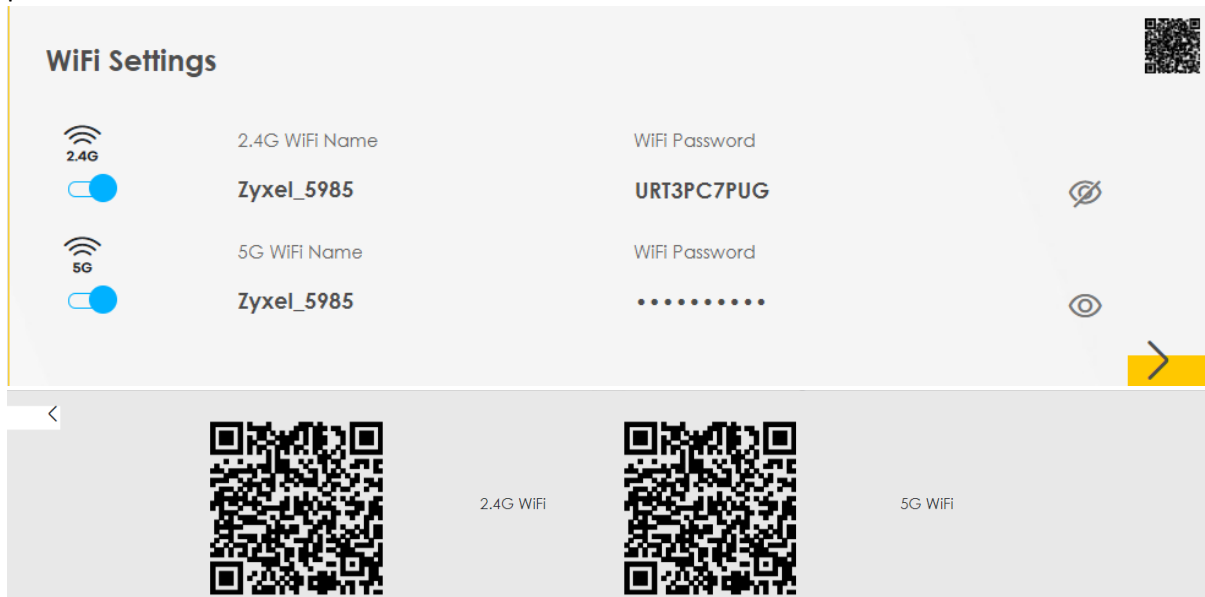
Interface Status

LAN1 LAN2 LAN3 LAN4 WAN DSL 3G(USB) WLAN 2.4G WLAN 5G
 - - - - 1000M/Full - No Device 216 Mbps 1733 Mbps

WAN Information (Ethernet WAN)		WLAN Information	
		2.4GHz	5GHz
Name	Management	MAC Address	5C:E2:8C:9F:59:85
Encapsulation	IPoE	Status	On
IP Address	10.24.72.76	SSID	ZyxeI_5985
	Release	Channel	48
IP Subnet Mask	255.255.255.0	Security	WPA2-Personal
MAC Address	5C:E2:8C:9F:59:88	802.11 Mode	802.11b/g/n Mixed
Primary DNS server	5.83.8.6	WPS	On
Secondary DNS server	5.83.8.10		
<hr/>			
Name	Global		
Encapsulation	IPoE		
IP Address	N/A		
	Renew		
IP Subnet Mask	N/A		
MAC Address	5C:E2:8C:9F:59:89		
Primary DNS server	N/A		
Secondary DNS server	N/A		
<hr/>			
Name	test		
Encapsulation	Bridge		
MAC Address	5C:E2:8C:9F:59:87		

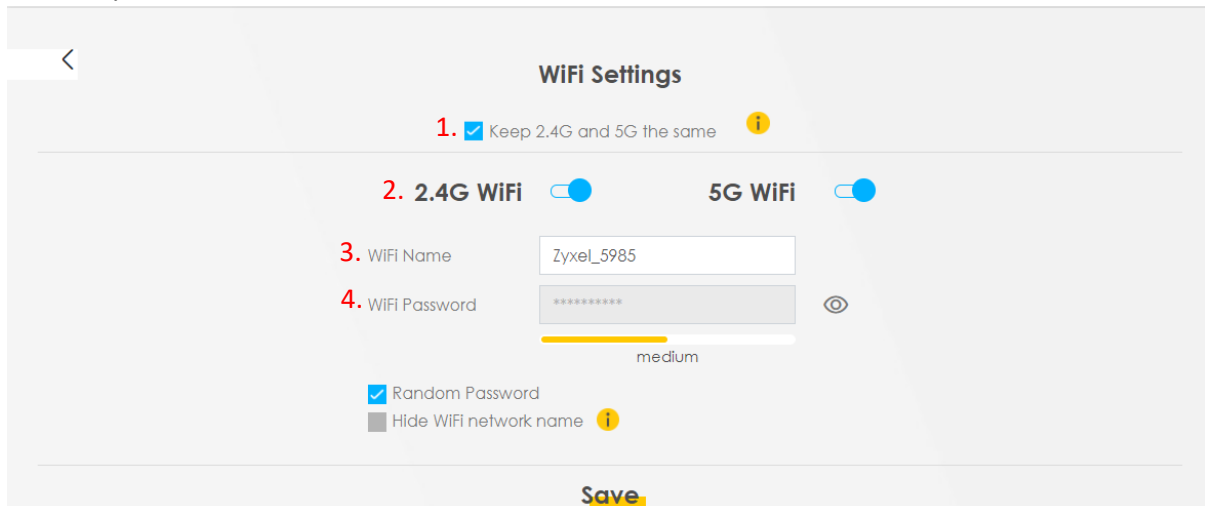
Wi-Fi Settings

From the main page you can quickly enable/disable the two bands of Wi-Fi, view the Wi-Fi passwords and view the QR code for the Wi-Fi.



The QR code can be printed off and used by capable devices to quickly connect to the Wi-Fi with a camera.

Within the tab you can view and change your Wi-Fi settings relating to connecting to the device wirelessly



Here you can:

1. Separate the two bands of Wi-Fi
2. Disable either or both the bands of Wi-Fi
3. Change the SSID (Wi-Fi Name)
4. Change the Wi-Fi Password (Must uncheck random password first)

The screenshot shows the 'WiFi Settings' interface. At the top, there is a back arrow and the title 'WiFi Settings'. Below the title, there is a checkbox labeled 'Keep 2.4G and 5G the same' which is unchecked. Underneath, there are two toggle switches: '2.4G WiFi' which is turned off, and '5G WiFi' which is turned on. Below these are two input fields: 'WiFi Name' with the text 'Zyxel User guide' and 'WiFi Password' with the text 'Example_password1'. A strength indicator below the password field shows a green bar and the word 'strong'. At the bottom, there are two checkboxes: 'Random Password' (unchecked) and 'Hide WiFi network name' (checked). A 'Save' button is located at the very bottom.

Upon separating the Wi-Fi bands, you can then go back and change the settings separately

This screenshot shows the 'WiFi Settings' interface with the 'Keep 2.4G and 5G the same' checkbox checked. The settings are now separated into two columns. The left column is for '2.4G WiFi' (toggled on) and shows a 'WiFi Name' of 'Zyxel User guide 2.4Ghz' and a 'WiFi Password' of '2.4G pass' with a 'strong' strength indicator. The right column is for '5G WiFi' (toggled on) and shows a 'WiFi Name' of 'Zyxel User guide 5GHz' and a 'WiFi Password' of '5G pass' with a 'medium' strength indicator. Both columns have 'Random Password' (unchecked) and 'Hide WiFi network name' (checked) options. A 'Save' button is at the bottom.

Wi-Fi Bands

There are two different bandwidths of Wi-Fi; 2.4GHz and 5GHz. In a nutshell the 2.4GHz is a slower band but its range extends much further whereas the 5GHz is capable of higher speeds but will not reach as far. Please note that some older devices are unable to connect on the 5GHz band.

The Wi-Fi can also be disabled/enabled by pressing the top button on the left side of the router



Guest Wi-Fi Settings

WiFi

WiFi Name: Zyxel_5985_guest1

WiFi Password: *****

medium

Random Password

Hide WiFi network name ⓘ

Save

The settings within the guest Wi-Fi tab are essentially the same as the ordinary Wi-Fi

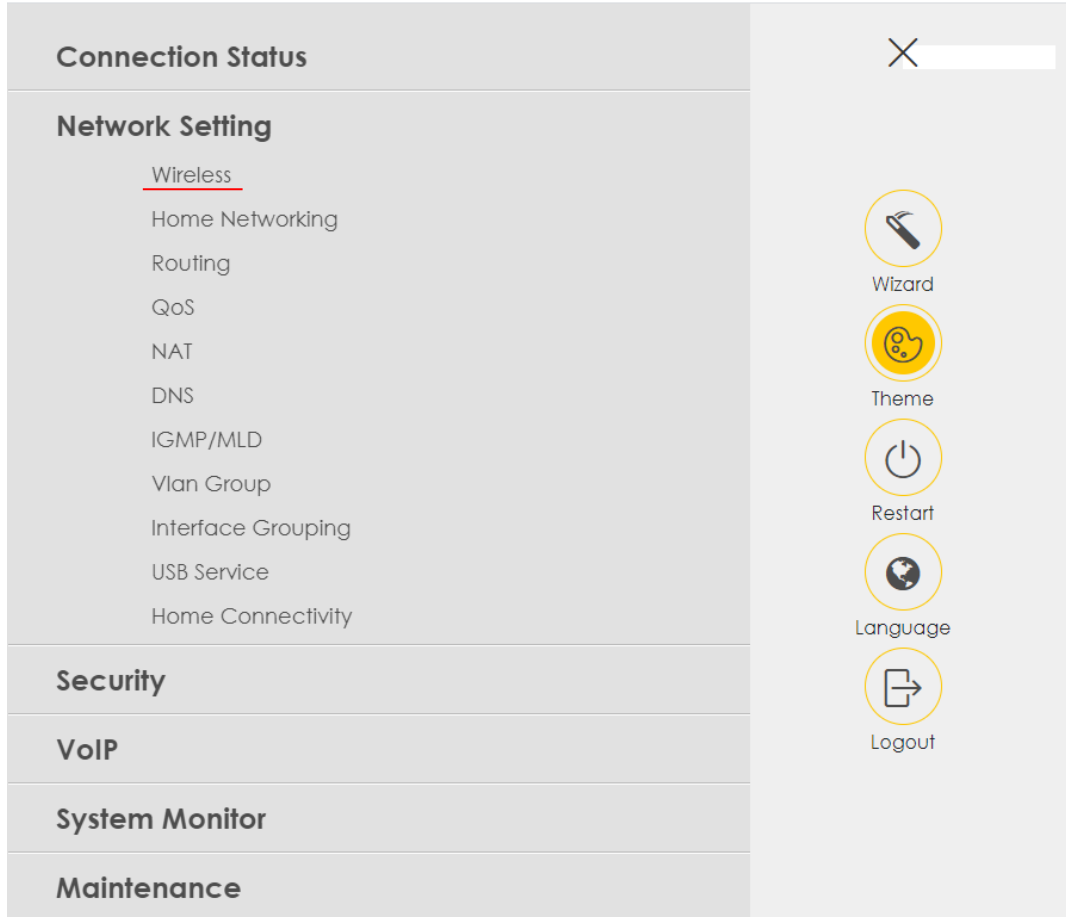
Having guest Wi-Fi enabled creates a separate Wi-Fi for your guests to connect to, this is secure as devices connected on your guest Wi-Fi won't be able to see devices connected to your primary Wi-Fi and you can give out a separate password to your guests. For example, if you have a printer connected to your Wi-Fi then a device connected on the guest Wi-Fi will be unable to connect to it and print.

If you have any difficulties finding or editing the settings you want then please contact the helpdesk on 01524 238499 or helpdesk@b4rn.org.uk

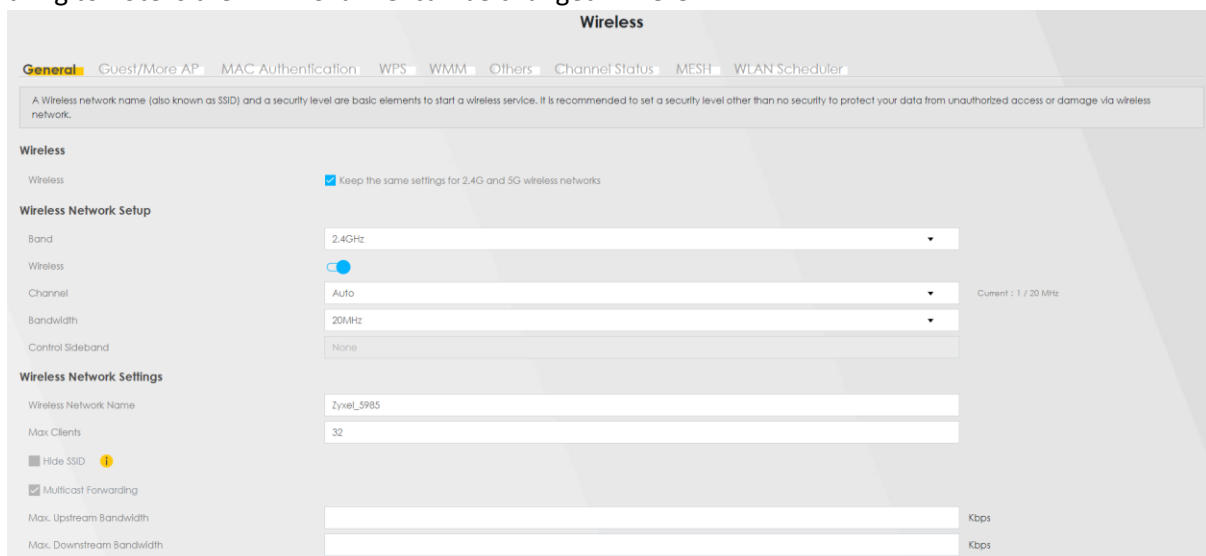
Advanced Settings

Wireless

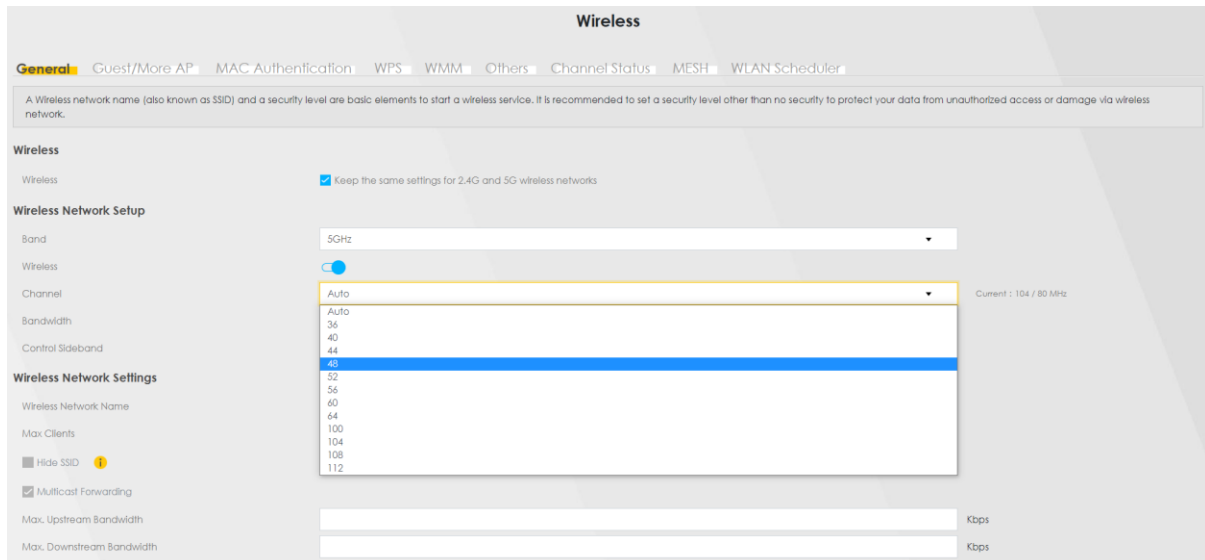
To access some more advanced settings of changing the wireless connectivity click on the menu icon in the top right of the interface to bring up the side menu then navigate to Network Setting and Wireless



In here we can see some more advanced settings that some users may want to change, the primary thing to note is the Wi-Fi Channel can be changed in here.



Earlier on in the guide you may have noticed the 5GHz band of Wi-Fi was on Channel 104, this is quite a high channel that some devices have trouble connecting to and may cause issues in connectivity. To fix this select the dropdown menu next to “Band” and select 5GHz, then underneath select the “Channel” dropdown and choose a more suitable channel.

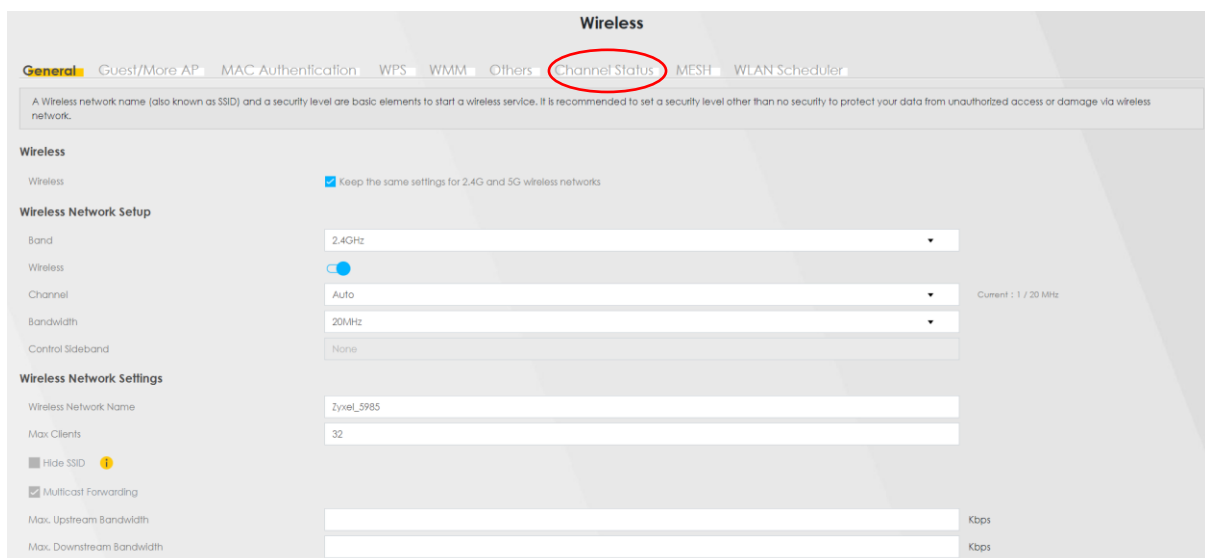


Generally, when talking 5GHz we want to select one of the following Channels: 36, 40, 44 or 48.

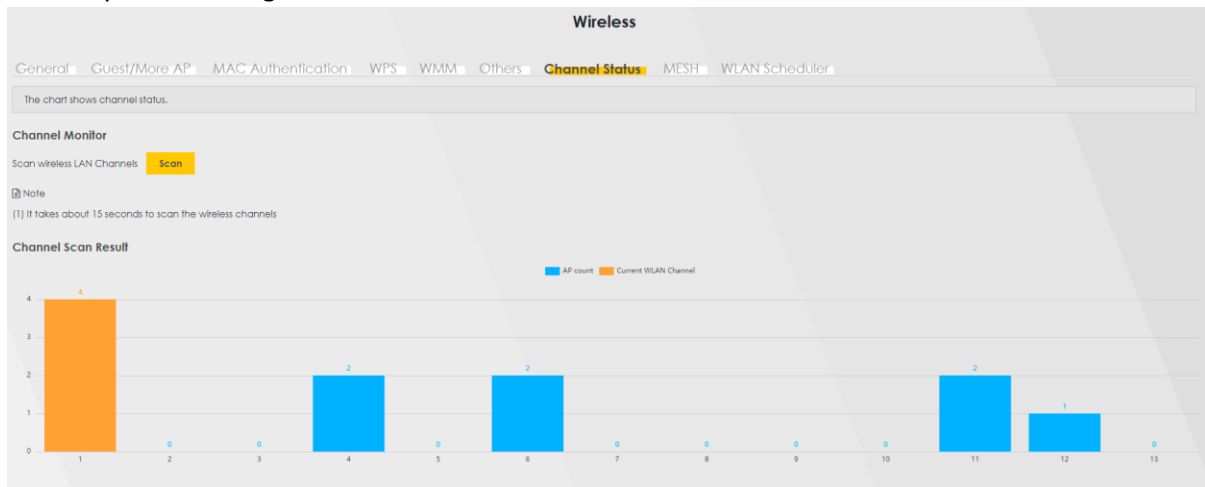
Channel Status

When selecting a Wi-Fi channel you don't really want to be occupying the same channel that another device is using.

Within the advanced settings we can also perform a Wi-Fi channel scan to view which channels are being used by neighbouring devices. Along the tabs at the top find the “Channel Status” tab and click on it.



Click the “Scan” button and it will display a graph showing which channels nearby devices are currently broadcasting on.



Note that for the 2.4GHz band there are 13 channels available but 1,6 and 11 are the only ones that don't overlap with each other so these are the desirable channels. For the 2.4GHz it is best off leaving it on auto.

To do a scan for the 5GHz band go back to the General page and make sure the 5GHz band is selected in the dropdown.



For the 5GHz try and find a channel that isn't being used by neighbouring devices, in this case channel 44 would be the best to use.

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