



Wi-Fi Automatic Channel Selection Guide



Wi-Fi Automatic Channel Selection

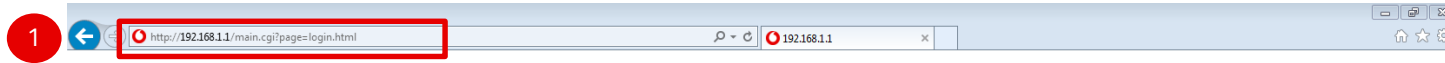
In the new firmware a change has been made to allow the router to change the channel without a reboot, however it will only do so when there is either no or next to no usage over Wi-Fi. You can also start a manual scan and change but this will drop ALL Wi-Fi connected devices at that point.

This feature is disabled by default and can be turned on via the WEB GUI



Login Page

- 1 Enter <http://192.168.1.1/> into your browser whilst you are connected to your Vodafone Home Broadband.
- 2 The password to login is **vodafone**



Welcome

Enter your Vodafone Connect router password to manage your settings.



2

Log In

Forgotten password

Firmware version: 5.4.8.1.291.1.30.1.29
WAN IP Address: 87.75.108.226



Wi-Fi Automatic Channel Selection

The screenshot displays the Vodafone Connect web interface. At the top, a grey header bar contains the text "Vodafone Connect" on the left, "1 user logged in" in the center, and a dropdown menu on the right currently showing "Expert Mode". Below this header is a red navigation bar with six tabs: "Overview", "Internet", "Wi-Fi", "Sharing", "Settings", and "Status & Support". The "Wi-Fi" tab is highlighted with a black border. To the left of the navigation bar is a sidebar menu with the following items: "General", "Schedule", "WPS", "MAC Filter", and "Settings". The "Settings" item in the sidebar is also highlighted with a black border. Two black arrows originate from a central text block: one points to the "Wi-Fi" tab in the navigation bar, and the other points to the "Settings" item in the sidebar. The text block reads: "The new option can be found in 'Expert Mode' under 'Wi-Fi' then settings on the left."

Vodafone Connect

1 user logged in

Expert Mode

Overview Internet **Wi-Fi** Sharing Settings Status & Support

General

Schedule

WPS

MAC Filter

Settings

The new option can be found in "Expert Mode" under "Wi-Fi" then settings on the left.



Wi-Fi Automatic Channel Selection

2.4 GHz

WiFi Mode

Mixed 802.11b/g/n



Bandwidth

20MHz



Channel

Auto



Current Channel

6

Update Channel

Periodic Autoscans

Off



Under 2.4 GHz and 5GHz you will see two extra options;

- Update Channel, as a click box
- Periodic Autoscans, as a drop down box



Wi-Fi Automatic Channel Selection

WiFi Mode Mixed 802.11b/g/n ▼

Bandwidth 20MHz ▼

Channel 1 ▼

WiFi Mode Mixed 802.11b/g/n ▼

Bandwidth 20MHz ▼

Channel Auto ▼

Current Channel 6

Update Channel

Periodic Autoscan Off ▼

If the “Channel” drop down is not set to “Auto” the new options will not show as they only apply in Auto mode when the router is making the channel choice.



Wi-Fi Automatic Channel Selection

Channel ▾

Current Channel 6

Update Channel

Periodic Autoscan ▾

Current Channel 

Update Channel

Channel ▾

Current Channel 11

Update Channel

Periodic Autoscan ▾

You will see the extra options, including the current channel the router has selected.

The Autoscan is Off by default.

When the “Update Channel” button is pressed the router will perform a scan for congestion then change the channel to a free one if needed.

If the channel changes ALL connected devices will drop and reconnect. 2.4GHz and 5GHz are done independently. So updating 2.4GHz will not drop 5GHz and vice versa.



Wi-Fi Automatic Channel Selection

Channel Auto ▼

Current Channel 11

Update Channel

Periodic Autoscans Off ▼

Periodic Autoscans

- Off
- Off
- 15 min**
- 30 min
- 60 min

If you would like to leave the router to manage the channel changing then you'll need to use the "Periodic Autoscans" drop down to select a time interval.

Scan interval times can be seen here.



Wi-Fi Automatic Channel Selection

Periodic Autoscan

60 min



Any interval selected will be triggered that many minutes from the moment you click the page “Apply” button. So with the above 60 minutes after clicking apply (and every 60 minutes beyond) the router will scan for local congestion and look to change the channel if needed.

Again this option is independent for 2.4GHz and 5GHz, so if you would like both to auto scan it needs applying to both in Wi-Fi settings.

It's important to note that connect devices will drop and reconnect when the channel is changed. The router however, will look at the level of traffic over the Wi-Fi and will **ONLY** change the channel if this is low or none if seen. Meaning if you are using the Wi-Fi for anything then the router will **NOT** change the channel as it will see traffic.



Wi-Fi Automatic Channel Selection

This feature is useful if you are living in busy Wi-Fi areas and may not have the ability to use an app to scan for yourself.

Notes;

- The router by default has this feature off.
- You can manually start a channel update but ALL devices connected to that band (2.4/5GHz) will be dropped and reconnect if the channel changes. If the router sees the current channel is not congested no change will be made.
- With the Periodic Autoscan enabled you can still start a manual update.
- The router will still NOT change the channel automatically if the Wi-Fi band is in use

