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Increase Wireless Reception

(NB8WVPN)

Increasing your wireless reception

If you are experiencing wireless reception drop outs or disconnections, another wireless network or device may be broadcasting on the same wireless channel as your own network.

You can usually resolve this by changing the wireless channel in use on your network.

This guide will take you through the steps required to change the wireless channel in use.

1. Open your web browser and go to the address <http://192.168.1.1>, using **admin** as the username and password.
2. Select **"Wireless"** from the menu on the lefthandside of the page.
3. Click on **"Configuration"**.
4. Select a channel at the opposite end of the scale from the one you are currently using. This will mean you avoid any interference you are experiencing on your currently selected channel

Wireless > Configuration

This page allows you to configure advanced features of the wireless LAN interface. You can select a particular channel on which to operate speed, set the fragmentation threshold, set the RTS threshold, set the wakeup interval for clients in power-save mode, set the beacon interval and set whether short or long preambles are used. Click "Apply" to configure the advanced wireless options.

AP Isolation: Off

Band: 2.4GHz

Channel: Auto (Current: 6)

Auto Channel Timer(min): Auto

54g™ Rate: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

Multicast Rate: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

Basic Rate: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

Fragmentation Threshold: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

RTS Threshold: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

DTIM Interval: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

Beacon Interval: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

XPress™ Technology: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

54g™ Mode: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

54g™ Protection: Auto

Preamble Type: long

Transmit Power: 100%

Save/Apply

5. Once you have selected your new channel to use (for example: 11), click the **"Save/Apply"** button at the bottom of the page.

If you are still experiencing wireless reception issues, there may be infrastructure (walls, floors, wiring, etc) impeding your wireless signal. Please try moving the wireless device to a position close to your modem / router and try connecting again.