

How to Fix WiFi Speed Issue

Frequency channels can get crowded, so if you and all your neighbours are using the same channel in the 2.4 GHz frequency band, that could affect your Wi-Fi speeds.

To change your Wi-Fi to the best channel, you'll need to go to your router's online interface. You can do this by typing your router's IP address into a web browser and logging in. Once logged in, look for your Wi-Fi settings. The option to change your band channel should be there.

For Netcomm Modem

1. With your device connected to the modem (wired or wirelessly), open a browser and log in to **192.168.20.1** with the username and password (admin as default).
2. Once logged in, go to **Wireless** and select **Advanced**.
3. If using **2.4 GHz**, alternately change the channel from Auto to either **1**, **6**, or **11**, whichever provides acceptable interference.

NF10WV

Wireless -- Advanced

This page allows you to configure advanced features of the wireless LAN interface. You can select a particular channel on which to operate, set the beacon interval for the access point, set XPress mode and set whether short or long preambles are used. Click "Apply/Save" to configure the advanced wireless options.

Band:	2.4GHz	
Channel:	Auto	strCurrent 11 (interference: acceptable)
Auto Channel Timer(min)	0	
802.11n/EWC:	Auto	
Bandwidth:	40MHz in Both Bands	strCurrent 40MHz
Control Sideband:	Lower	strCurrent Upper
802.11n Rate:	Auto	
802.11n Protection:	Auto	
Support 802.11n Client Only:	Off	
RIFS Advertisement:	Off	
OBSS Coexistence:	Disable	
RX Chain Power Save:	Enable	Power Save status: Low Power
RX Chain Power Save Quiet Time:	10	
RX Chain Power Save PPS:	10	

- **Channel** is set to Auto, which means the modem will automatically detect which channel is best for the connection and the example above shows it's using channel 11 with acceptable interference. *If interference is severe*, that should be the time channel should be set to recommended channels 1, 6 or 11, whichever will show acceptable interference.
- If using 2.4 GHz, you can also alternately change the bandwidth from 40 Mhz to 20 Mhz vice versa, which will work better. **Bandwidth** is set to 20 MHZ if there are old version devices connected to a network (i.e. XP computer); however, if all devices are the latest one, then 40MHZ will be used.

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 802.11n Rate: Auto
 802.11n Protection: Auto
 Support 802.11n Client Only: Off
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 OBSS Coexistence: Disable
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 RX Chain Power Save Quiet Time: 10
 RX Chain Power Save PPS: 10

strCurrent 11 (interference: acceptable)
 strCurrent 40MHz
 strCurrent Upper
 Power Save status: **Low Power**

- Disable modem QoS - *QoS* is defined as a feature that prioritizes traffic so that more important traffic can pass first.

Our NetComm modems, by default, have the QoS feature enabled, giving the highest priority to Voice and Video and low priority to the Background tier (downloads).

If you are having issues with the downloads, you may disable QoS to equal traffic priority for all tiers. Disabling QoS has been proven to improve wireless speed.

QoS -- Queue Management Configuration

If Enable QoS checkbox is selected, choose a default DSCP mark to automatically mark incoming traffic without reference to a particular classifier. Click 'Apply/Save' button to save it.

Note: If Enable QoS checkbox is not selected, all QoS will be disabled for all interfaces.
 Note: The default DSCP mark is used to mark all egress packets that do not match any classification rules.

Enable QoS

Select Default DSCP Mark: No Change(-1)

Apply/Save

Online URL:

<https://articles.spintel.net.au/article/how-to-fix-wifi-speed-issue.html>