Change the channel of Wifi Router to maximize signal

Open the Channel and select the Channel you want to change. Which WiFi channel is already in use, you should avoid it! The best Wifi channels are 1, 6 and 11 you should choose.

If you live in an area with many different Wi-Fi such as an inn, an apartment located adjacent to the neighbors, . sometimes you will experience the problem of **the Wifi connection is disconnected** or **the connection is not fast** in some time, . The problem may be **because your Wifi network coincides with many other Wifi networks** , or **the current channel is not the best,** leading to signal degradation.

Of course, not necessarily after changing the channel of the Wifi Router, your Wifi network will run at maximum speed, for many other reasons. But with instructions to change the Channel Channel for your Wifi Modem will help **optimize the best Wifi signal.**

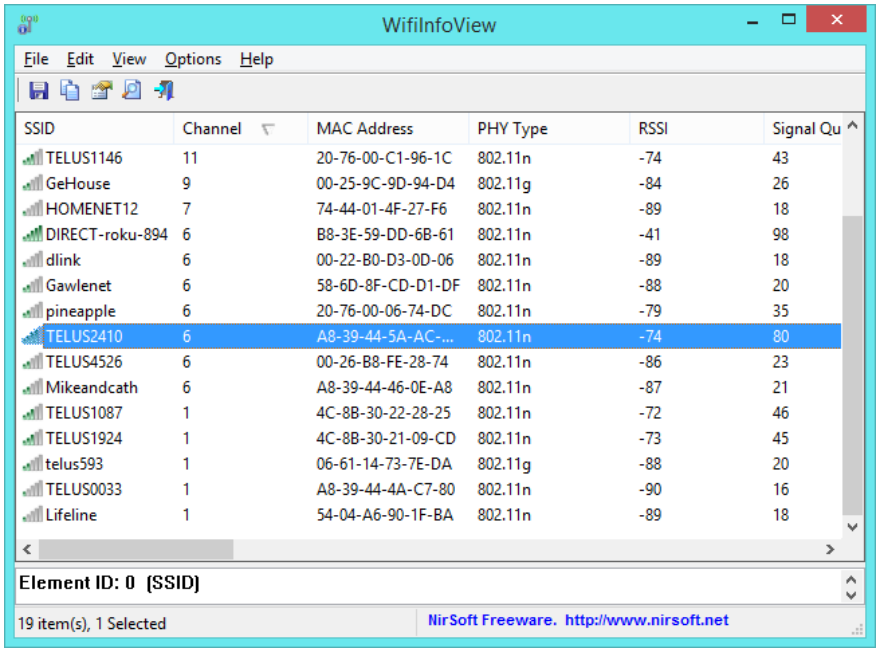
> **Note** : If your Wifi wireless network is working fine, you do not need to change it. * 70 * Because the Wifi Modem automatically selects the optimal Channel, the default helps you and normally will be OK. In some cases, you feel that the problem of Wifi signal decreases, please change.

Scan your Wifi channel and see if it matches with other Wifi?

To scan all Wifi around you, and view information about each channel - Channel of each Wifi you use **WifiInfoView** tool **.** This is a lightweight tool, you just need to extract the .ZIP file and run it directly.

Download WifiInfoView

or if on Windows XP you use the WirelessNetView utility.



As you can see in the screenshot of the software's interface, your channel is 6 and there are many Wi-Fi networks around in which the Wifi uses a channel - Channel is 6. **Then you should change the channel to a new channel. not coincide with other Wifi to optimize Wifi signal.**

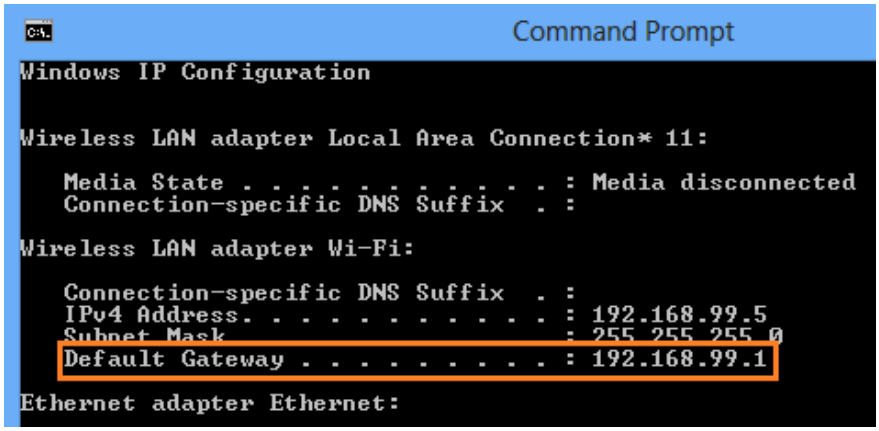
> **Note** : If you have several different Wifi transmitters, pay attention to the information of all of them. Also change to not overlap with each other.

How to change your Wifi channel

The change will be slightly different due to the slightly different interface of each router. In my example, I use **Netis** Wifi Router. However, to find the settings, change the Wifi Channel is not too complicated.

First, you access the default IP address of the Wifi Router: **192.168.1.1** or **192.168.0.1** on the Web browser. If the default IP access is not available, your IP Router has been changed.

To find that Router Access IP you are as follows. Open the **RUN** dialog box (Windows + R), type **cmd** and Enter. At the Comand Prompt window type ipconfig and Enter. You will find your Wifi Access Modem IP.



In my case, the IP address to access my Wifi Modem has changed, **192.168.99.1** and I will type so into the browser to access the Modem's management. You will see the request to enter the User and Access Password - Search at the back of the Modem will see the default User and Pass section (If changed, you enter under the changed Pass).

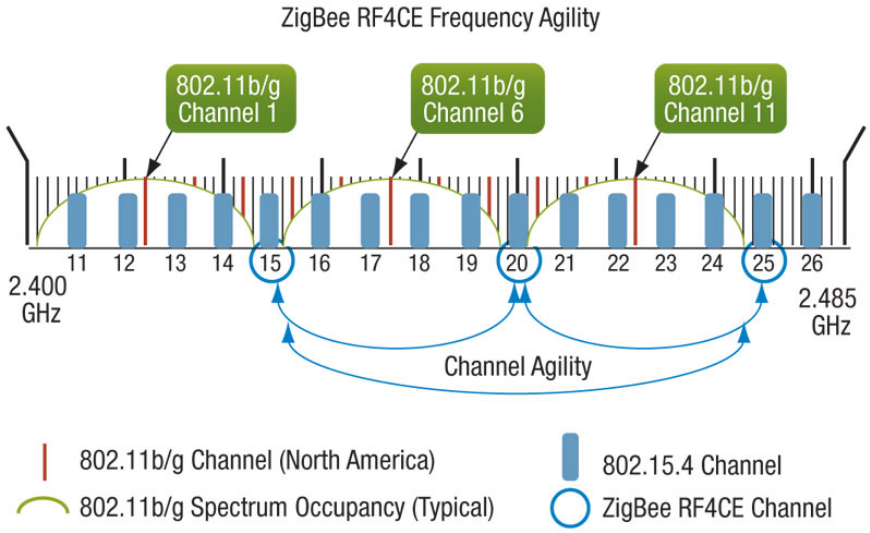
Next , the different router vendors are a bit different. But you just find the following: **Wireless** => **Wireless Settings** => Change in the **Channel** .

As shown in the picture, you will open the Channel and select the Channel you want to change.

Principles of changing channels to maximize Wifi signal

Your Wifi will operate in frequencies of 2400 and 2500MHz. About 100 MHz is divided into 14 20MHz channels, so there is some overlap between channels and that is not good for Wifi signal.

Fortunately, channels 1, 6, and 11 are far enough apart and will not overlap. For normal network setup (i.e., 802.11 a, b, or g), **you should try to use channels 1, 6, or 11.**



In case you are using one of channels 1, 6 or 11. But again coincide with many Wifi around, you change to one of the remaining two values.

> In my case, the original Channel was 6 and coincided with many other Wifis, so I switched to Channel 11 to get the strongest Wifi signal.

You can see that the **Channel Width** section (below the Channel) has 2 options of 20 MHz and 40 MHz. You **only choose 40MHz if you are in an area with no Wifi nearby** , because at 40MHz, the frequency duplication will be much higher than 20MHz.

This part is related to frequency types so it is difficult to understand. However, just follow the instructions you will install the channel for the Wifi Modem with the strongest signal, not overlapping with the surrounding Wifi. Good luck!

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