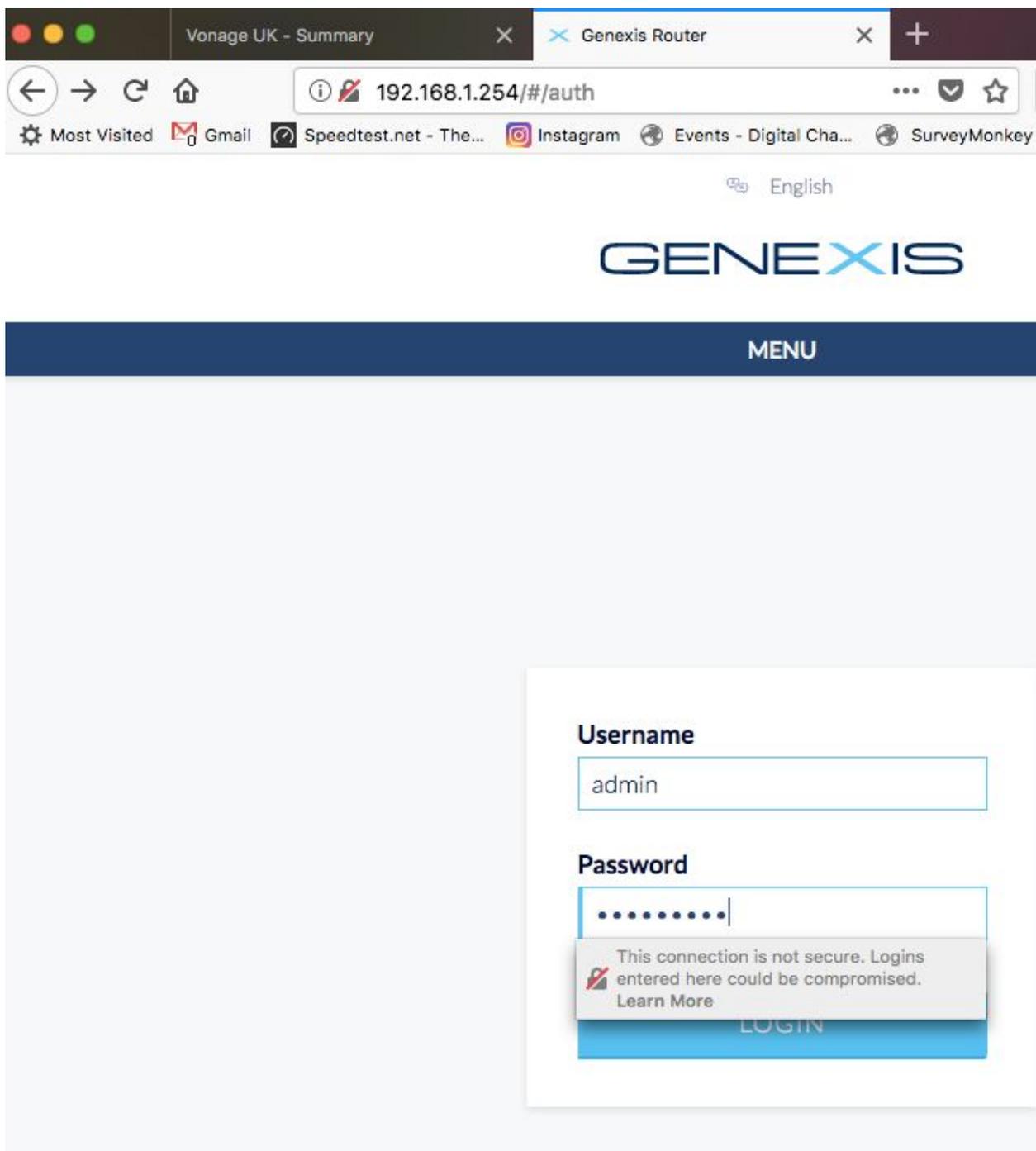


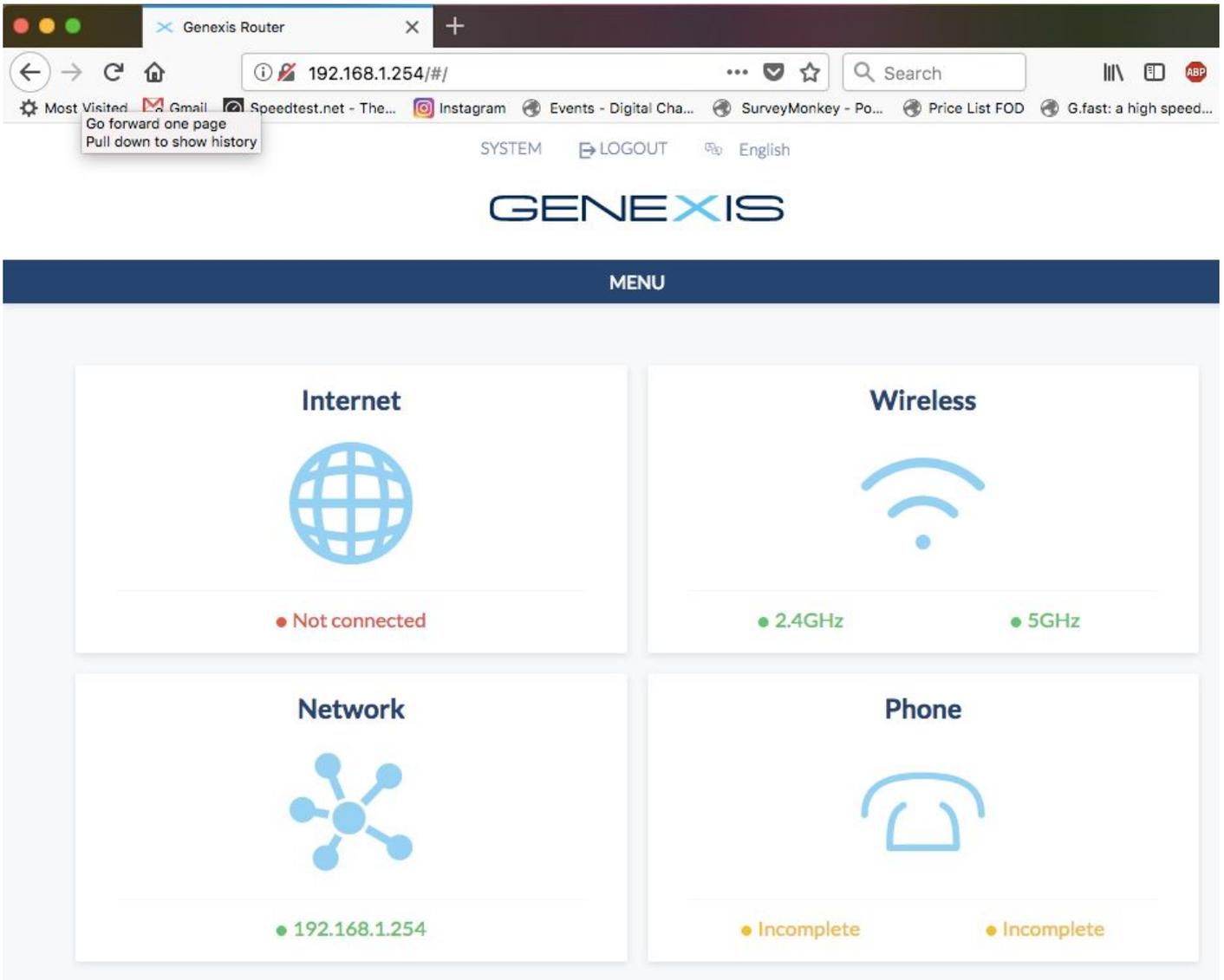
These instructions are here to let you know how to access your router to change the name or the password, or to turn the wifi off altogether, or turn it on again. These instructions are for the routers with the WPS button on the right hand side, the ones with the button on the top are further down.

Using your preferred device e.g. PC, tablet etc. Open a browser window whilst connected to the same network as the router (i.e. its own WiFi or by using an ethernet lead) and in the field you normally type in a web address type in this number 192.168.1.254 and press enter. This will open a window where you type your username = admin and the password stuck on the front of your router. NB, the password is all upper case. (if this doesn't work then it is a different model of router and the IP address is 192.168.1.1, and the instructions and screenshots are slightly different, see the end of the document.)



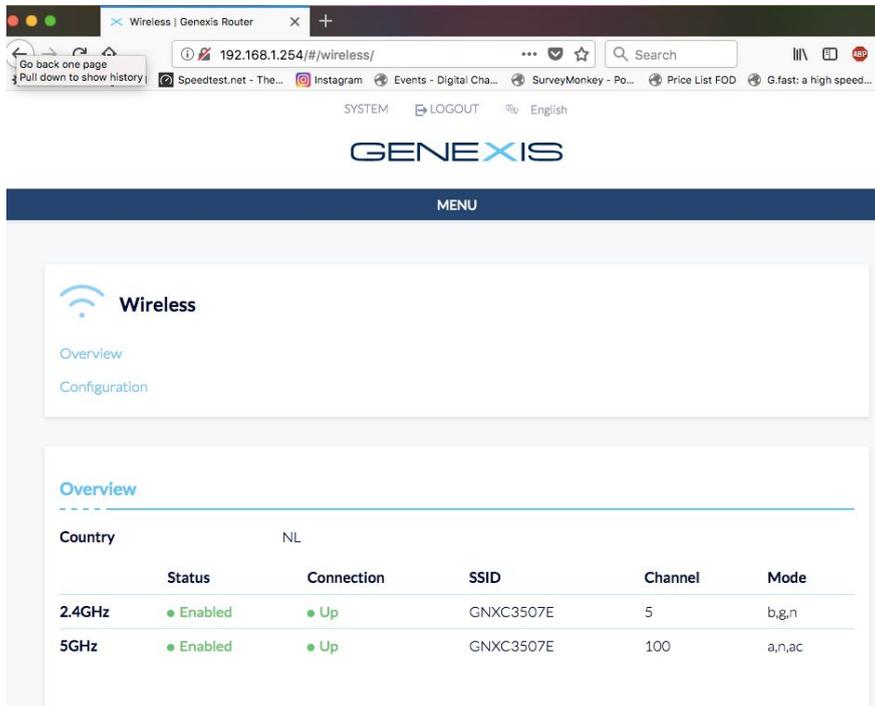
Click login

This opens the next page where you click wifi icon (- the screenshot says no internet because this router was just used for screenshots.)



Then you can scroll down the wifi page, change the network name (SSID) to one of your choice, and also

change the two passwords for the two different wifi networks. Both networks can keep the same name and password or have a different one each if you prefer. The 2.4ghz network is the strong one, the 5.ghz is the faster one but doesn't reach as far in the home. Gadgets can't all see the 5.ghz one, but they can all see the 2.4ghz, and will choose which to latch on to. As you can see in this photo, the 5ghz is on channel 100, which isn't very good. (this router is not connected to the internet so it doesn't matter) but if you notice yours is on that channel then change it to either 36,40 or 48. The 2.4ghz is on channel 5, which is ok, but the best channels are 1, 6 or 11. This router should auto correct



when it is online, but it is worth mentioning here and then you know.

## 2.4GHz



### SSID

*The name of your WiFi network*

GNXC3507E

### Password

*Minimum of 8 characters*

.....

### Channel

*Select the wireless channel. Auto channel selection is recommended*

Auto

### Authentication

*Select network authentication*

WPA + WPA2

## 5GHz



### SSID

*The name of your WiFi network*

GNXC3507E

### Password

*Minimum of 8 characters*

.....

### Channel

*Select the wireless channel. Auto channel selection is recommended*

Auto

### Authentication

*Select network authentication*

WPA + WPA2

SAVE

If you need to turn Off or On the WiFi there is a small toggle button above the box with the SSID name. Remember if you turn the WiFi completely Off i.e. both channels, you will only be able change the router settings by connecting to it with an ethernet cable.

Don't forget to click SAVE when you have finished! If you were connected to the router using WiFi, you will have to reconnect to the router using your new SSID/Password. Write down your password and put it in a safe place. Remove the sticker from the B4RN router and put that in a safe place in case you want to go back to the default settings.

If you notice your router is on a bad channel, or if your neighbours wifi is interfering, this is the page where you change the channel instead of leaving it on Auto. See above.

If you can't log into your router with 192.168.1.254, but can on 192.168.1.1 then read on.  
Log into the router with username admin, and password admin. It is recommended you change this password but remember to write it down!  
Then click on the Network tab see below.



## Internet Service Configuration

### Internet Service Configuration

Once you are in the network, depending on your model of router you will see the wireless tab(s), click on that to display the picture below, and change your settings there (as detailed above). If you change the password for the wifi, write it down. You can change the network name, you can disable broadcast to turn the wifi off completely if you have a better wifi system in your home.

If you have a router with 5ghz, this is really good local to the router, but not very good in old houses, it is better just sticking to the 2.4ghz radio. That goes a bit further in older houses but not as fast. It is plenty fast enough though!

Save the wlan settings and then join the network again with your new password/new name.



## Wireless Configuration

### Wireless Interface Configuration

Enable Radio	<input checked="" type="checkbox"/>
Country	United Kingdom
Mode	Mixed 802.11b, 802.11g and 802.11n
Channel	Auto
Channel Bandwidth	20
SSID	GNX6B85334
Broadcast SSID	<input checked="" type="checkbox"/>
Authentication Method	WPA2
Encryption Method	AES
Encryption Key	.....
Enable Wi-Fi Protected Setup	<input checked="" type="checkbox"/>

**Enable Radio**  
Enable or disable the wireless LAN radio.

**Mode**  
Selects the IEEE802.11 mode of operation. Select the mode which best fits the types of devices on your network. Do not select IEEE802.11b unless you need this for legacy equipment since it affects performance.

**SSID**  
The name used to identify your wireless network. The default value will be used unless another name is defined. The default SSID value is printed on the bottom of the router. The SSID value will be broadcast unless it is disabled.

**Authentication Method**  
Select the required authentication method. WPA2 is recommended as the most secure method available. Disabling, or using WEP, are not recommended as it is easy for someone else to view your network traffic, and therefore access your network.

**Encryption Method**  
Defines the type of encryption used when using the WPA2, WPA or WEP authentication methods.

**Encryption Key**  
WPA2 and WPA keys should be alphanumeric and between 8 and 63 characters in length. A 64 character hex key may be used instead. WEP keys are alphanumeric, must not end with digit 0, and are either 10 or 26 characters in length.

**Enable Wi-Fi Protected Setup**  
WPS enables easy setup of wireless networks using push button or PIN code on both access point and client. WPS has been shown to be subject to brute force attacks on PIN codes, therefore it is recommended to disable WPS unless you are sure that it is needed.