



Connecting to a W600/W900 via Direct Ethernet, Windows 11

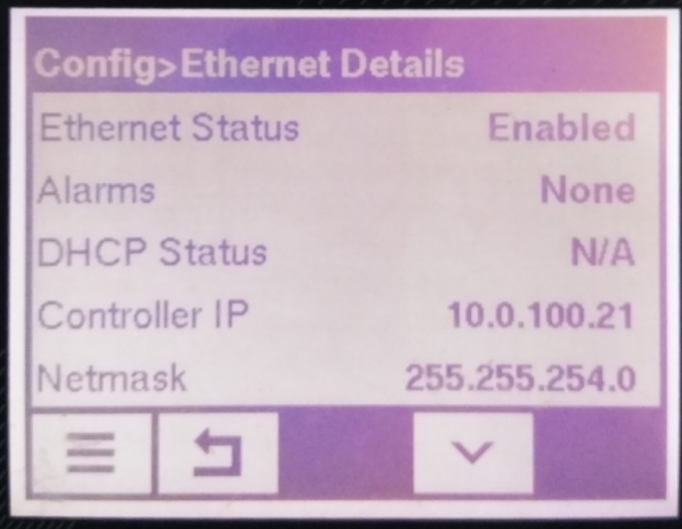
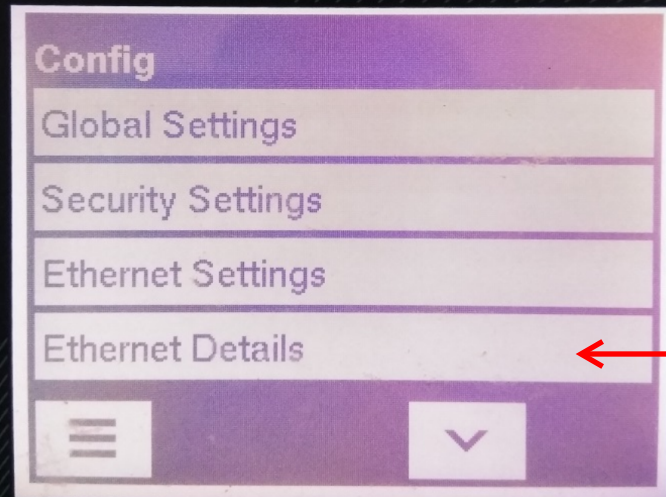
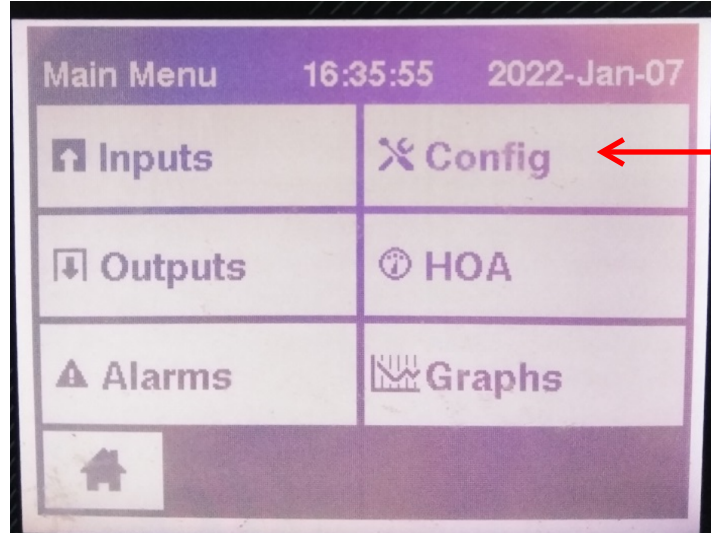
Obtaining the Controller Ethernet Settings

Before starting the direct ethernet setup on your laptop, you will need to confirm the IP address and subnet mask on the controller. To do this, follow the instructions below:

1. From the Home Screen, press "Config" to get to the Configuration menu.

2. In the Configuration menu, press "Ethernet Details" to go into the Ethernet Details sub-menu

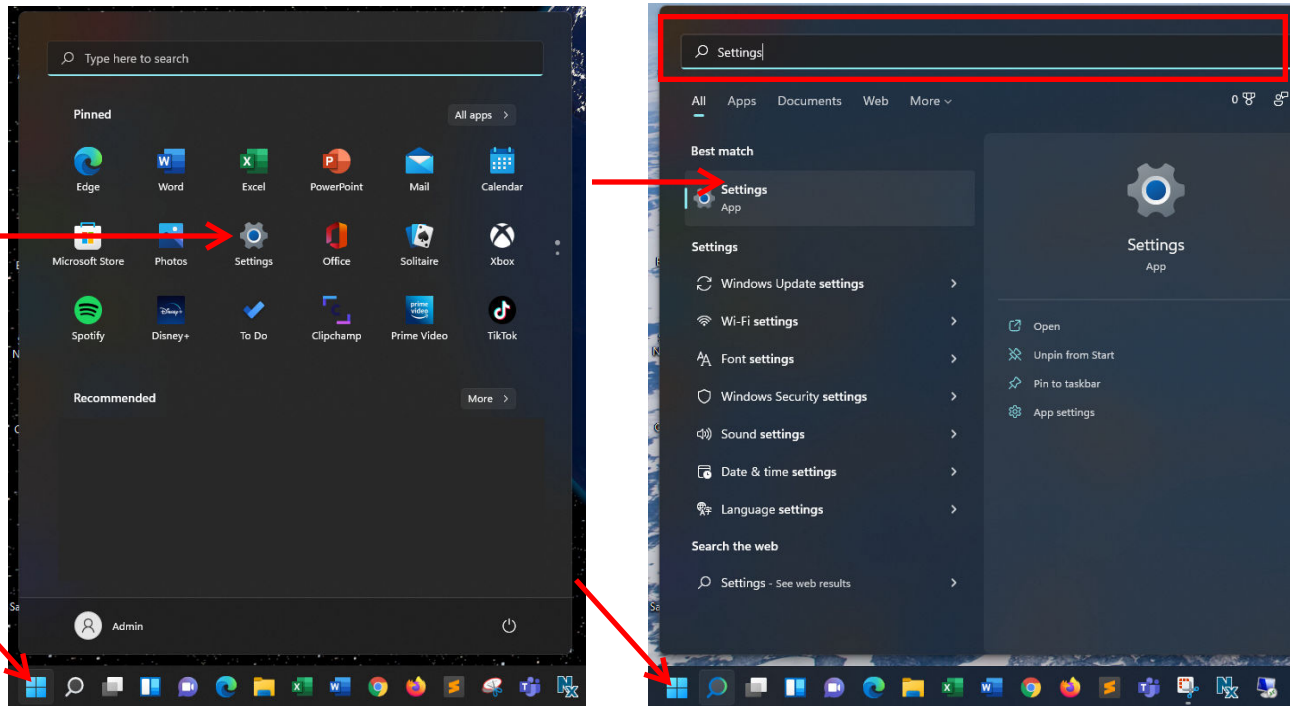
3. In the Ethernet Details sub-menu, make a note of these as they will be used in the direct ethernet connection procedure. The default IP address is 10.0.100.101 and the default subnet mask is 255.255.254.0.



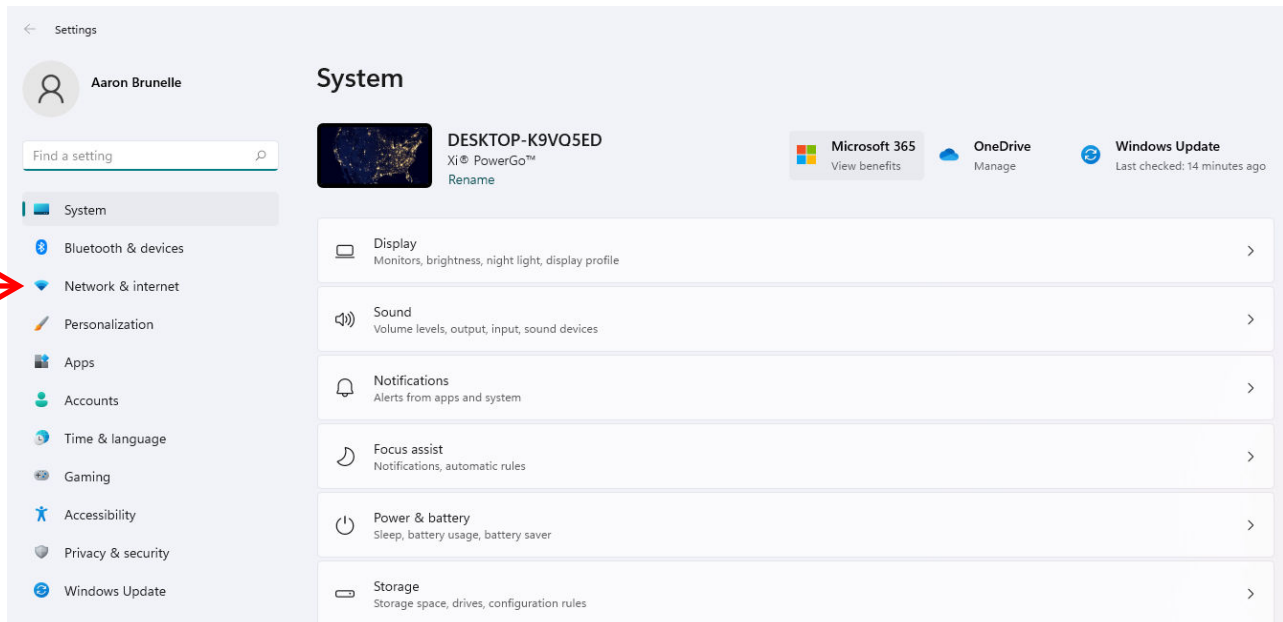


Setting up the laptop and performing the Direct Ethernet Connection

1. Plug one end of the ethernet cable into the ethernet port on the inside of the door/front panel of the controller, and the other end into the ethernet port on your laptop. Then, on your laptop press the start menu icon and click on the Settings app. If you do not see the Settings app in the list, type "Settings" into the search bar and then click on the Settings app.



2. Click on "Network & Internet"





3. Click on "Advanced network settings"

The screenshot shows the Windows Settings application. The left sidebar lists various settings categories, with 'Network & internet' selected. The main area is titled 'Network & internet' and shows settings for Wi-Fi (Iwaki-Guest) and Ethernet (No internet). Below these are several network-related options: Wi-Fi (On), Ethernet, VPN, Mobile hotspot (Off), Airplane mode (Off), Proxy, Dial-up, and Advanced network settings. A red arrow points to the 'Advanced network settings' option at the bottom of the list.

4. You should see an Ethernet connection in the list of Network adapters named "Unidentified network". Click on that adapter and then click "View additional properties"

The screenshot shows the 'Advanced network settings' page in Windows Settings. The left sidebar is the same as in the previous screenshot. The main area is titled 'Network & internet > Advanced network settings' and shows a list of 'Network adapters'. The list includes Ethernet 2, Wi-Fi (Iwaki-Guest | Intel(R) Wi-Fi 6 AX201 160MHz), Ethernet (Unidentified network | Realtek PCIe GbE Family Controller), and Bluetooth Network Connection. A red arrow points to the 'Ethernet' adapter, and another red arrow points to the 'View additional properties' button below it.



5. The IP assignment will likely be automatic (using DHCP). Click on the Edit button for IP assignment.

Settings

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Find a setting

- System
- Bluetooth & devices
- Network & internet
- Personalization
- Apps
- Accounts
- Time & language
- Gaming
- Accessibility
- Privacy & security
- Windows Update

Network & internet > Advanced network settings > View additional properties

Ethernet properties

IP assignment:	Automatic (DHCP)	Edit
DNS server assignment:	Automatic (DHCP)	Edit
Link speed (Receive/Transmit):	100/100 (Mbps)	Copy
Link-local IPv6 address:		
IPv6 DNS servers:		
Manufacturer:	Realtek	
Description:	Realtek PCIe GbE Family Controller	
Driver version:		
Physical address (MAC):		

Get help

6. Click the drop-down and select "Manual". Then switch IPv4 to "On". Then, for the IP address take the IP address on the controller and increment/decrement it by 1 (i.e. if the controller IP address is 10.0.100.101, use 10.0.100.102 or 10.0.100.100). For the Subnet mask match the Subnet mask on the controller. Leave all other settings alone. Then press the Save button to exit. Then click on "Advanced network settings".

Settings

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Find a setting

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Network & internet > Advanced network settings > View additional properties

Ethernet properties

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Manufacturer:	Realtek	
Description:	Realtek PCIe GbE Family Controller	
Driver version:		
Physical address (MAC):		

Get help

Edit IP settings

Manual

IPv4

On

IP address

10.0.100.102

Subnet mask

255.255.254.0

Gateway

Preferred DNS

Preferred DNS encryption

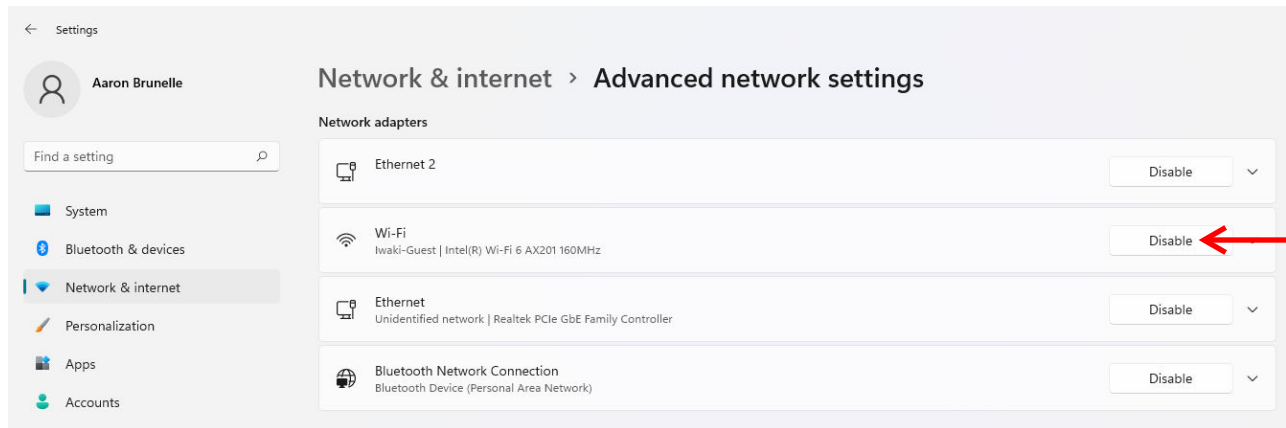
Unencrypted only

Alternate DNS

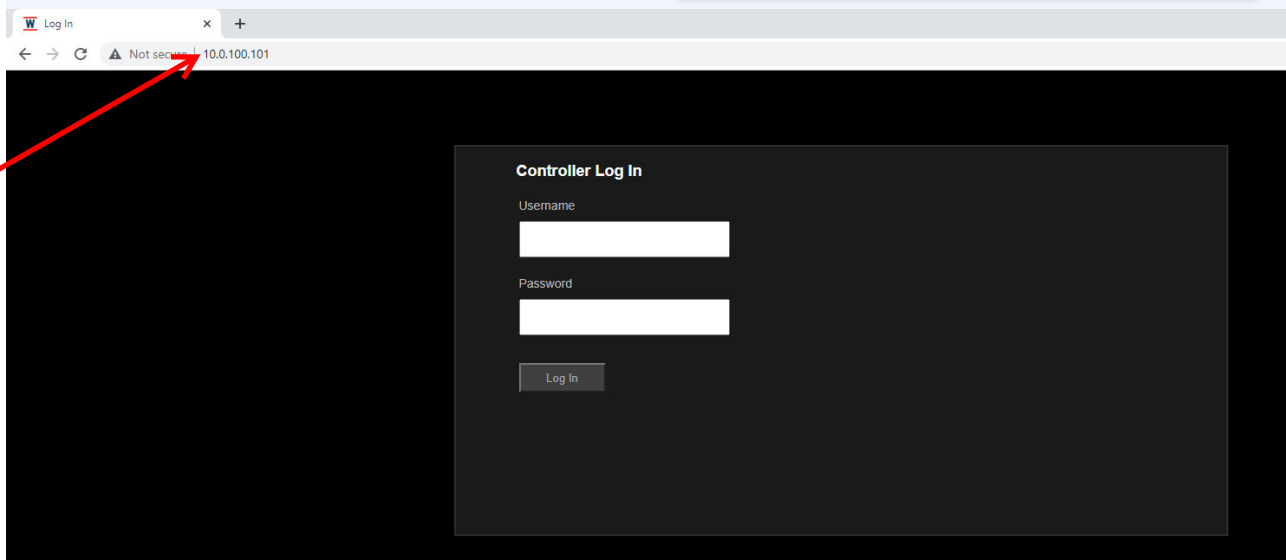
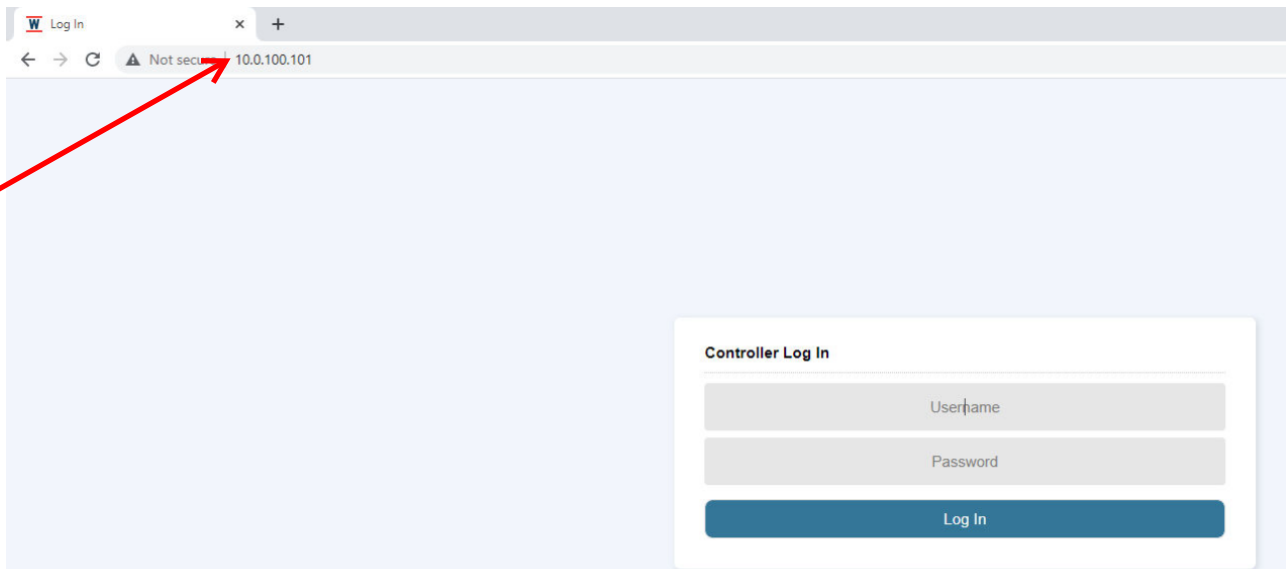
Save Cancel



7. For best results, you should temporarily disable your WIFI. To do this, click the Disable button for the Wi-Fi adapter.

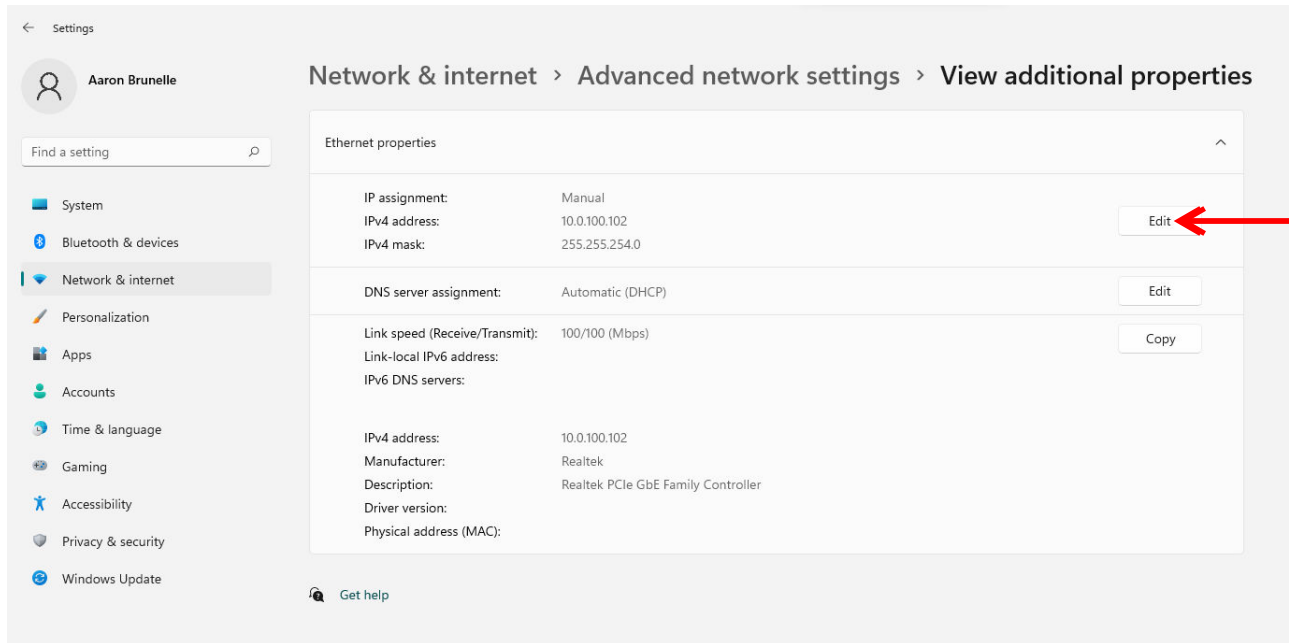


8. Open your web browser (Google Chrome shown) and type the controller's IP address into the address bar and press the enter key. The Controller Log In screen appears as shown below. From here you can use your username and password to log into the controller and configure the controller settings. On W600 and W900 controllers running older software (before v3.31), the login screen may look like the bottom screenshot.

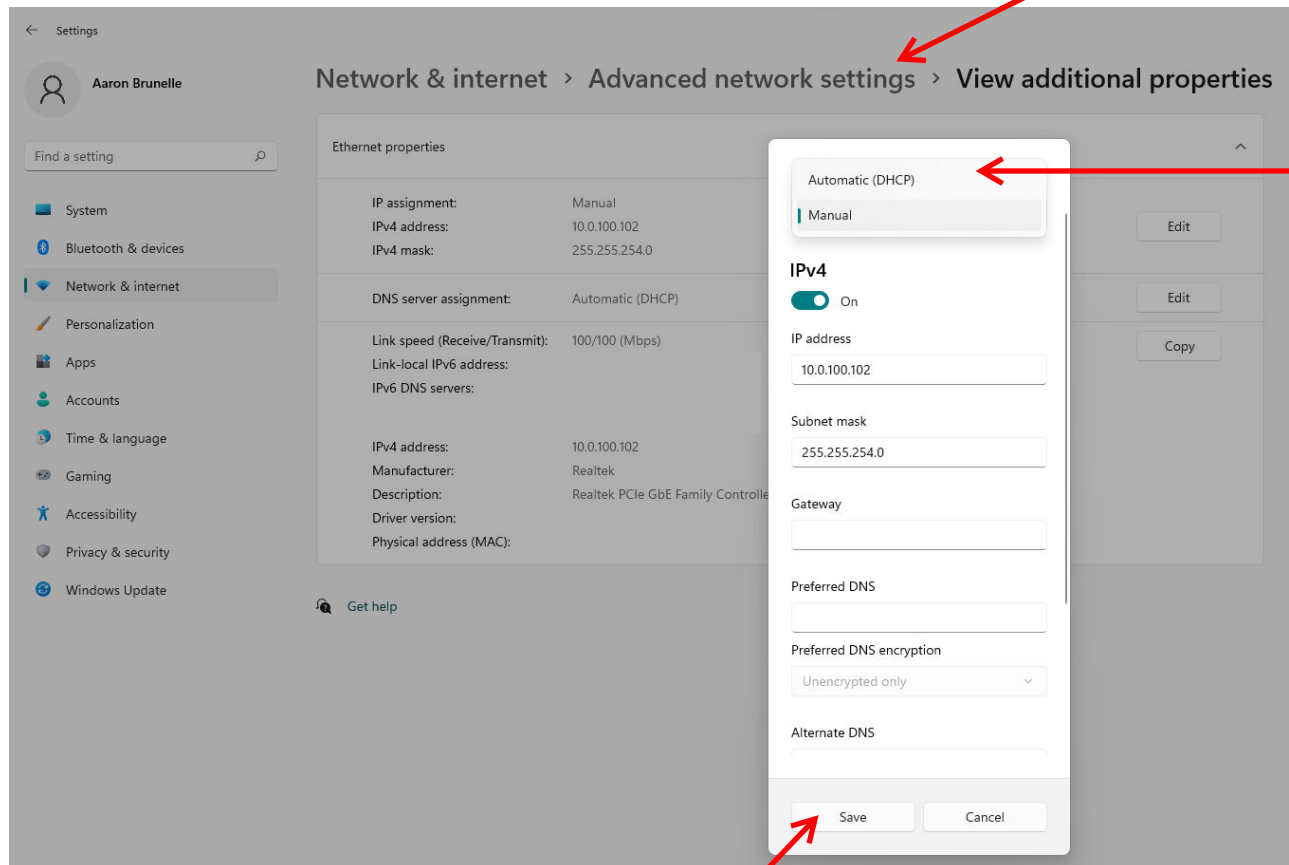




9. Once you are finished, you can set your network settings back to their previous settings. Go back to "View additional properties" and click the Edit button for the IP assignment.

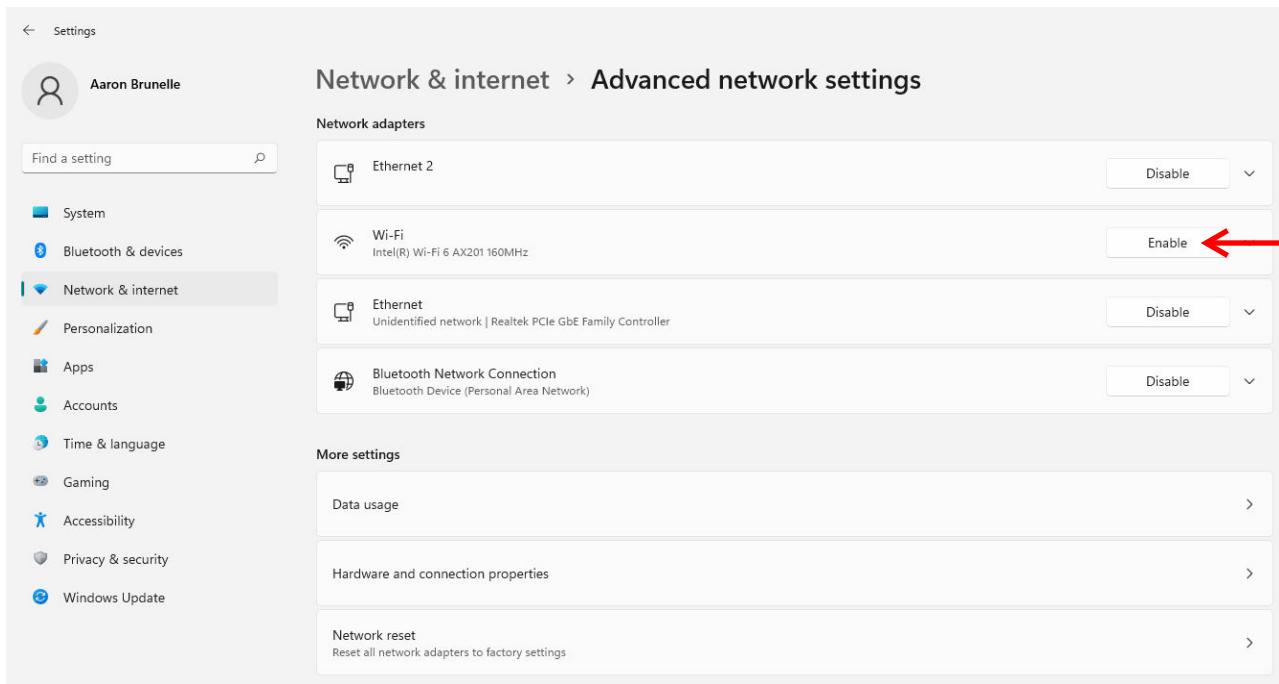


10. Click the drop-down and switch back to "Automatic (DHCP)". Then press the Save button to exit. Then click on "Advanced network settings".





11. Lastly, click on the Enable button next to the Wi-Fi adapter to re-enable your WIFI.



Notes

- To do this procedure, you may need to have admin privileges on your laptop.
- It is possible to do the direct connection with the WIFI enabled, however in certain cases this can prevent the laptop from connecting to the controller (the laptop may look on the internet for the controller's IP address rather than look at the ethernet connection). For this reason, you should disable your WIFI for the procedure.
- If your laptop does not have an ethernet port, it is possible to still do this procedure by using a USB to Ethernet adapter such as one shown on the right. You should see an additional adapter appear for the USB adapter. From there, the connection procedure is the same as before.

