How to Set a Static IP Address on a Computer to Connect to RTI Devices with Fixed IPs

Contents

A.   Overview

RTI devices might have been configured with a fixed IP address. In order to communicate with them your computer must be in the same IP range. This document will give you details on how to set up a static IP on Windows or Mac computers.

B.   Windows 10 via Control Panel

1.   Click the "Windows Start" Button on the bottom left corner of your monitor then click on "All Apps", scroll down to the folder "Windows System", click to expand and launch the Control Panel App.

     or

     Press the Windows key and type "Control Panel" into the search box

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2. Click on **Network and Internet**.
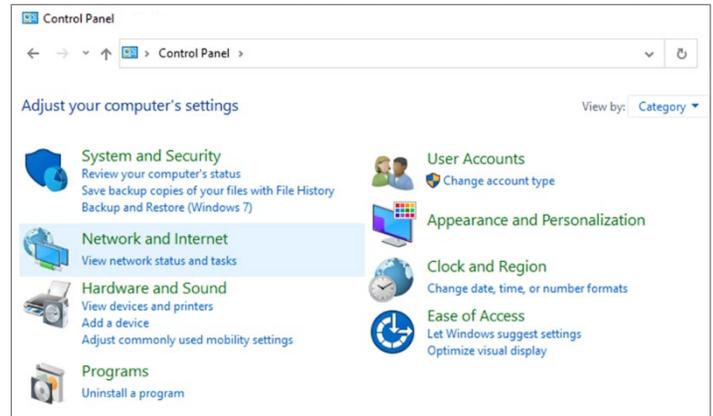
3. Click on **Network and Sharing Center**.
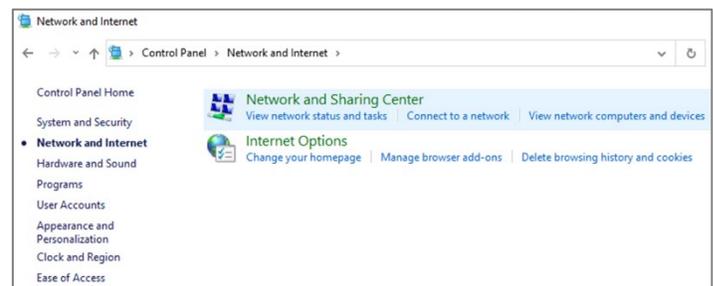
4. Click the **Change adapter settings** option on the left navigation panel.
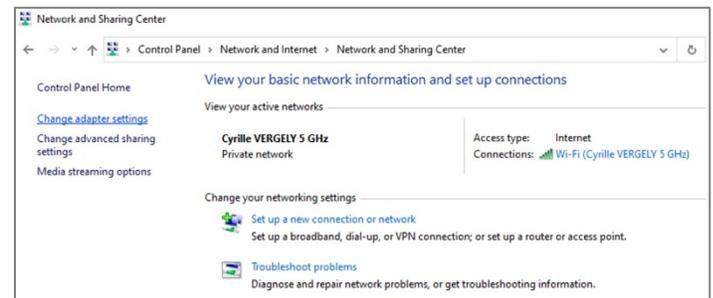
5. Right-click the **Network Adapter** and select **Properties**.

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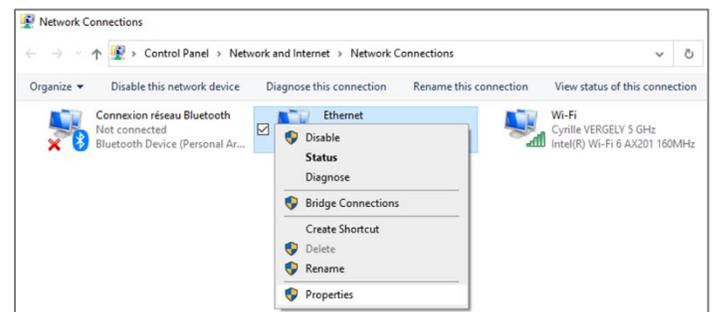
6. Select **Internet Protocol Version 4 (TCP/IPv4)** and click on **Properties**.
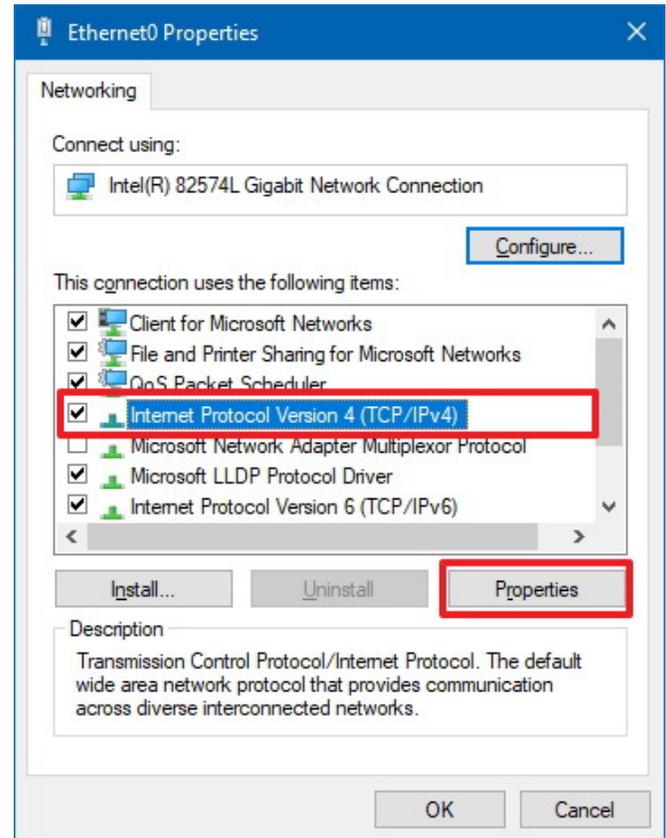
7. Select the "Use the following IP address" option.

8. Set the IP address (for example 192.168.1.2).

9. Set the Subnet mask. Usually, in a home network, the subnet mask is 255.255.255.0.

10. Set the Default gateway. This address is typically your router's IP address (for example 192.168.1.1)

11. Set the Preferred & Alternate DNS server address. RTI recommends using the Google DNS servers 8.8.8.8 and 8.8.4.4 to make sure the Weather driver, RTIQ, or other cloud-based services works properly.

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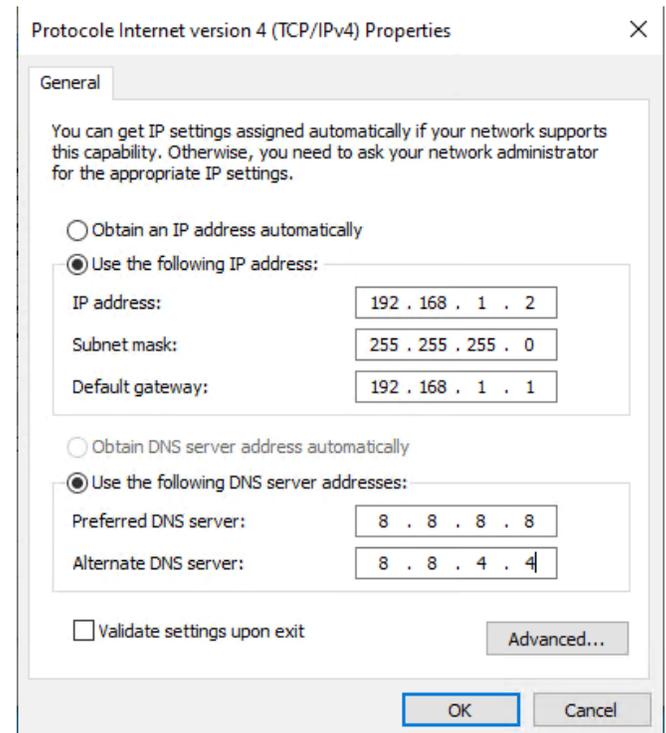
C. Windows 10 via Settings

1. To access the settings, press the Windows key and type "Settings" into the search box

   or

   Open the Start menu, scroll down in the Apps list in the left navigation panel and click on "Settings".

2. Select **Network & Internet**.

3. Select **Ethernet** or **Wi-Fi** depending on your connection type.

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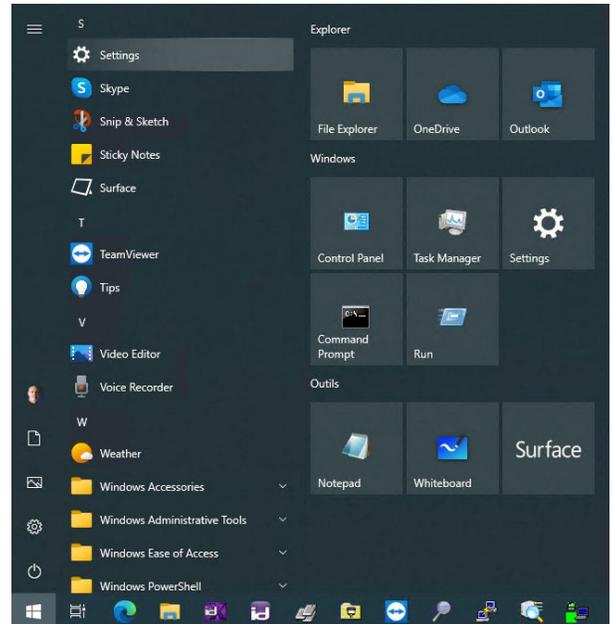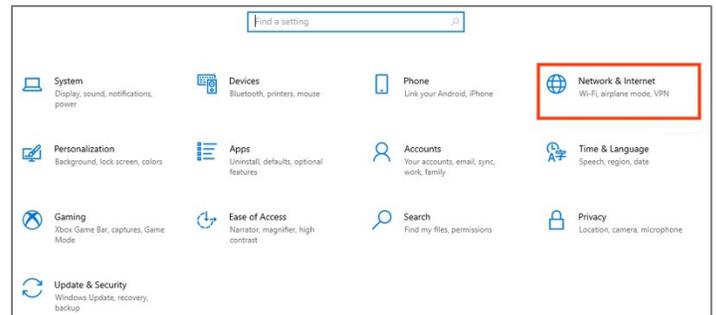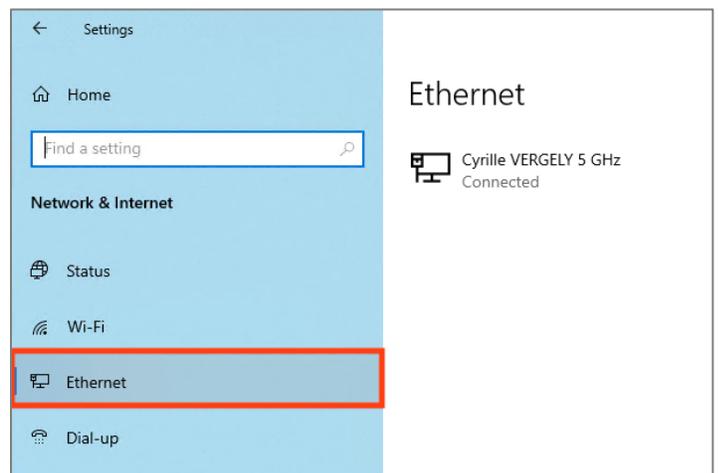
4. Select the connected network.
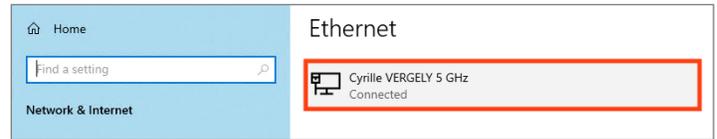
5. Click on the **Edit** button in IP Settings.
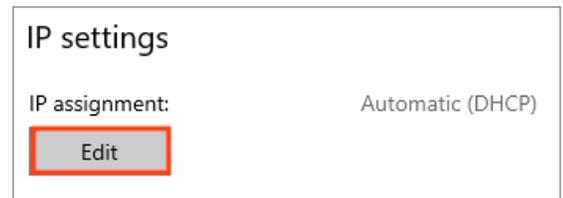
6. Select **Manual** in the dropdown menu and turn on the **IPv4** toggle switch.

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7. Set the IP address (for example 192.168.1.2).

8. Set the Subnet mask. Usually, in a home network, the subnet mask is 255.255.255.0.

9. Set the Default gateway. This address is typically your router's IP address (for example 192.168.1.1)

10. Set the Preferred & Alternate DNS server address. RTI recommends using the Google DNS servers 8.8.8.8 and 8.8.4.4 to make sure the Weather driver, RTIQ, or other cloud-based services works properly.

11. Click the **Save** button.

Edit IP settings

Manual

IPv4

On

IP address
192.168.1.2

Subnet prefix length
255.255.255.0

Gateway
192.168.1.1

Preferred DNS
8.8.8.8

Alternate DNS
8.8.4.4

IPv6
Off

Save   Cancel

D. Windows 11 via Control Panel

1. To access the Control Panel, press the Windows key to open the Start menu and type "Control Panel" into the search box

    or

    Open the Start menu, click on "**All Apps"**, scroll down to the folder "Windows Tools", click to expand and launch the Controll Panel app.
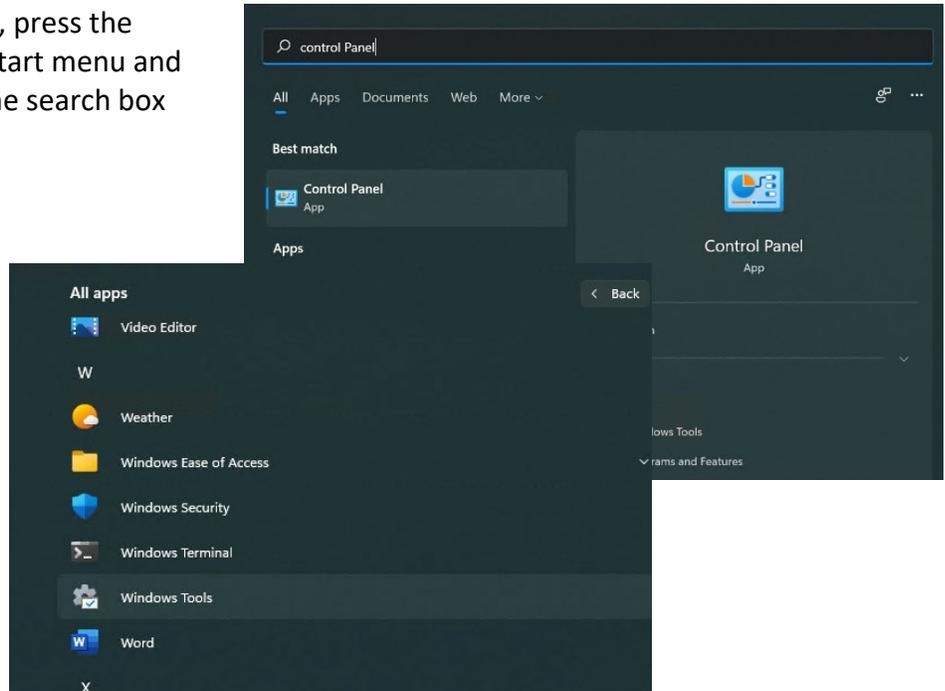
2. Click on **Network and Sharing Center**.
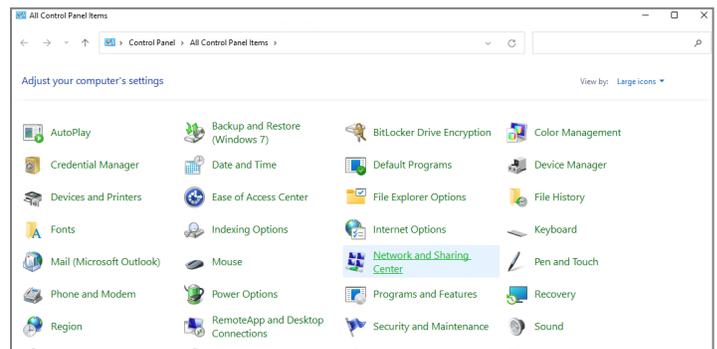
3. Click **Change adapter settings** and follow the steps described in section B.

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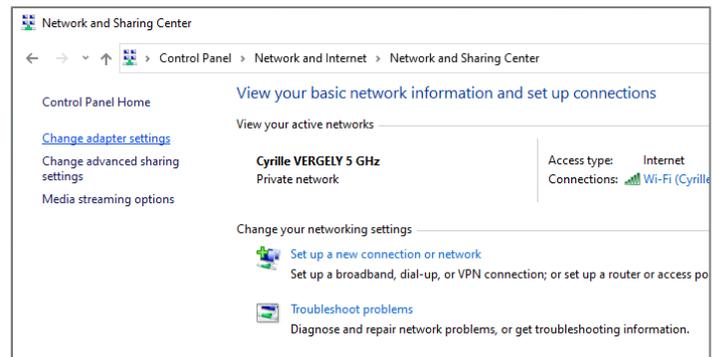
E.   Windows 11 via Settings

1. To access the settings, press the Windows key and type "Settings" into the search box

    or
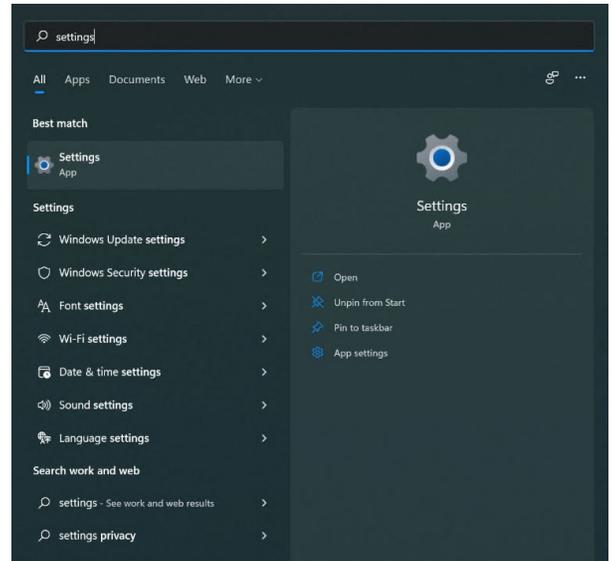
    Open the Start menu, scroll down in the Apps list in the left navigation panel and click on "Settings".
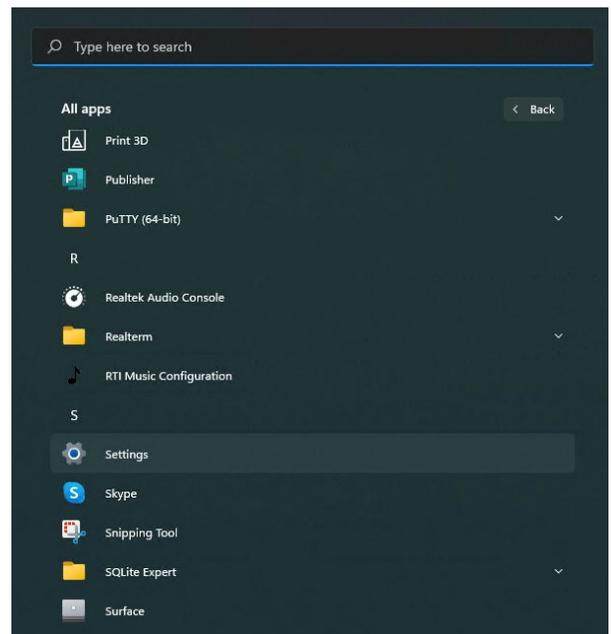
    or right click the Network Icon on the bottom right corner of your monitor and choose **Network & Internet Settings**.

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2. Select **Network & Internet**.

3. Select **Ethernet** or **Wi-Fi** depending on your connection type.
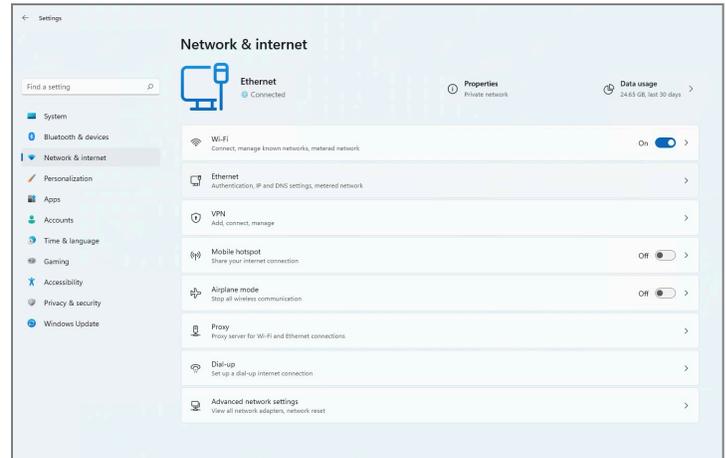
4. Select **Edit IP assignment**.
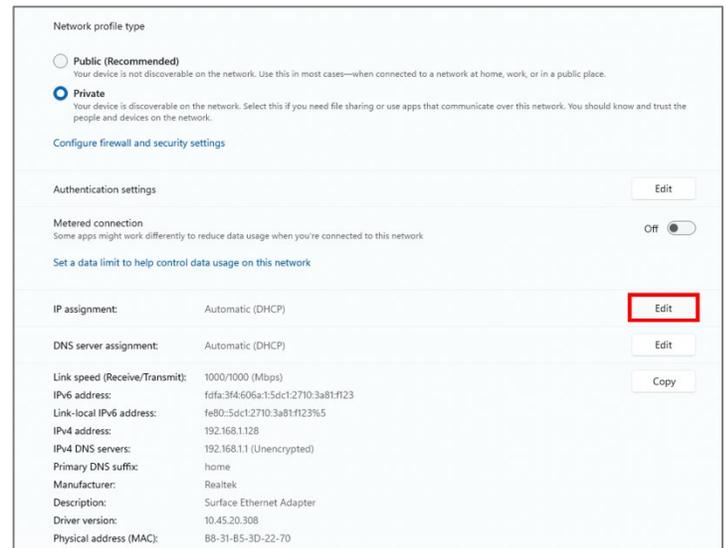
5. Select **Manual** in the dropdown menu and follow the steps described in section C.

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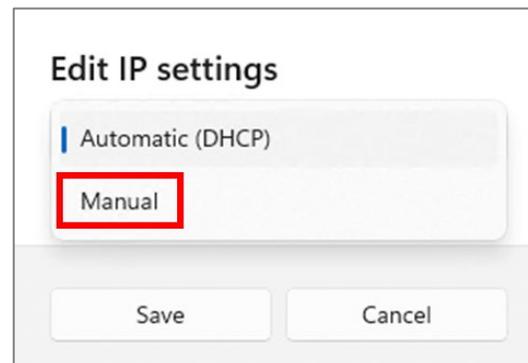
F.   Mac OS Big Sur

1. Click the Apple icon in the upper left-hand corner and select System Preferences…

2. Select **Network**.

3. Select the active network connection (marked with a green dot) and choose **Manually** in the "Configure IPv4" dropdown menu.

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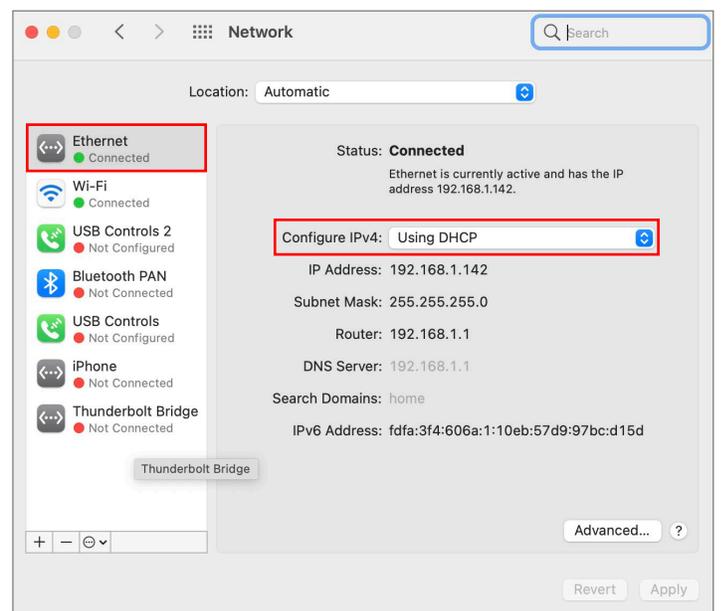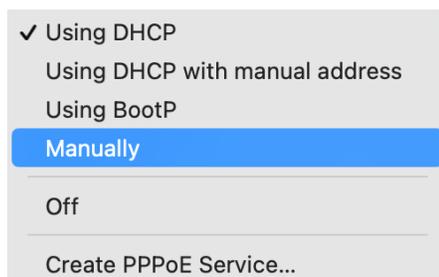
4. Set the IP address (for example 192.168.1.2).

5. Set the Subnet mask. Usually, in a home network, the subnet mask is 255.255.255.0.

6. Set the Router which is your router's IP address (for example 192.168.1.1).

7. Click the "Advanced" button.

8. Select the **DNS** tab

9. Click **+** at the bottom and set the primary DNS server to 8.8.8.8

10. Add a secondary DNS sever by clicking the **+** at the bottom and set the address to 8.8.4.4

11. Click **OK**.

12. Click Apply in the network window and close the window.

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