## Commands for static IP address for main PC (Windows):

1. Connect the Ethernet cable into your main PC.

2. Go into cmd --> ipconfig --> See what name is in your Ethernet adapter. As seen in my IPConfig screenshot, mine is Ethernet 4.

3. Write (change adapter name if not Ethernet 4):

**netsh interface ip set address name="Ethernet 4" static 192.168.10.1 255.255.255.0**

My computer experienced Firewall issues.

I would recommend to NOT change Firewall configuration if it works. This means you NEED to try connecting to Raspberry Pi either through RealVNCViewer or using Raspberry Pi own USB-C Port (An adapter from USB-C to HDMI is needed) an connecting to screen, and pinging your main PC (192.168.10.1) from your Raspberry Pi.

If you have done the above and it does not work, I would see if it is due to Firewall Issues. I have put a screenshot of how to make the Ethernet go from Public → Private in the Firewall issue screenshot.

## Commands for static IP address for Raspberry Pi:

I have previously set a permanent static IP address on the Raspberry Pi Ethernet connection which means that when using the same Raspberry Pi and Ethernet connection and changing your own main PC (following instructions above), it should work.

If not, it may be due to the Raspberry Pi's static IP address having been changed...

Log into Raspberry Pi using an external screen. This is done by using Raspberry Pi own USB-C Port (An adapter from USB-C to HDMI is needed) and connecting to screen. The Raspberry Pi should from there be open and free to use.

If it asks for username and password:

**Raspberry Pi username: oliverpi**
**Raspberry Pi password: oliverpi**

When you are in the Raspberry Pi open Linux terminal (equivalent to Windows CMD).

Write these commands:

**sudo ip addr flush dev eth0**
**sudo ip addr add 192.168.10.2/24 dev eth0**
**sudo ip link set eth0 up**

... And yes it should say .2 and not .1 like the main PC.

If the above commands are successful, write:

**ip route**

If you see that the Raspberry Pi writes the address:
**192.168.10.2**

It should work…

If you have changed the static IP address on the main PC, then try realVNC or running calibration script on both the Raspberry Pi and main PC.