ETHERNET CONNECTION USER GUIDE
# Table of Contents

- Mac Adapters .................................................................................................................. 2
  - Checking Mac Model ........................................................................................................ 2
  - Thunderbolt 3 .................................................................................................................. 2
    - Recommended Adapter .................................................................................................... 2
    - Purchase Link .................................................................................................................. 2
  - Thunderbolt 2 .................................................................................................................. 3
    - Recommended Adapter .................................................................................................... 3
    - Purchase Link .................................................................................................................. 3
- Mac Connection Instructions .............................................................................................. 4
- PC Adapters ........................................................................................................................ 6
  - Check for Ethernet Port on PC .......................................................................................... 6
  - Recommended Adapter .................................................................................................... 6
  - Purchase Link .................................................................................................................. 6
- PC Connection Instructions ................................................................................................ 7
- Ethernet Cable Selection ...................................................................................................... 10
  - Recommended Cable .......................................................................................................... 10
  - Purchase Link .................................................................................................................. 10
- Connecting to Port ............................................................................................................... 11
Mac Adapters

Checking Mac Model

Select the apple icon in the top left corner > about this mac, and in the overview tab you should see your Mac model.

Thunderbolt 3

Thunderbolt 3 uses USB-C connectors at each end of the cable. They look like this:

These Mac models have Thunderbolt 3 (USB-C) ports:

- MacBook Pro (2016 and later)
- iMac (2017)

**Recommended Adapter:** Belkin USB-C to Gigabit Ethernet Adapter, Model # F2CU040btBLK.

Purchase Link: [https://www.amazon.com/Belkin-Certified-Gigabit-Ethernet-Adapter/dp/B014FBQ738/ref=sr_1_fkmr0_1?ie=UTF8&qid=1504115948&sr=8-1-fkmr0&keywords=USB-C%28Also+Known+as+USB+Type-C%29+to+Gigabit+Ethernet+Adapter](https://www.amazon.com/Belkin-Certified-Gigabit-Ethernet-Adapter/dp/B014FBQ738/ref=sr_1_fkmr0_1?ie=UTF8&qid=1504115948&sr=8-1-fkmr0&keywords=USB-C%28Also+Known+as+USB+Type-C%29+to+Gigabit+Ethernet+Adapter)
Thunderbolt 2

Thunderbolt 2 is backwards-compatible, so you can use Thunderbolt 2 devices with an older Thunderbolt port (unless otherwise documented by the device's manufacturer). And you can use an older Thunderbolt device with a Thunderbolt 2 port. All Thunderbolt cables work with Thunderbolt 2 and older ports and devices.

The Thunderbolt 2 port or connector end looks like this:

![Thunderbolt 2 port](image)

The port on your computer looks like a Mini DisplayPort. To confirm that you have a Thunderbolt port, check for this symbol next to or above the port:

![Thunderbolt symbol](image)

All Mac laptops with the exception of the models listed above have a thunderbolt connection. If you have an iMac (mac desktop) you might already have an Ethernet connection (this symbol) so an adapter is not necessary.

**Recommended adapter:** Apple Thunderbolt Gigabit Ethernet Adapter, Model # MD463LL/A.

Purchase Link: [https://www.amazon.com/Apple-Thunderbolt-Gigabit-Ethernet-MD463LL/dp/B011K4RKFW/ref=sr_1_1?ie=UTF8&qid=1504116651&sr=1-1&keywords=thunderbolt+2+to+ethernet](https://www.amazon.com/Apple-Thunderbolt-Gigabit-Ethernet-MD463LL/dp/B011K4RKFW/ref=sr_1_1?ie=UTF8&qid=1504116651&sr=1-1&keywords=thunderbolt+2+to+ethernet)
Mac Connection Instructions

Select the apple Icon > **System preferences**

Select **Network**
The connection will either be labeled **USB 1…00 LAN** or **Ethernet**. Select the connection and make sure **Configure IPv4** is set to **Using DHCP**. **DO NOT** make any other changes to the connection.

When using the wired connection make sure you **turn Wifi off** by selecting the wireless icon and then selecting **Turn Wifi Off**.
PC Adapters

Check for Ethernet Port on PC

Your PC might already have an Ethernet port (shown below), if not the information for the Ethernet adapter is below.

Recommended Adapter: StarTech USB 3.0 to Gigabit Ethernet NIC Network Adapter, Model # USB31000S.

Purchase Link: https://www.amazon.com/StarTech-Gigabit-Ethernet-Network-Adapter/dp/B0095EFXMC/ref=sr_1_1?dchild=1&keywords=usb+to+ethernet+adapter&ie=UTF8&qid=1504117352&sr=8-1-spons&keywords=usb+to+ethernet+adapter&psc=1
PC Connection Instructions

Right click on the **Wifi icon** and select **Open Network and Sharing Center**.

![Open Network and Sharing Center](image1.png)

Select **Change Adapter Settings** in the left menu.

![Change Adapter Settings](image2.png)

The connection will be labeled **Ethernet (sometimes Ethernet 3 or Ethernet 4)**. Right click on the connection and select **Properties**.

![Properties](image3.png)
Select IPv4 and click Properties.

Make sure Obtain an IP address automatically and Obtain DNS server address automatically are selected.
When using the wired connection make sure the **Wifi is Disabled** in Change Adapter Settings. Right click on the **Wifi connection** and select **Disable**.
Ethernet Cable Selection

Recommended Cable: Mediabridge Ethernet Cable 50ft (or whatever length is best for your needs).

Purchase Link: https://www.amazon.com/Mediabridge-Ethernet-Cable-Feet-Networking/dp/B001W26TIW/ref=sr_1_3?s=electronics&ie=UTF8&qid=1504118649&sr=1-3&keywords=ethernet+cable
Connecting to Port

The wall port that you will be connecting the ethernet cable to will look very similar to the picture below. The port should have a yellow (possibly purple) tab with a label similar to the one below. If the port has no tab or label on it you should still attempt to connect as the port may still be active. You should hear a clicking noise when properly inserting the ethernet cable.