

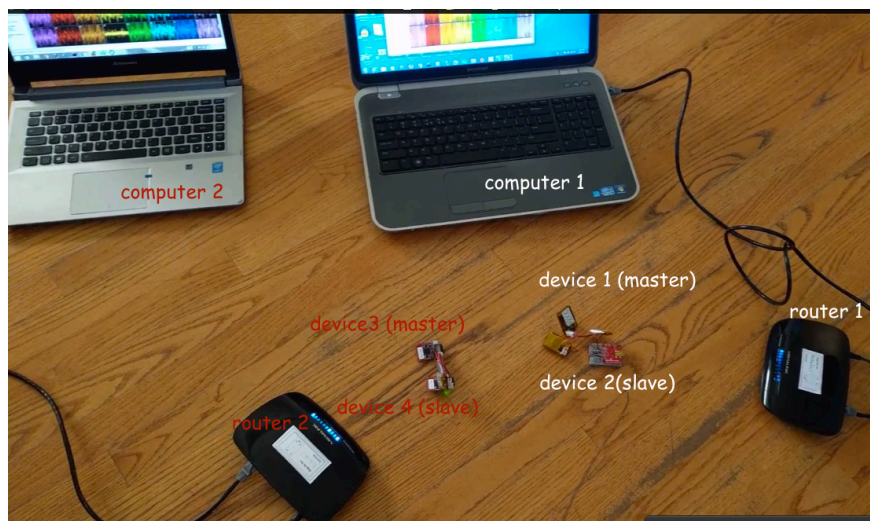
How to use JAGA16_ECH64 with NeuroPhys

v.2 Sep 2017

This document shows how to use all Four JAGA16 devices at the same time using NeuroPhys,

1. You will need two computers, two routers.

- A. device 1 & device 2 -> router 1-> computer 1 (white notations shown in figure below)
- B. device 3 & device 4 -> router 2-> computer 2. (red notations shown in figure below)



2. Set up your two routers.

1. Router 1

- Power the router.
- Plug an Ethernet cable into Ethernet router 1's WAN's interface (blue port).
- Plug the Ethernet to the 1st computer.



One side of the ethernet cable should be connected here.

The other side of the Ethernet should be connected to the computer

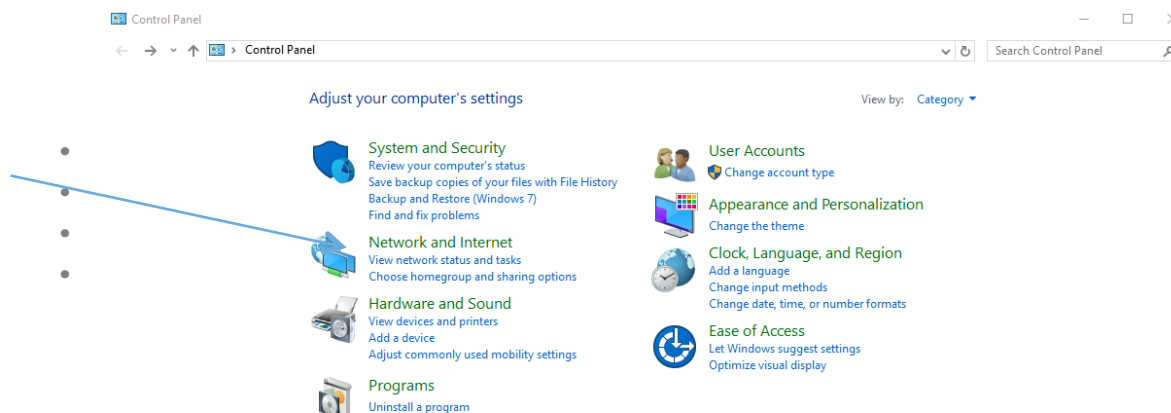
Power the router to the wall

2. Router 2

- Power the router.
- Plug an Ethernet cable into Ethernet router 2's WAN's interface (blue port).
- Plug the Ethernet to the 2nd computer.

3. Set up your Ethernet on your computer 1, 2

- On your Windows 7,8, 10 (everyone loves)
- Go to Control Panel>Network & Internet



- Go to network and sharing center > TURN OFF WI-FI

Network and Internet

Control Panel > Network and Internet >

Control Panel Home

System and Security

• Network and Internet

Hardware and Sound

Programs

User Accounts

Appearance and
Personalization

Clock, Language, and Region

Ease of Access



Network and Sharing Center

View network status and tasks | Connect



HomeGroup

Choose homegroup and sharing options



Internet Options

Change your homepage | Manage bro



Infrared

Send or receive a file



Wi-Fi

Disabled

Intel(R) Dual Band Wireless-AC 31...

- Click on change adapter setting> Click on Ethernet

Network and Sharing Center

Control Panel > Network and Internet > Network and Sharing Center

Control Panel Home

Change adapter settings

Change advanced sharing
settings

View your basic network information and set up connections

View your active networks

You are currently not connected to any networks.

Change your networking settings



Set up a new connection or network

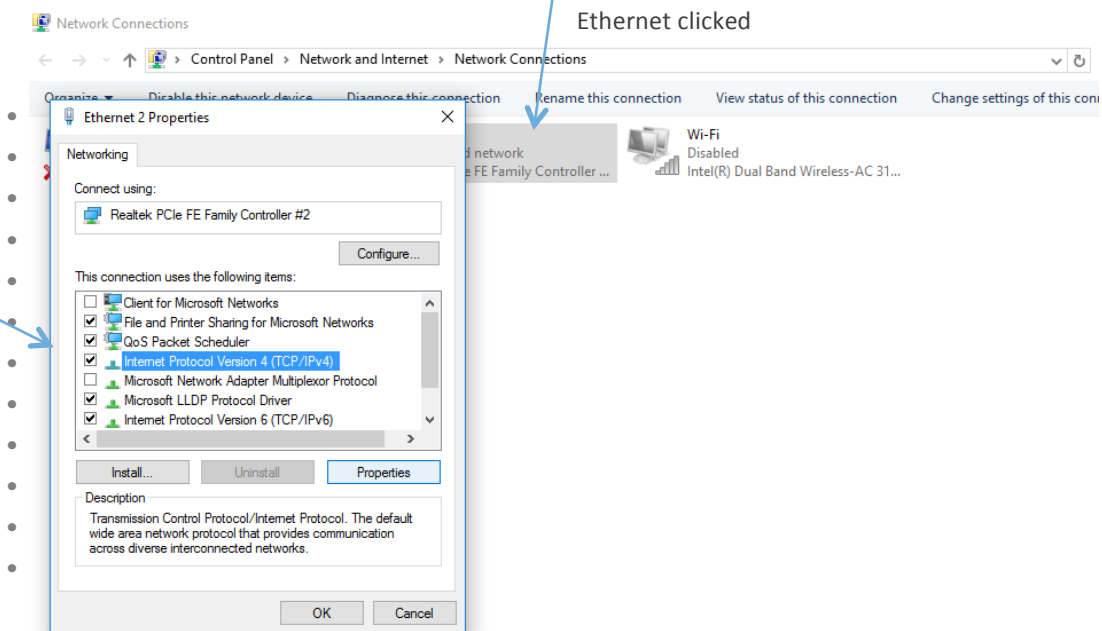
Set up a broadband, dial-up, or VPN connection; or set up a router or access point.



Troubleshoot problems

Diagnose and repair network problems, or get troubleshooting information.

- Highlight and Click on Internet Protocol Version 4 IPv4 (double click)

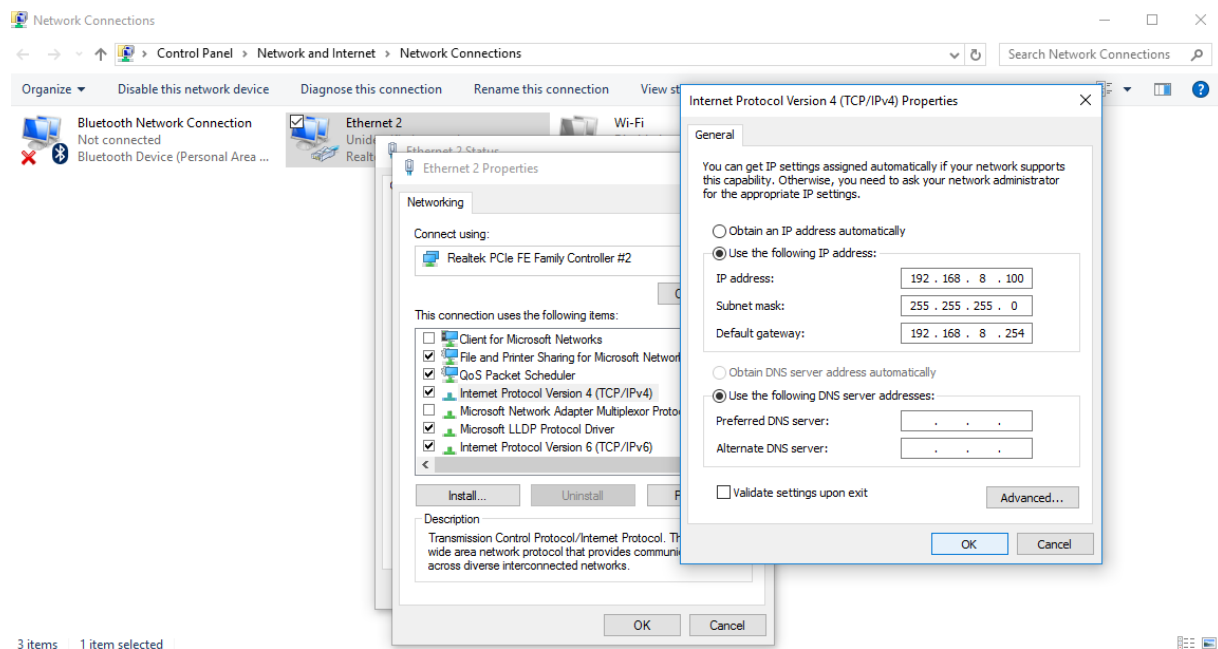


- Add such Ipv4 properties

IP address: 192.168.8.10

Subnet Mask: 255.255.255.0

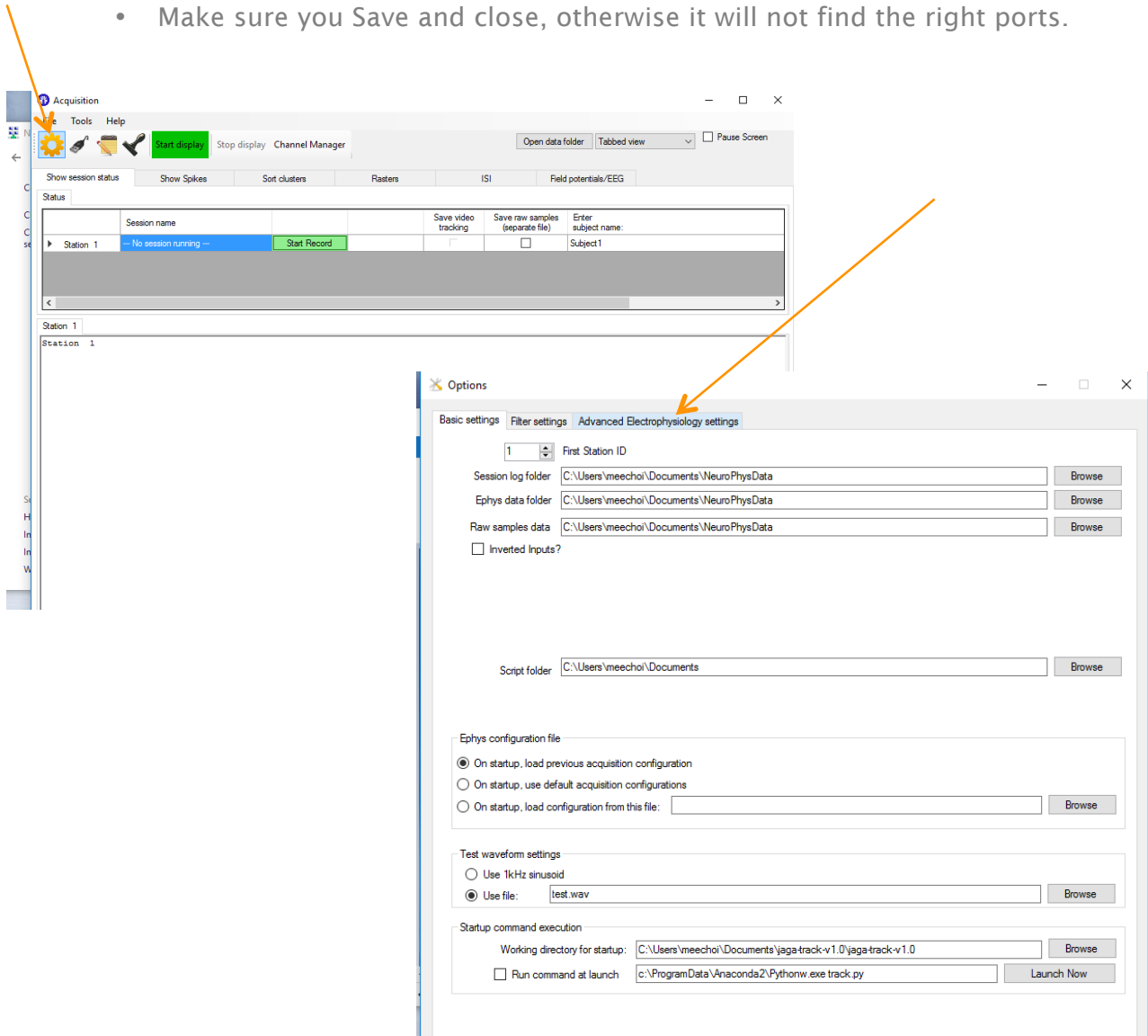
Default Property: 192.168.8.254

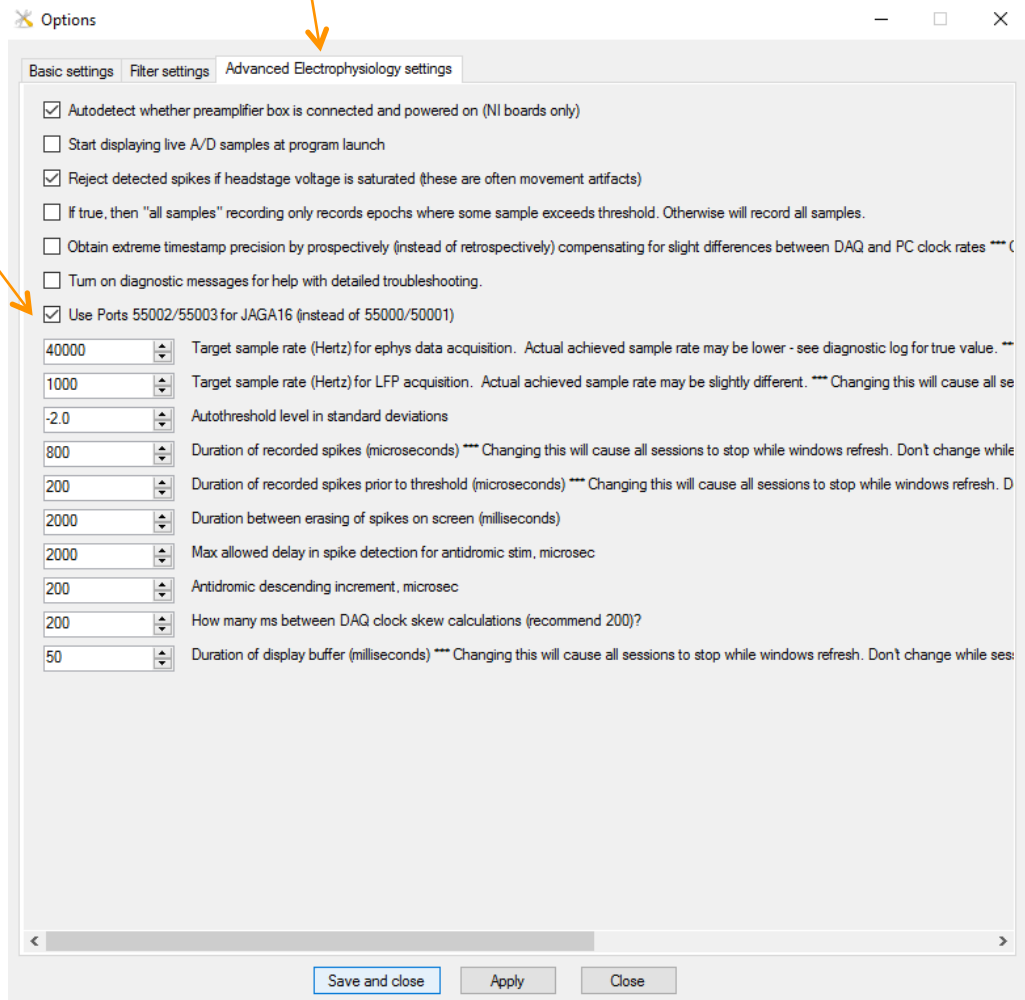


4. Set up the right port on NeuroPhys

On NeuroPhys

1. **Computer 1:** Don't need to do anything. (The software already has the default setting for computer 1)
2. **Computer 2:**
 - Click on the Cogwheel> Advanced Electrophysiology>
 - Click on Use ports 55002/55003 > Save and Close.
 - Make sure you Save and close, otherwise it will not find the right ports.





5. Power the JAGA devices

- Make sure that the device 2 (JH stickers on one side) is powered before device 1 (master device: JH stickers on both sides)
- Make sure that the device 4 is powered before device 3 (Master device: JH stickers on both sides)
- Click “Start Display” on NeuroPhys

On your Mac Are you a Mac Lover? And using our open source python codes?

- Disconnect from Wi-Fi (upper top corner)
- System Preference > Network > Click Ethernet
- Configure IPv4: Manually
- IP address: 192.168.8.100
- Subnet Mask: 255.255.255.0
- Router: 192.168.8.254

Please make sure that other Wi-Fi sources (including cell phones) nearby are minimized to reduce interference.

Enjoy your recording!