

Frequently asked questions

What are common noise sources ? JAGA16 has excellent signal quality (electrode (~MOhm) -driven noise is comparable to Johnson noise). If your data is noisy, one source of noise can be a poor connection of your electrodes to the JAGA device. Make sure your electrodes are properly attached to the JAGA16 electrode connector. If your electrodes are damaged or they fail to make a firm connection to the JAGA16 connector, your data will be noisy. Also make sure that your reference electrode is properly attached to the correct channel on JAGA16.

Signals can get intermittent?

Your computer CPU can be slow or you do have an additional RF traffic in your room.

How do you improve JAGA16 signal?

1. Try to see if JAGA 16 is a Wi-Fi congested area. (See below)
2. Avoid setting up your experiment in an area crowded with Wi-Fi routers, 2.4GHz wireless phones or microwave-based equipment.
3. Try connecting the router to your computer using an Ethernet cable. (See below)
4. If this fails, place the router and the JAGA device inside a Faraday cage. Connect the router to your computer via an Ethernet cable passed through an opening in the Faraday cage.

How do I find out whether JAGA16 is in a Wi-Fi congested location?

1. Scan the channels around you using iStumbler or other similar applications.
2. Find a channel that is not being used.
3. Access 192.168.8.1 on your website. Log in with “jaganet” as wireless SSID and the password provided to you, and press “Apply”. Go to Advanced Settings >Wireless Settings> Channels. Select the channel that is NOT widely used around you. Factory setting is set for Autoselect.
4. Also see our PDF document “How to find the best channel for jaganet for your environment”.

How do you connect the router to your computer using an Ethernet cable, not by Wi-Fi?

1. Turn off Wi-Fi on your computer.
2. Unplug and re-plug the router’s power.
3. Connect the router to your computer using an Ethernet cable. Use any of the yellow Ethernet port on the back of the router (do not use the WAN port). Select DHCP on your computer’s wired interface configuration.
4. Turn off the JAGA device, and then turn it back on.