

University of Plymouth

# Owl Setup Guide

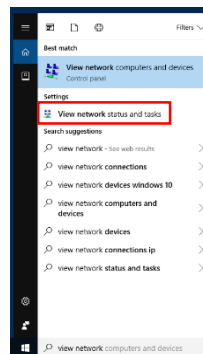
James Rogers

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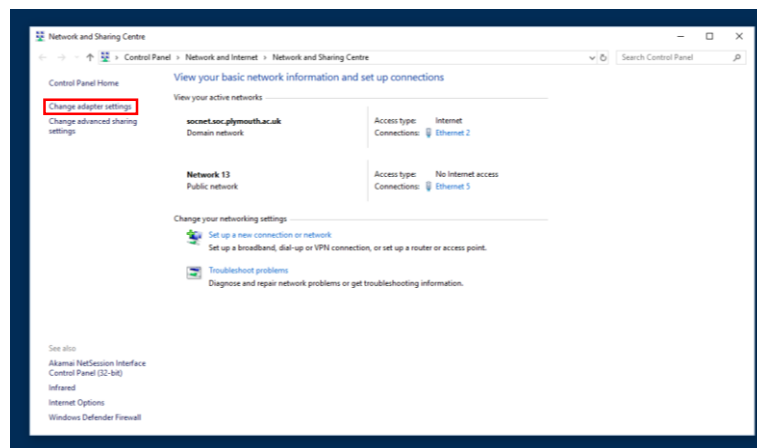


Plug the 5v mini USB power supply into the port marked PWR. Connect the owl to a computer via the port marked OTG. Wait approximately one minute for the owl to boot up before proceeding.

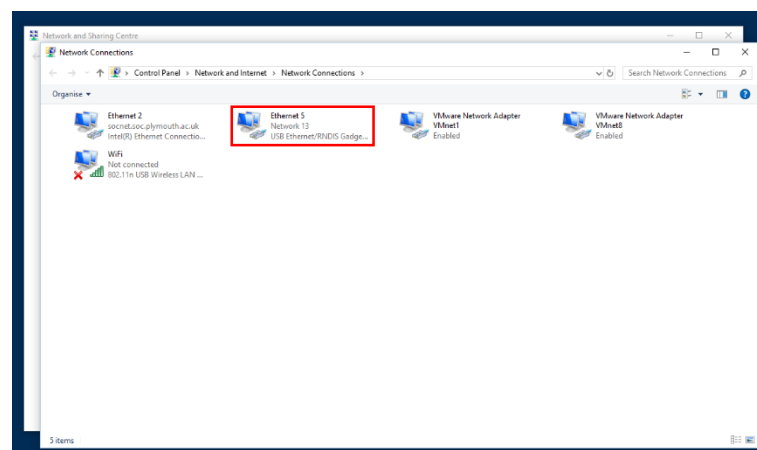
Type into windows search “view network status and tasks”, and click the icon linking to the control panel.



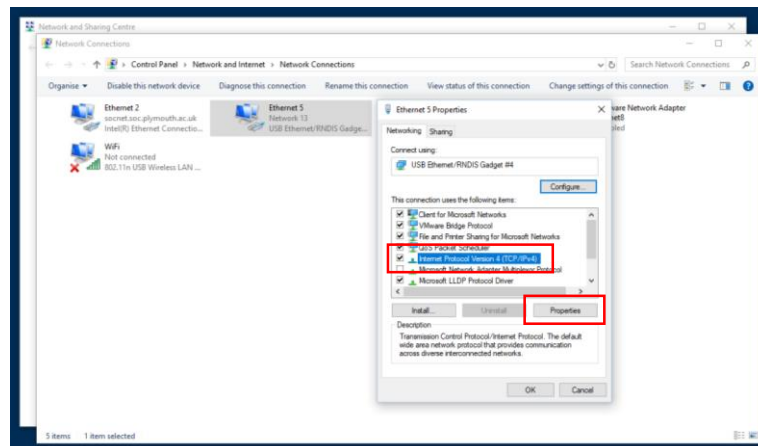
Click on the link called “Change adapter settings”



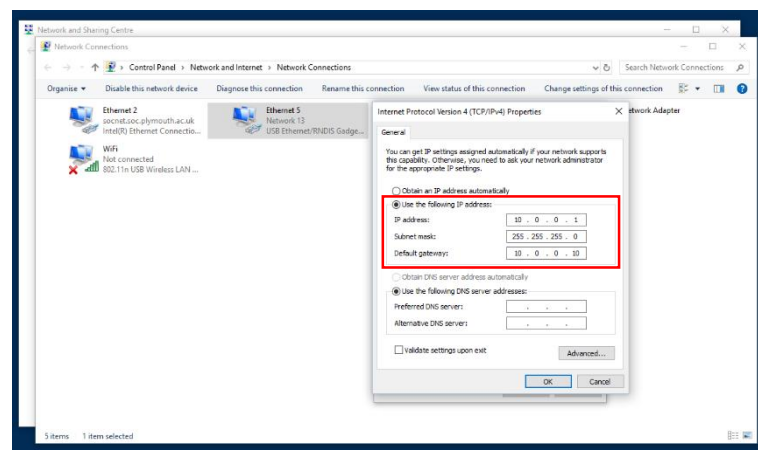
Look for an adapter called “USB Ethernet/RNDIS Gadget”. If you do not see this, try refreshing the window, or restarting the owl. Otherwise, right click the adapter and select properties.



Select “Internet Protocol Version 4” from the list of options, then click properties.



Select the option “Use the following IP address” and enter the details as shown in the image below.



If a window pops up titled “Microsoft TCP/IP”, click No.

Open PuTTY, and select the connection type “SSH”. Set the IP address as 10.0.0.10, and leave the port as 22. A window may pop up the first time you connect, just click “Yes”. Then enter “pi” as the user name and “raspberrypi” as the password.

Wait a few seconds for the terminal to log you in, before hitting the up arrow until you see the command “./OWLsocket”. This code must be running for the computer to communicate to the owls motors. **It will exit each time you finish running your code so make sure to restart it.**