**AUV Kayak Project : PC Setup Instructions for Ethernet  
Jasmine Nahorniak  
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**Requirements**

* Microsoft Windows 7.0 or later
* Matlab R2014b or later
* Open ports : 14551 & 14552 (see instructions below)
* Iridium / 900 MHz / Ethernet connection

**Software Requirements**

* judp.m (from Matlab Central)  
  <http://www.mathworks.com/matlabcentral/fileexchange/24525-a-simple-udp-communications-application>

**Opening a Port**

Ports can be opened from the Firewall section of the Windows Control Panel. These steps only need to be taken once per PC – the settings will be remembered. Step-by-step instructions follow below.

1. Open the Control Panel
2. Select “System and Security”
3. Select “Windows Firewall”
4. Select “Advanced Settings” from the left-hand menu
5. Select “Inbound Rules” from the left-hand menu
6. Select “New Rule …” from the right-hand menu
7. Select “Port” then “Next”
8. Select “UDP”, set “Specific local ports:” to **14451**, then click “Next”
9. Select “Allow the connection”
10. Select all three options (“Domain”, “Private”, “Public”)
11. Choose a name for your port (e.g. “Kayak\_Status”)
12. Enter a description (optional) and click “Finish”.

Upon completion, your new open port will appear at the top of the list of Inbound Rules. Note that next time you visit these Inbound Rules, your new rule will be listed amongst the other rules in alphabetical order.