ASUS WL-330gE Setup

Jason at NSS reserved MAC Addresses for Robots and ASUS Bridges:

- 1463EB1
 - ASUS Bridge MAC: E0-CB-4E-5D-E6-EA:
 - ASUS Bridge IP: 172.18.63.1
 - Robot MAC:00-80-2f-11-e0-29
 - Robot IP: 172.18.63.0 ese-robot-1463eb1.wufi.wustl.edu
- 14BCCCF
 - ASUS Bridge MAC: E0-CB-4E-1B-95-1A
 - ASUS Bridge IP: 172.18.63.3
 - Robot MAC: -----
 - Robot IP: 172.18.63.2 ese-robot-14BCCCF.wufi.wustl.edu
- 148CCC1
 - ASUS Bridge MAC: E0-CB-4E-5D-E2-50
 - ASUS Bridge IP: 172.18.63.5
 - Robot MAC: -----
 - o Robot IP: 172.18.63.4 ese-robot-.wufi.wustl.edu
- 1463EAB
 - ASUS Bridge MAC: E0-CB-4E-5D-E2-EB
 - ASUS Bridge IP: 172.18.63.7
 - Robot MAC: -----
 - o Robot IP: 172.18.63.6 ese-robot-1463EAB.wufi.wustl.edu
- 14BCCC5
 - ASUS Bridge MAC: E0-CB-4E-5D-E2-10
 - ASUS Bridge IP: 172.18.63.9
 - Robot MAC: -----
 - o Robot IP: 172.18.63.8 ese-robot-14BCCC5.wufi.wustl.edu

Configuration Instructions for WUFI

1. Reset device by holding the reset button for 10 seconds. Then turn off for 10 seconds and plug Ethernet cable into PC and turn on.



- a. Username: admin
 - b. Password: admin

WL-330gE - Microsoft Internet Expl	orer					
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	WL-330gE		AP		~	
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3. Select wunoreg and click on Connect. You will lose the connection to the ASUS at this point. The MAC addresses are in the QIP tables, so the IP will be automatically assigned according to the table above.

Internet Protocol (TCP/IP) Properties 🛛 🛛 🛛 🥐 🔀							
General							
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.							
Obtain an IP address automatically							
Ouse the following IP address: ──							
IP address:	172.18.63.2						
S <u>u</u> bnet mask:	255 . 255 . 224 . 0						
Default gateway:	172 . 18 . 63 . 254						
O Obtain DNS server address autom	atically						
O Use the following DNS server add	resses:						
Preferred DNS server:	128.252.0.1						
Alternate DNS server:	· · ·						
	Ad <u>v</u> anced						
	OK Cancel						

4. To test, change the network settings – Use the IP of the robot you are going to connect the bridge to. Make sure it is off the network.



5. Now configure the robot to use the IP from the table above. If you do not know the IP of the robot, then you need to reset the IP. Do this by by turning ON (Down) DipSwitch -3 and pressing the Reset switch. Then hit refresh in MAX.

Configuration Instructions for WEP Wireless Network



1. Click on the Adapter tab, select the SSID and Click Connect. Enter the WEP password if prompted. However, this doesn't seem to work so you have to add it again on the Advanced Settings page.

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2. Click on Advanced -> Wireless -> Interface. Click on AP Scan

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http://192.168.1.220/Advanced_WirelessAPScanPre_Content.asp							
AP Scan Results					Refresh	Close]
BSSID		SSID		Aut	hentication	Channel	Signal
00:1E:E5:01:CD:97	RJs		Select	WEP		6	-62 dBm
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3. Click Select for the correct SSID.

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Logout	Preferred Wireless Networks		
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	Authentication Method:	Shared Key	
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	WPA Pre-Shared Key:	0832d8a95e	
	WEP Encryption:	WEP-64bits	
	WEP Key Type:	HEX 💌	
	Passphrase:	asdfat	
	WEP Key 1 :	8E3404BFBB	
	WEP Key 2 :	2DDA3B8B2C	
	WEP Key 3 :	CAE36E36D6	
	WEP Key 4 :	7DA0E4440F	
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4. Enter either passphrase or WEP key directly and click Save to List and Apply.



5. Click on IP Config -> LAN and check Get IP Automatically and Finish.



6. Click Save & Restart. After it gets to 100% it starts clicking. Unplug the adapter for 10 seconds and plug it back in.

📧 C:\WINDOWS\system32\cmd.exe	- 🗆 🗙
Connection-specific DNS Suffix .: Autoconfiguration IP Address: 169.254.18.31 Subnet Mask: 255.255.0.0 Default Gateway	
C:\Documents and Settings\Richter-Jacobs>ipconfig	
Windows IP Configuration	
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Ethernet adapter Local Area Connection 5:	
Connection-specific DNS Suffix . : Autoconfiguration IP Address : 169.254.18.31 Subnet Mask : 255.255.0.0 Default Gateway :	
C:\Documents and Settings\Richter-Jacobs>	-

- Check and make sure that the adapter pulls a valid DHCP IP.
 When you plug it into the sbRIO, make sure you cycle power on the sbRIO otherwise it doesn't go out and get a new IP.