

ASUS WL-330gE Setup for Linksys Router in Bryan 316

- See [\\fs1.seas.wustl.edu\rem\Home\ESE497_UGradResearch\sbrIO_Robot\RobotIPsInBryan316.xlsx](file://fs1.seas.wustl.edu/rem/Home/ESE497_UGradResearch/sbRIO_Robot/RobotIPsInBryan316.xlsx) for list of IPs and MAC addresses of Robots and WAP and Ethernet to Wireless Adapters. We are using reserved DHCP so you can set the Robots to DHCP.
- Power on the robots with Dip Switch 3 (IP reset) in the down position and refresh the screen in MAX. This will configure the computer for DHCP. It should pull the IP listed in the table above.

Router Configuration

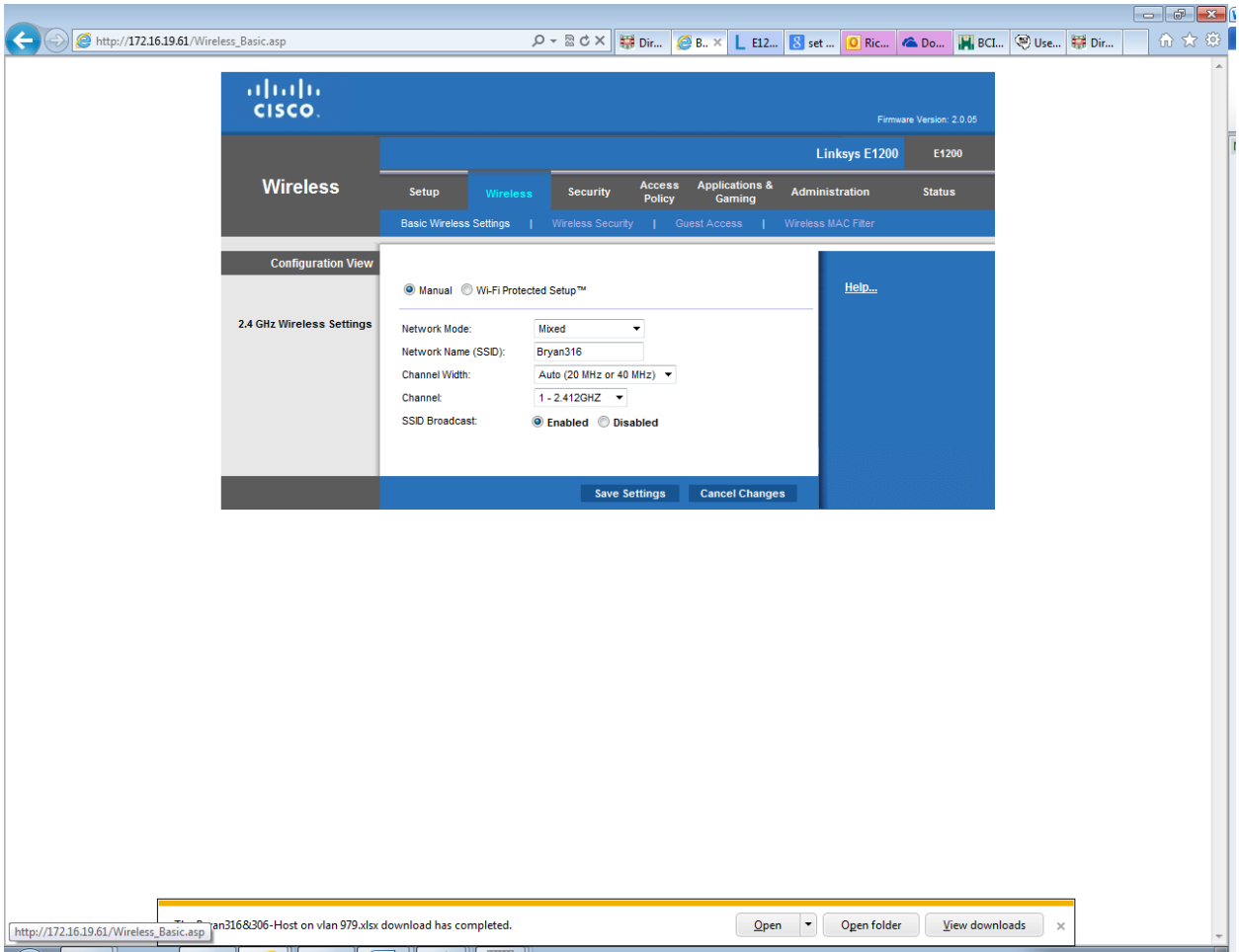
- IP: 172.16.19.61
- No Username
- Password: Ed's

The screenshot shows the Cisco Linksys E1200 router's web-based configuration interface. The browser address bar shows the URL <http://172.16.19.61/>. The page title is "Setup" and the firmware version is 2.0.05. The navigation menu includes "Setup", "Wireless", "Security", "Access Policy", "Applications & Gaming", "Administration", and "Status". The "Setup" page is divided into sections: "Language" (English), "Internet Setup" (Bridge Mode), "Network Setup" (Router Address), "Time Settings" (Time Zone), and "Reboot". The "Router Address" section is expanded, showing the following configuration:

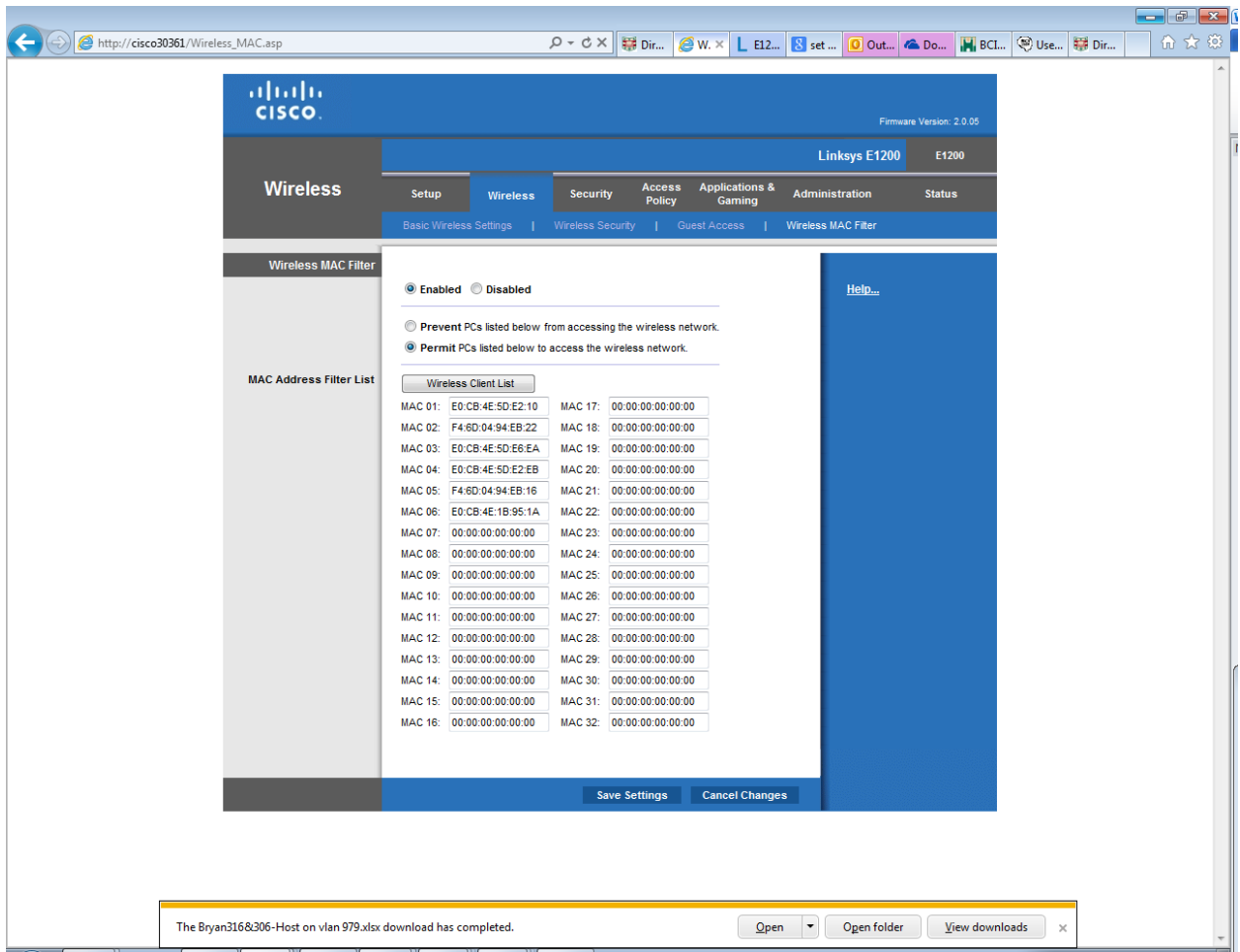
| | | | | |
|------------------------------------|------------|-----|-----|------|
| Automatically obtain an IP address | [v] | | | |
| IP Address: | 172 | 16 | 19 | .61 |
| Subnet Mask: | 255 | 255 | 255 | .192 |
| Default Gateway: | 172 | 16 | 19 | .62 |
| Router Name: | Cisco30361 | | | |

The "Time Zone" is set to "(GMT-06:00) Central Time (USA & Canada)" and the checkbox "Automatically adjust clock for daylight saving changes" is checked. A "Reboot" button is visible at the bottom of the configuration section. At the bottom of the browser window, a notification states: "The Bryan3168&306-Host on vlan 979.xlsx download has completed." with buttons for "Open", "Open folder", and "View downloads".

- Setup Page



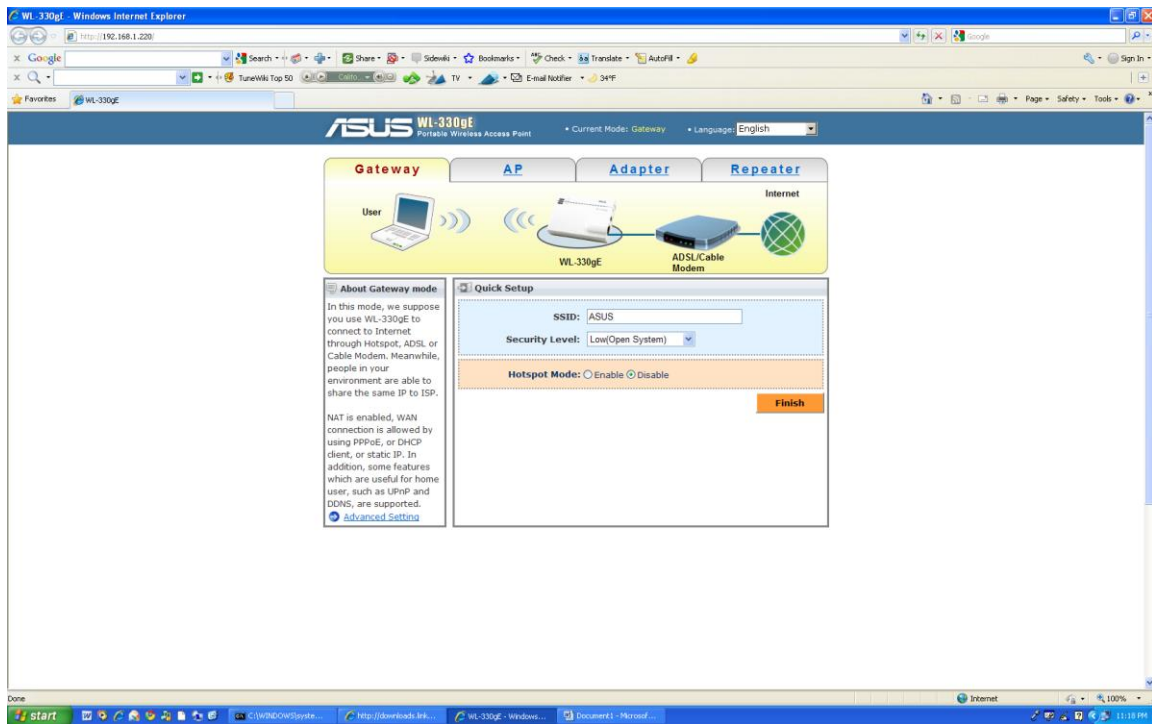
- Wireless



- Wireless/Wireless MAC Filter
- You must reboot and wait for refresh led on router to stop blinking for changes to take effect

Configuration Instructions for Ethernet to Wireless Adapters

1. To connect to the adapter set the IP on a computer to static 192.168.1.221 and plug the adapter into the computer
2. Reset device by holding the reset button for 10 seconds. Then turn off for 10 seconds and plug Ethernet cable into PC (set up for staDHCP) and turn on.



3. Browse to 192.168.1.220
 - a. Username: admin
 - b. Password: admin

The screenshot shows the ASUS WL-330gE web interface in Microsoft Internet Explorer. The browser address bar shows `http://192.168.1.220/Wizard_Adapter.asp`. The page title is "ASUS WL-330gE Portable Wireless Access Point". The current mode is "Gateway" and the language is "English".

Four modes are available: Gateway, AP, Adapter (selected), and Repeater. A diagram illustrates the Adapter mode: a User (computer) connects to the WL-330gE device, which connects to an AP (Access Point), which in turn connects to the Internet.

The "About Adapter mode" section states: "In this mode, WL-330gE acts as a wireless network adapter connecting to WLAN. Your devices can connect to WLAN through the Ethernet port of WL-330gE." A link for "Advanced Setting" is provided.

The "Quick Setup" section contains an "Available Network List" table:

| SSID | Channel | Authentication | Signal | Status |
|--|---------|----------------|------------------|--------|
| <input type="radio"/> GUESTWIFI-WUSTL | 6 | | Full signal bars | |
| <input type="radio"/> WUFI | 6 | | Full signal bars | |
| <input checked="" type="radio"/> wunoreg | 6 | | Full signal bars | |
| <input type="radio"/> WUFI-S | 6 | WPA / 802.1X | Full signal bars | |
| <input type="radio"/> wucon wireless | 6 | WEP | Full signal bars | |
| <input type="radio"/> LAW-S | 6 | WPA / 802.1X | Full signal bars | |

Buttons for "Add", "Connect", and "Refresh" are located below the table.

4. Select Bryan316 and click on Connect. You will temporarily 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.