Installation Guide

Universal 5-Port Wi-Fi N Ethernet Hub

GWU647

PART NO. M1200

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Package Contents

- 1 X Universal 5-Port Wi-Fi N Ethernet Hub
- 1 X AC to USB Power Cable
- 1 X AC to USB Power Adapter
- 1 X Ethernet Cable
- 1 X Quick Start Guide
- 1 x Warranty Card

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System Requirements

- Operating System
  - Windows XP, Windows Vista, Windows 7
  - Mac OS X v10.4 and above
- Wireless network with WPS setup
- Wireless network without WPS setup and computer

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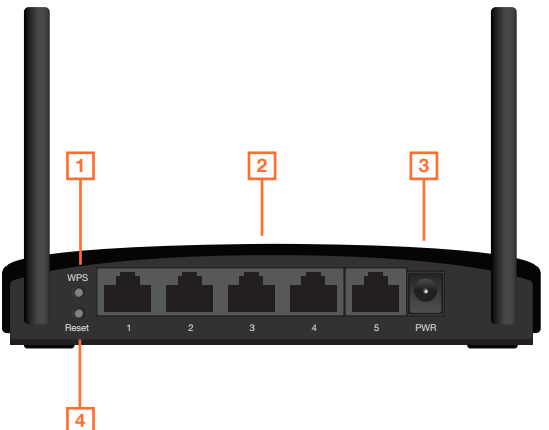
Product Overview

1. WPS Button
Push and hold the WPS button for 5~10 seconds to enable the WPS feature.

2. Ethernet Port
The Ethernet port allows a LAN connection through Cat 5 cables. Supports auto-sensing at 10/100M speed, half/ full duplex.

3. AC Power
AC Power Adapter

4. Reset Button
Push and hold the reset button for 5~10 seconds to reset the Wi-Fi Hub to factory default setting



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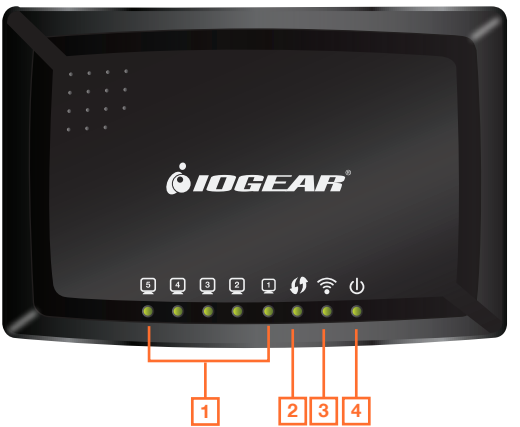
LED Indicator State Description

1. LAN LED
Flashing - Data is transmitting or receiving on the LAN interface.
On - Port linked.
Off – No link.

2. WPS LED
Flashing - The WPS feature is enabled and in use.
Off - The WPS feature is not in use.

3. WLAN LED
Flashing - WLAN is transmitting or receiving data.
Off - WLAN is off

4. Power LED
On - Power on.
Off - Power off.



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Installation

Wireless Setup with WPS

Step 1: Power on your Universal WiFi Hub using **either** of these methods:

• Connect the AC Adapter cable to a device. Make sure that the device where you connect the AC Adapter cable is powered on.

• Connect the WiFi Hub to an electrical outlet with the included power adapter.

Note: It will take about 50 seconds to complete the boot-up sequence. When complete, PWR (power) LED will be active, and the WLAN Activity LED will be blinking to show the WLAN interface is enabled.

Step 2: Use the included RJ-45 Ethernet cable to connect the WiFi Hub with your device such as Blu-ray player, HDTV, or game console.

Step 3: Refer to your wireless router's user manual to enable the WPS function, then press "WPS" button on the back of WiFi Hub.

Your installation is complete. If asked for the type of connection, make sure "WIRED" is selected on your device.

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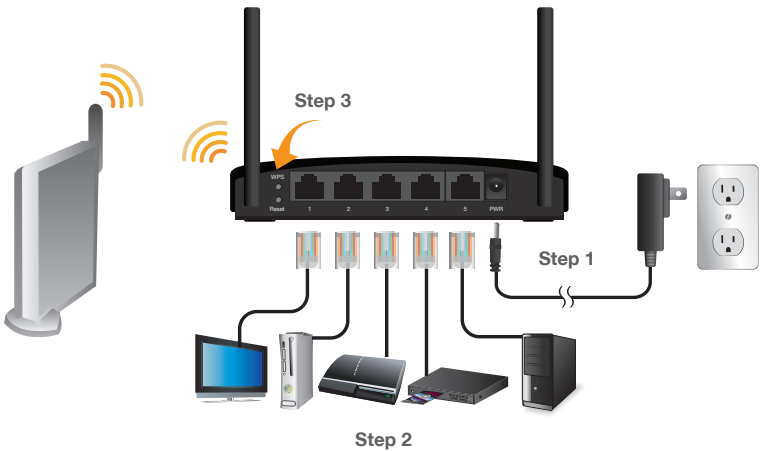

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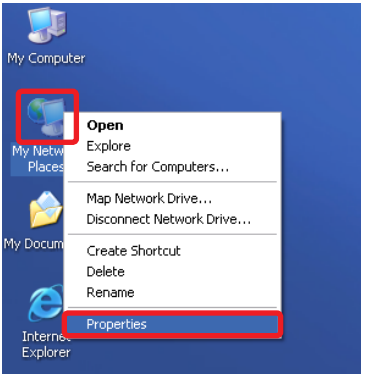
Installation without WPS - Windows XP

Step 1: Turn off your computer's wireless connection (if applicable) and disconnect the Ethernet cable currently connect to your computer (if applicable).

Step 2: Use the included RJ-45 Ethernet cable to connect the WiFi Hub with your computer.

Step 3: Set your computer with a static IP address.

a. Right click on **"My Network Places"** and select **"Properties"**.



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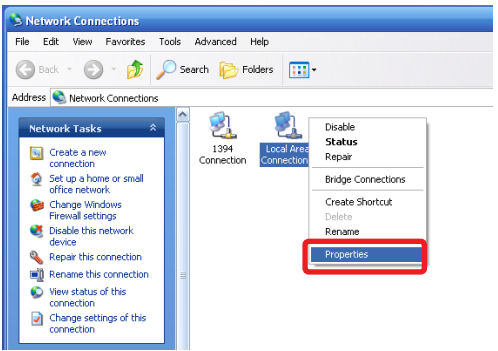
b. Next, right click on **“Local Area Connection”** and select **“Properties”**.



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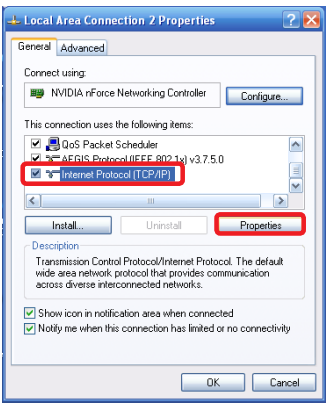
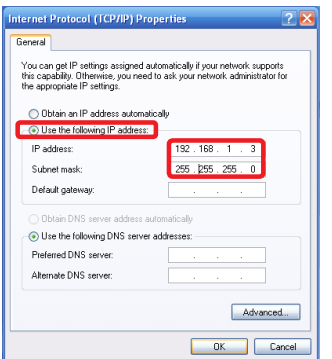
c. Select **“Internet Protocol (TCP/IP)”** then select **“Properties”**.



D. Select **“Use the following IP address”** and enter 192.168.1.3 in the IP address section. Next enter 255.255.255.0 in the Subnet Mask. Click OK.



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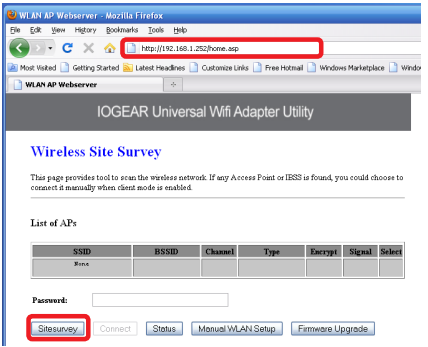
Step 4: Open your web browser and enter **192.168.1.252**. This will bring up the configuration utility. Click **"Site Survey"** to scan for your wireless network.



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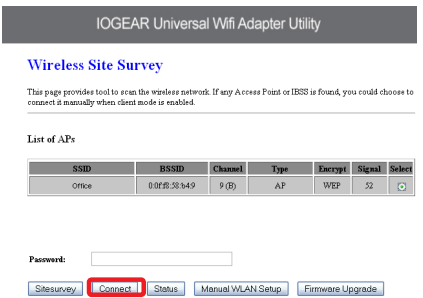
Step 5: Select the AP you want to connect to and enter the password if the network is secured. Click the **"Connect"** button to establish the connection.

If your network security settings are set to not broadcast your SSID, then you will need to manually set up the SSID and the wireless security (WEP or WPA). (Please see Page. 37)



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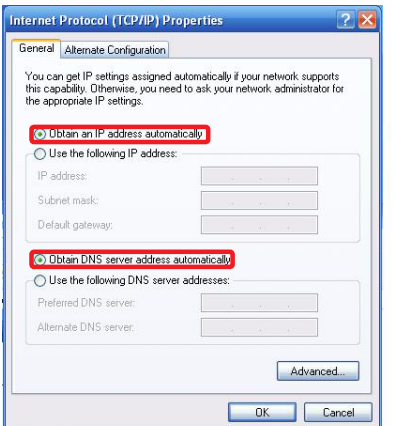
Step 6: Close your browser and change the network settings on your computer back to DHCP (Obtain an IP address Automatically & Obtain DNS server address automatically). Refer to steps 3a through 3d. Also do not forget to enable your wireless connection if you disabled it.

Step 7: Disconnect the Ethernet cable from your computer.

Step 8: Use the included RJ-45 Ethernet cable to connect the WiFi Hub with your device such as a Blu-Ray player, HDTV, or game colsole.

Step 9: Power on your Hub using the AC adapter.

The installation is complete. Your device is now wireless. If the device asks for the type of internet connection, make sure “WIRED” is selected.



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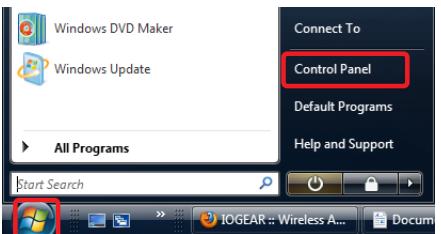
Installation without WPS - Windows Vista

Step 1: Turn off your computer's wireless connection (if applicable) and disconnect the Ethernet cable currently connect to your computer (if applicable).

Step 2: Use the included RJ-45 Ethernet cable to connect the WiFi Hub with your computer.

Step 3: Set your computer with a static IP address.

a. Click the start button, the click on Control Panel.



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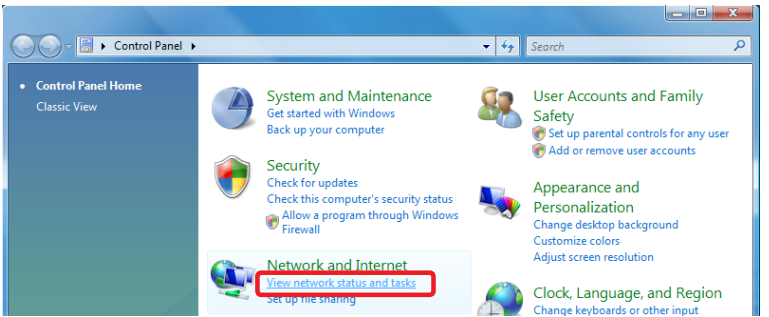
b. Under Network and Internet, click **“View network status and tasks”**.



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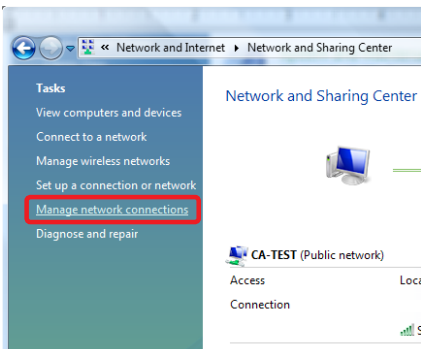
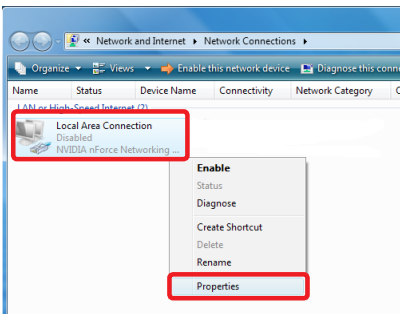
c. Under Tasks in the left pane, click **“Manage network connections”**.



d. Next, right click on **“Local Area Connection”** and click **“Properties”**.



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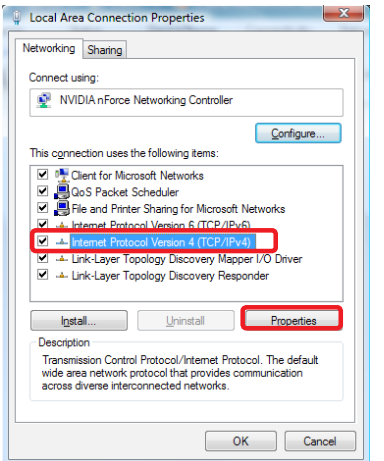
e. Next, select **“Internet Protocol Version 4 (TCP/IPv4)”** and click **“Properties”**



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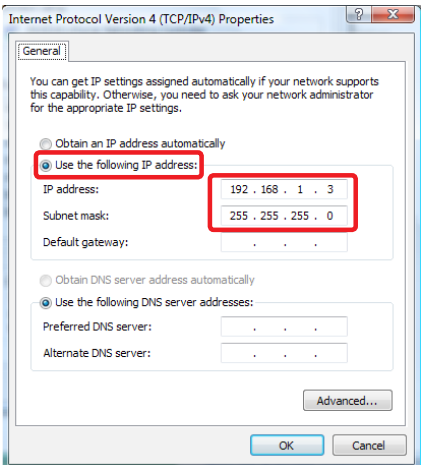
f. Select **“Use the following IP address”** and enter **192.168.1.3** in the IP address section. Next enter **255.255.255.0** in the Subnet Mask. Click OK.



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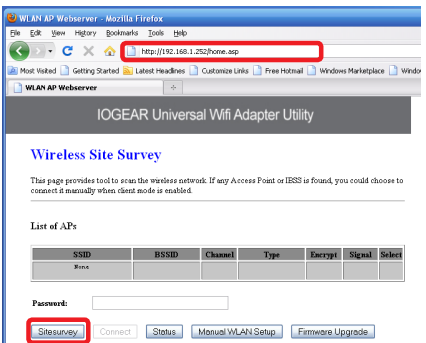
Step 4: Open your web browser and enter **192.168.1.252**. This will bring up the configuration utility. Click "**Site Survey**" to scan for your wireless network.



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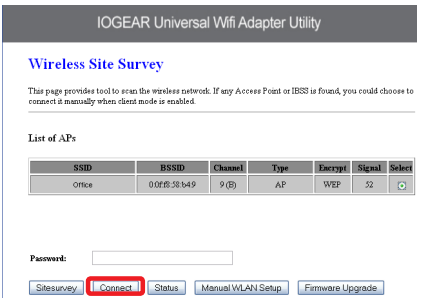
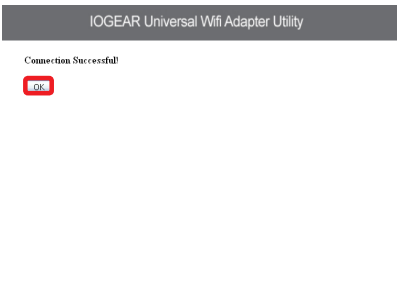
Step 5: Select the AP you want to connect to and enter the password if the network is secured. Click the **"Connect"** button to establish the connection.

If your network security settings are set to not broadcast your SSID, then you will need to manually set up the SSID and the wireless security (WEP or WPA). (Please see Page. 37)





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Step 6: Close your browser and change the network settings on your computer back to DHCP (Obtain an IP address Automatically & Obtain DNS server address automatically). Refer to steps 3a through 3d. Also do not forget to enable your wireless connection if you disabled it.

Step 7: Disconnect the Ethernet cable from your computer.

Step 8: Use the included RJ-45 Ethernet cable to connect the WiFi Hub with your device such as a Blu-Ray player, HDTV, or game colsole.

Step 9: Power on your Hub using the AC adapter.

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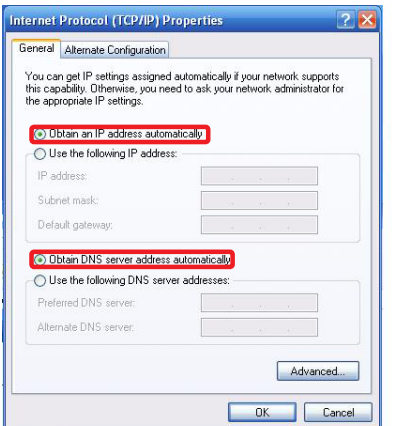

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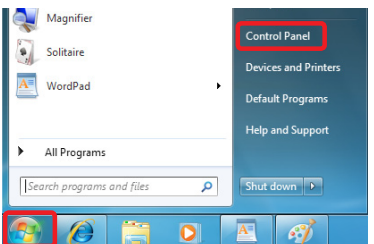
Installation without WPS - Windows 7

Step 1: Turn off your computer's wireless connection (if applicable) and disconnect the Ethernet cable currently connect to your computer (if applicable).

Step 2: Use the included RJ-45 Ethernet cable to connect the WiFi Hub with your computer.

Step 3: Set your computer with a static IP address.

a. Click the start button, the click on **Control Panel**.



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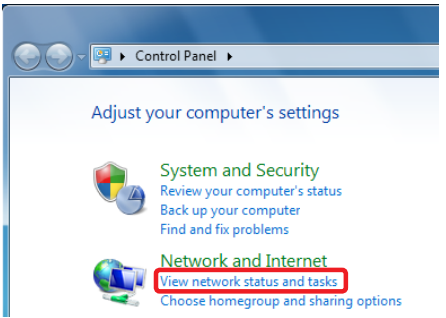
b. Under Network and Internet, click **“View network status and tasks”**.



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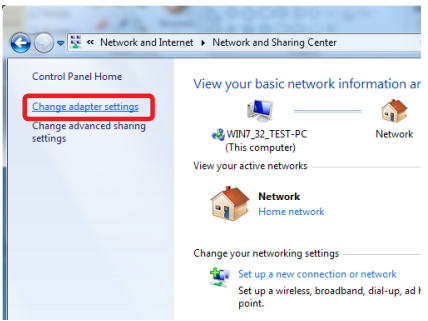
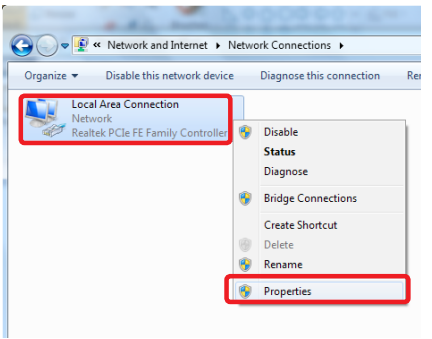
c. Under Tasks in the left pane, click **“Change Adapter Settings”**.



d. Next, right click on **“Local Area Connection”** and click **“Properties”**.



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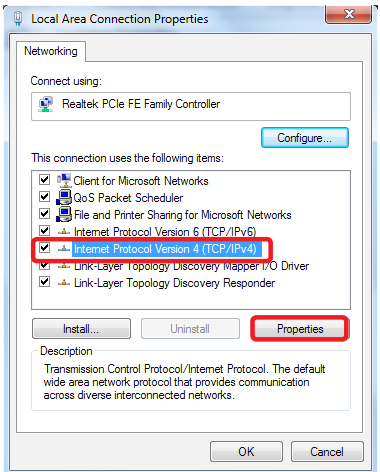
e. Next, select **“Internet Protocol Version 4 (TCP/IPv4)”** and click **“Properties”**



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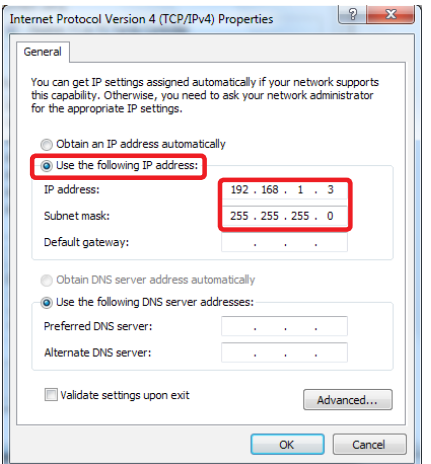
f. Select **“Use the following IP address”** and enter **192.168.1.3** in the IP address section. Next enter **255.255.255.0** in the Subnet Mask. Click OK.



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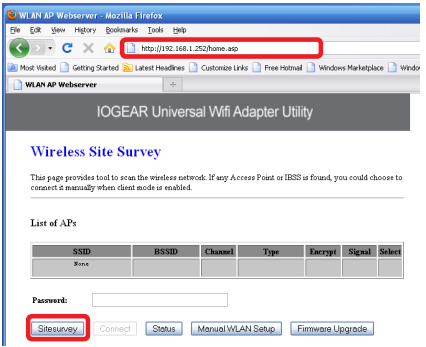
Step 4: Open your web browser and enter **192.168.1.252**. This will bring up the configuration utility. Click "**Site Survey**" to scan for your wireless network.



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Step 5: Select the AP you want to connect and enter the password if the network is secured. Click **"Connect"** button to establish the connection.

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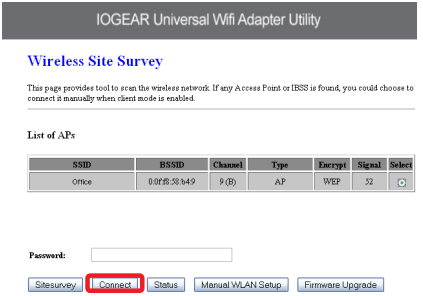

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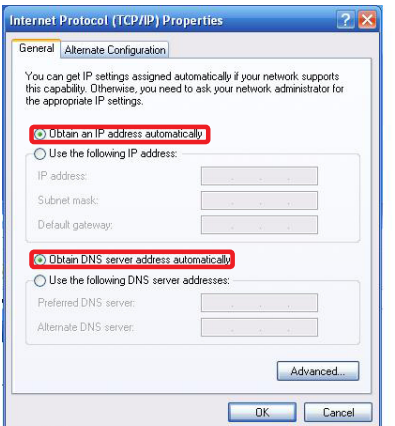

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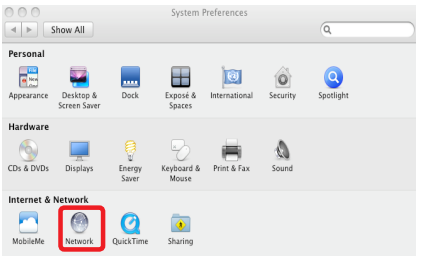
Installation without WPS - Mac

Step 1: Turn off your computer's wireless connection (if applicable) and disconnect the Ethernet cable currently connect to your computer (if applicable).

Step 2: Use the included RJ-45 Ethernet cable to connect the WiFi Hub with your computer.

Step 3: Set your computer with a static IP address.

a. Open system preferences and select "Network".



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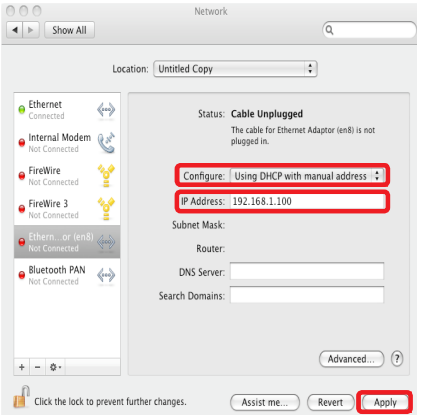
b. Select your Ethernet connection in the left pane. Next change configure to Manual and enter IP address 192.168.1.100 and Subnet Mask 255.255.255.0. Remove any entries in the Router and DNS boxes then click Apply.



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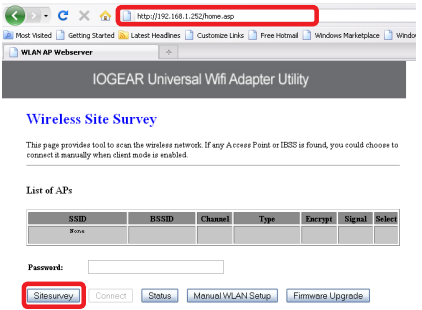

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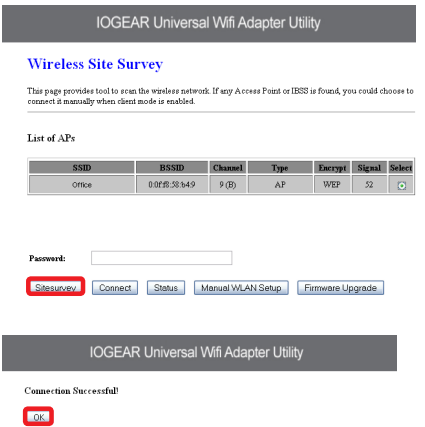
Step 5: Select the AP you want to connect to and enter the password if the network is secured. Click the **"Connect"** button to establish the connection.

If your network security settings are set to not broadcast your SSID, then you will need to manually set up the SSID and the wireless security (WEP or WPA). (Please see Page. 37)



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Step 6: Close your browser and change the network settings on your computer back to DHCP. Refer to steps 3a through 3b.

Step 7: Disconnect the Ethernet cable from your computer.

Step 8: Use the included RJ-45 Ethernet cable to connect the WiFi Hub with your device such as a Blu-Ray player, HDTV, or game colsole.

Step 9: Power on your Hub using the AC adapter.

The installation is complete. Your device is now wireless. If the device asks for the type of internet connection, make sure “WIRED” is selected.

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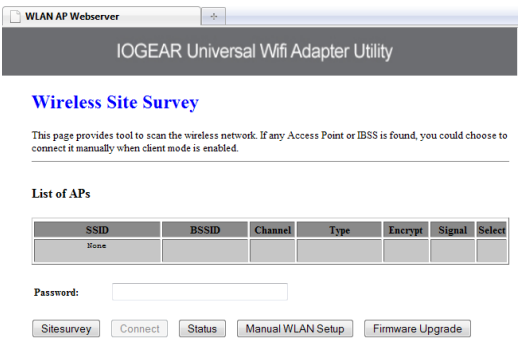
Manual Set Up

If your network security settings are set to not broadcast your SSID, then you will need to manually set up the SSID and the wireless security (WEP or WPA).

Step 1: Click “Manual WLAN Setup” to start the Setup Wizard



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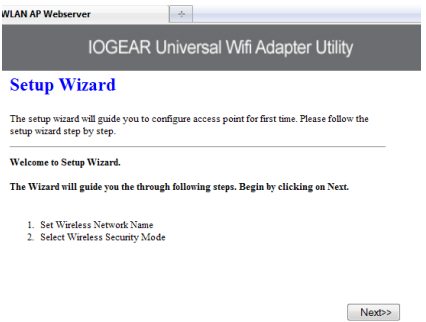
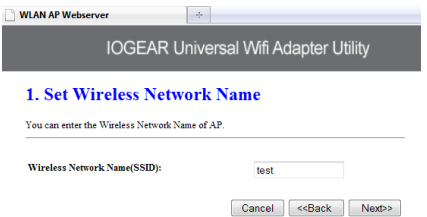
Step 2: Click “Next”



Step 3: Enter your networks SSID and click “Next”



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Step 4: Enter your encryption information and click “Finished”

Step 5: The Universal Wi-Fi Hub will now reboot.

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Step 6: Close your browser and change the network settings on your computer back to DHCP (Obtain an IP address Automatically & Obtain DNS server address automatically). Also do not forget to enable your wireless connection if you disabled it.

Step 7: Disconnect the Ethernet cable from your computer.

Step 8: Use the included RJ-45 Ethernet cable to connect the WiFi Hub with your device such as a Blu-Ray player, HDTV, or game colsole.

Step 9: Power on your Hub using the AC adapter.

The installation is complete. Your device is now wireless. If the device asks for the type of internet connection, make sure “WIRED” is selected.

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Firmware Upgrade

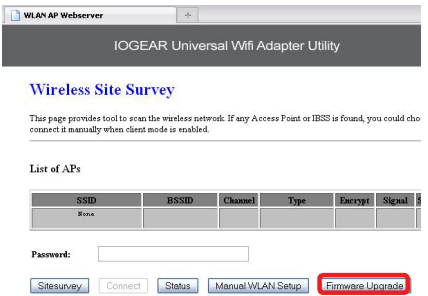
Note: If a firmware update is available, it will be posted on iogear.com. Please check http://www.iogear.com/support/dm/

Step 1: Turn off your computer's wireless connection (if applicable) and disconnect the Ethernet cable currently connect to your computer (if applicable).

Step 2: Use the included RJ-45 Ethernet cable to connect the WiFi Hub with your computer.

Step 3: Set your computer with a static IP address.

Step 4: Open your web browser and enter **192.168.1.252**. This will bring up the configuration utility. Click the **"Firmware Upgrade"** button.



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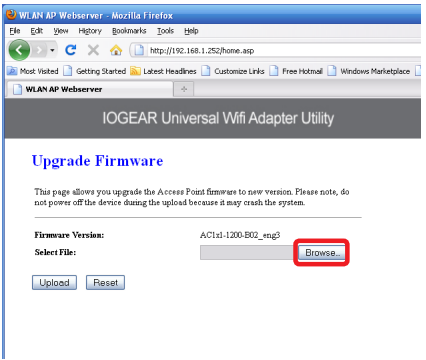
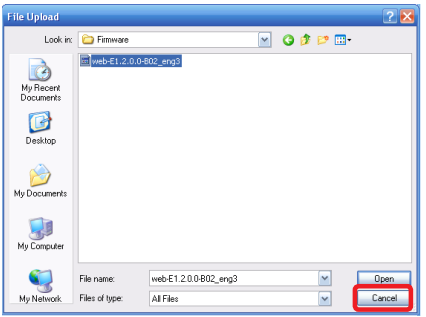
Step 5: Click **"Browse"** and located your firmware file, select it, and click **"Open"**.





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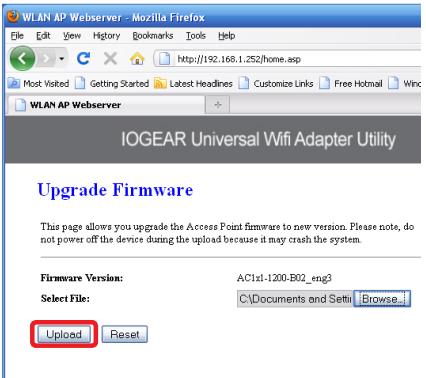
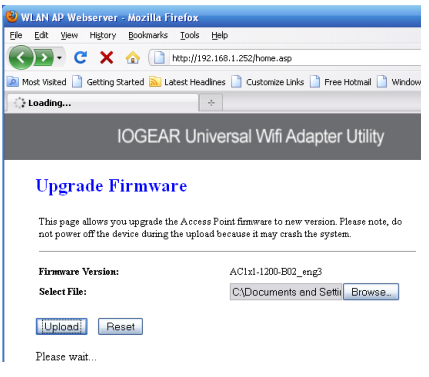
Step 6: Click **"Upload"** to start the firmware upgrade process.





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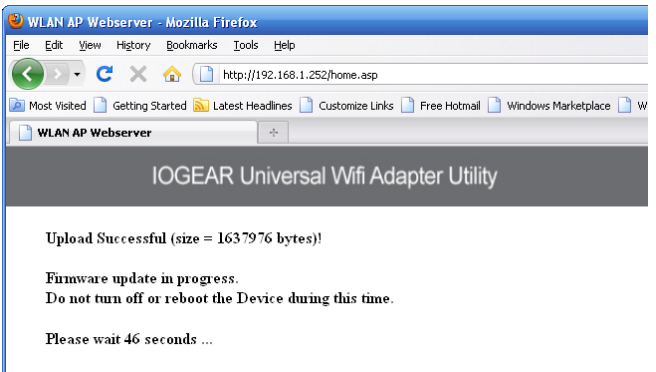
Firmware update complete. Wait for the device to reboot before disconnecting.



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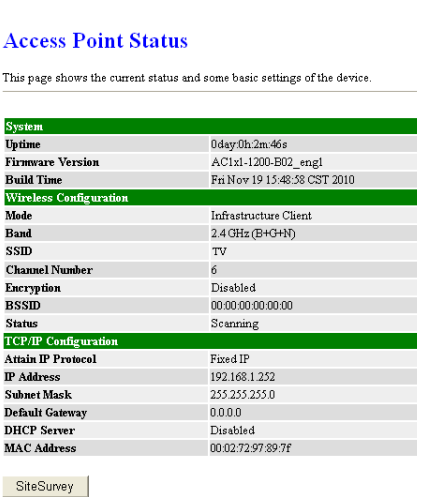
Once the device is finished rebooting, you will see a status screen. Check your settings. After a firmware upgrade, the Universal Wifi Hub may reset back to factory settings and need to be set up for your network again.



Access Point Status

This page shows the current status and some basic settings of the device.

System	
Uptime	0day:0h:2m:46s
Firmware Version	AC1x1-1200-B02_eng1
Build Time	Fri Nov 19 15:48:58 CST 2010
Wireless Configuration	
Mode	Infrastructure Client
Band	2.4 GHz (B+G+N)
SSID	TV
Channel Number	6
Encryption	Disabled
BSSID	00:00:00:00:00:00
Status	Scanning
TCP/IP Configuration	
Attain IP Protocol	Fixed IP
IP Address	192.168.1.252
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
DHCP Server	Disabled
MAC Address	00:02:72:97:89:7f

SiteSurvey

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Federal Communications Commission (FCC) Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential setting. This product generates, uses, and can radiate radio frequency energy and, if not installed and used as directed, it may cause harmful interference to radio communications. Although this product complies with the limits for a Class B digital device, there is no guarantee that interference will not occur in a particular installation.

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CE Compliance

This device has been tested and found to comply with the following European Union directives: Electromagnetic Capability (89/336/EMC), Low Voltage (73/23/EEC) and R&TTED (1999/5/EC).

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SJ/T 11364-2006

The following contains information that relates to China.

部件名称	有毒有害物质或元素					
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电器部件	●	○	○	○	○	○
机构部件	○	○	○	○	○	○

○:表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006规定的限量要求之下。

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