



MACINTOSH INSTALLATION INSTRUCTIONS FOR
**MacWireless High Power 11g Ethernet Adapter
(1 Watt)**

Table of Contents	
Introduction	1
Pre-Configuration	1
OS 9	1
OS X 10.2.x – 10.4.x	2
OS X 10.5.x	2
Configuration	2
Post-Configuration	3
OS 9	3
OS X 10.2.x – 10.4.x	3
OS X 10.5.x	3
Hardware Reset	3
Troubleshooting	3



Introduction

Thank you for purchasing the MacWireless High Power 11g Ethernet Adapter! The High Power 11g Ethernet Adapter requires OS 9 or higher. We have provided configuration instructions for OS 9, OS 10.2.x – 10.4.x, and OS 10.5.x. When following the instructions below, be sure to choose the correct configuration section for your operating system.

If you experience a problem during the installation, refer to the troubleshooting guide at the end of this document. We also recommend updating your operating system to the latest version. Free updates are available using Apple menu > Software Update and at www.apple.com.

Pre-Configuration

1. Attach the included antenna to the Ethernet Adapter.
2. Attach the power supply to the Ethernet Adapter and plug it into the wall.
3. Using an ethernet cable, connect one end of the cable to your computer's ethernet port and the other end to the ethernet port on the adapter.

OS 9

1. Open the TCP/IP Control Panel.
2. Create a new preset.
3. Choose File > Configurations...
4. Choose Location > New Location...
5. Click "Duplicate..."; type in "HP MW Adapter Configuration".
6. Click "Make Active".
7. Choose Connect via: Ethernet Built-in.
8. Choose Configure: Manually.
9. In the IP Address field, type: "192.168.1.10"
10. In the Subnet Mask text field, type: "255.255.255.0"
11. Close the TCP/IP window and choose "Save".
12. Pre-configuration is complete. Move on to the configuration section below.

Pre-Configuration, continued.

OS 10.2.x - 10.4.x

1. Go to Apple Menu > System Preferences > Network.
2. Choose Location > New Location...
3. Name the new location "HP MW Adapter Configuration". Click Ok.
4. Choose Show > Network Port Configurations. Please note that this is not the "show all" button at the very top of the window.
5. Check the "Built In Ethernet" box. Uncheck all other network ports.
6. Choose Show > "Built In Ethernet".
7. Choose Configure IPV4 > Manually.
8. In the IP Address field, type: "**192.168.1.10**".
9. In the subnet mask field, type: "**255.255.255.0**".
10. Click "Apply Now".
11. Pre-configuration is complete. Move on to the configuration section below.

OS 10.5.x

1. Go to Apple Menu > System Preferences > Network.
2. Pull down the Location menu and choose Edit Locations. Click on the plus sign to make a new location.
3. Name the new location "HP MW Adapter Configuration ". Click done.
4. Pull down the Location menu again and choose "HP MW Adapter Configuration" if it's not already selected.
5. In the column on the left you should see "Ethernet" as well as others Network Ports listed [example: Airport, Modem..]. The only network port you need to have on this list is "Ethernet". You will need to remove the other Network Ports from this list by selecting them and then clicking the – button at the bottom of the list
6. In the column on the left, click once on "Ethernet".
7. In the right side of the window, you will see Configure. By default you need this is set to Using DHCP. You need to change this to Manually.
8. In the IP address field, type: "**192.168.1.10**".
9. In the subnet mask field, type: "**255.255.255.0**".
10. Click Apply.
11. Pre-configuration is complete. Move on to the configuration section below.

MacWireless 11g High Power Ethernet Adapter Configuration

The following instructions are valid for OS 9, OS 10.2.x – 10.4.x, and 10.5.x. The configuration section requires that you know whether or not your wireless network is encrypted. Encryption means that the network requires a password to join. If you are unsure of your encryption settings, check with your network administrator or contact the manufacturer of your base station before proceeding.

If the network you are connecting to is not using encryption:

1. Open a web browser [Example: Firefox, Safari..] to <http://192.168.1.1/> Safari and Internet Explorer will not display the web pages correctly. For OS 9, we recommend Mozilla. For OS X, we recommend Firefox.
2. Log in with username "admin" and password "admin".
3. On the left-hand side of the screen, go to Wireless > Site Survey and click refresh. A list of available wireless networks will appear.
4. Click the button in the "select" column in the row of the network you would like to join, and then click connect. You will receive a message that the attempt to connect has been successful. Click OK and move on to the post-configuration section.

If the network you are connecting to is already using encryption:

1. Open a web browser to <http://192.168.1.1/> Safari will not display the web page correctly. In OS 9, use Mozilla or Internet Explorer. In OS X, use Firefox.
2. Log in with username "admin" and password "admin".
3. On the left-hand side of the screen, go to Wireless > Security. Configure your encryption settings to match those of the network you would like to join, then click "Apply Changes". If you are unsure of your encryption settings, check with your network administrator or contact the manufacturer of your base station.
4. You will receive a message saying that the changes have been applied. Click OK.
5. On the left-hand side of the screen, go to Wireless > Site Survey and click refresh. A list of available wireless networks will appear.
6. Click the "select" button in the row of the network you would like to join, and then click connect. You will receive a message that the attempt to connect has been successful. Click OK and move on to the post-configuration section.

Post-Configuration

OS 9

1. Open the TCP/IP control panel.
2. Create a new preset:
 - a. Choose File > Configurations...
 - b. Click "Duplicate..."; type in "HP MW Adapter Using DHCP."
 - c. Click "Make Active".
 - d. Choose Connect via: Ethernet Built-in.
 - e. Choose Configure: Using DHCP Server.
3. Close the TCP/IP Control Panel and choose "Save."
4. Post-Configuration is complete! Your Ethernet Adapter is now ready to use.

OS 10.2.x - 10.4.x

1. Go to Apple Menu > System Preferences > Network.
2. Choose Location > New Location...
3. Name the new location "HP MW Adapter Using DHCP". Click ok.
4. Choose Show > Network Port Configurations. Please note that this is not the "show all" button at the very top of the window.
5. Check the "Built In Ethernet" box. Uncheck all other network ports.
6. Choose Show > "Built In Ethernet".
7. Choose Configure IPV4 > "Using DHCP".
8. Click "Apply Now".
9. Post-Configuration is complete! Your Ethernet Adapter is now ready to use.

OS 10.5.x

1. Go to Apple Menu > System Preferences > Network.
2. Pull down the Location menu and choose Edit Locations. Click on the plus sign to make a new location.
3. Name the new location "HP MW Adapter Using DHCP". Click done.
4. Pull down the Location menu again and choose "HP MW Adapter Using DHCP" if it's not already selected.
5. In the column on the left you should see "Ethernet" as well as others Network Ports listed [example: Airport, Modem..]. The only network port you need to have on this list is "Ethernet". You will need to remove the other Network Ports from this list by selecting them and then clicking the - button at the bottom of the list
6. In the column on the left, click once on "Ethernet".
7. In the right side of the window, you will see Configure. Select Using DHCP.
8. Click Apply.
9. Post-Configuration is complete! Your Ethernet Adapter is now ready to use.

Hardware Reset Procedure

If the device becomes unresponsive, or if you would like to reconfigure the unit, you can reset the unit to factory defaults using the procedure below. Please note that the timing is very important.

1. Go to Apple menu > Location and select "HP MW Adapter Configuration."
2. Unplug the power cable from the unit.
3. Plug the power cable back in and count thirty seconds. At thirty seconds, hold down the reset button on the back of the unit for ten seconds and release. The unit will take forty-five seconds to reboot after the reset button is released.
4. Once the device has finished rebooting, you will be able to access the configuration area by opening a web browser and typing in one of the following addresses: 192.168.1.1, 192.168.1.2, or 192.168.1.254. When you are prompted for a username and password, you know you have the right address. You can then reconfigure the unit by starting from step 3 of the configuration section above.

Troubleshooting

We strongly recommend that you disable encryption on your network before configuring the Ethernet adapter. Once the connection is working, then reapply encryption and reconfigure the adapter according the instructions above.

When I type in the address for the web-based configuration utility, my browser cannot find the page.

Make sure that your computer is using the "HP MW Adapter Configuration" setting as defined in the instructions above. OS 9 users can find this setting in Apple Menu -> Control Panels -> TCP/IP -> File Menu -> Configurations. OS X users in Apple Menu -> System Preferences -> Network -> Location. Once your configuration setting is correct, type 192.168.1.1 into the address bar. If the page still does not load, follow the Reset Procedure documented in the previous section. After the Reset,

Troubleshooting, Continued.

No wireless networks are detected in the Site Survey Menu.

Move closer to the source.

You may be out of range. Try moving your computer closer to the source of the wireless network.

Verify that your network is visible.

Check on another wireless computer to see if the network appears. If it does not, the problem is with your wireless router – contact the manufacturer of your router for assistance. If the network does appear on the other computer, move on to the next step.

The wireless network I would like to join is not listed in the Site Survey Menu.

Move closer to the source.

You may be out of range. Try moving your computer closer to the source of the wireless network.

Verify that your network is visible.

Check on another wireless computer to see if the network appears. If it does not, the problem is with your wireless router – contact the manufacturer of your router for assistance. If the network does appear on the other computer, move on to the next step.

My wireless network appears as an option, but I cannot connect to it.

Verify the encryption.

If your wireless network requires a password, then it is encrypted. Temporarily disable the encryption, then attempt to connect again. If you are unsure about how to disable encryption, contact the manufacturer of your wireless router for assistance. Once you have disabled it, if you can connect successfully, then we know it is an encryption problem. Reconfigure the encryption, verify your password.

I can connect to my wireless network, but I cannot access the Internet.

Verify your network settings.

Go to Apple menu > System Preferences > Network. In OS 10.3.x or 10.4.x, go to Show > Built In Ethernet. In 10.5.x, click on Ethernet in the column on the left. Make sure you are set to Configure: Using DHCP. Also, take a look at the IP address field. If no IP address is shown, or the address starts with 169, move on to the next troubleshooting step. If the IP address does not start with 169, try the Internet again. If you still cannot connect, there is likely a problem with your router. Contact the manufacturer of your router for further assistance.

Move closer to the source.

You may be almost out of range. Try moving your computer closer to the source of the wireless network.

Verify the encryption.

If your wireless network requires a password, then it is encrypted. Temporarily disable the encryption, then attempt to connect again. If you are unsure about how to disable your encryption, contact the manufacturer of your wireless router for assistance. Once you have disabled it, if you can connect successfully, then we know it is an encryption problem. Reconfigure the encryption, verify your password, try to connect again. If you are still having trouble, move on to the next step.

Change the encryption type.

If you are using WEP, try WPA, or vice versa. For most situations, we recommend using WPA2 Personal or WPA2-PSK. When using an 11g Airport Extreme Base Station or 11g AirPort Express, we recommend using WPA Personal with TKIP. If you are using an Apple base station and don't see WPA as an option, hold down the option button on the keyboard while clicking the Wireless Security menu in the AirPort Utility.

Disclaimer: Although this product has been tested and verified, MacWireless does not accept responsibility for loss or damage to any equipment or device. Use at your own risk.