



MACINTOSH INSTALLATION INSTRUCTIONS FOR **MacWireless 11n Wireless Repeater**

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Introduction

Thank you for purchasing the MacWireless 11n Wireless Repeater! The 11n Wireless Repeater 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.

Installation

1. Attach the two included antennas to the 11n Wireless Repeater.
2. Attach the power supply to the Wireless Repeater and plug it into the wall.
3. Put the 11n Wireless Repeater into Hybrid Mode by sliding the switch on the side of the 11n Wireless Repeater.
4. Using the 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.

Pre-Configuration

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 "11n Wireless Repeater Configuration".
6. Click "Make Active".
7. Choose Connect via: Ethernet Built-in.
8. Choose Configure: Manually.
9. In the IP Address field, type: "**192.168.1.2**".
10. In the Subnet Mask text field, type: "**255.255.255.0**".

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Pre-Configuration, cont.

11. Close the TCP/IP window and choose "Save".
12. Pre-configuration is complete. Move on to the configuration section below.

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 "11n Wireless Repeater 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: "**192.168.1.2**".
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 "11n Wireless Repeater Configuration ". Click done.
4. Pull down the Location menu again and choose "11n Wireless Repeater 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: "**192.168.1.2**".
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 11n Wireless Repeater Configuration

The following instructions are valid for OS 9, OS 10.2.x – 10.4.x, and 10.5.x.

1. Open an internet browser [Example: Firefox, Safari..], type **192.168.1.1** into the address bar, and hit return. As we are connecting to a configuration page that is built into the adapter, Internet access is not necessary for this step.
2. You will be prompted to log in. Enter "admin" into both fields and click log in.
3. On the left-hand side of the screen, click Network Settings and then click LAN Settings.
4. At the bottom of this page you will see DHCP Server Settings. Change DHCP Type to Disable. Click Save Settings, wait for the 30 second countdown to complete before proceeding.
5. On the left-hand side of the screen, click Wireless Setting and then click Client Mode. At the bottom of this page there is a Wireless Site Survey List, check this list to see which channel the Wireless Network you would like to join is on. Take note of the channel.
6. On the left-hand side of the screen, under Wireless Settings click on Basic Settings. By default this Wireless Repeater repeats the wireless network as "Wireless_11n_AP". We suggest leaving it as this but if you would like to change its name you can do so in the Network Name (SSID) Field, always take note of this information, as you will need it in order to be able to connect later. Now you will need to change the "Frequency (Channel)" setting to the same channel as the network you are connecting to. You will then have to click the Save Settings Button at the top of this page. Wait for the 50 second countdown to complete before proceeding.
7. On the left hand side of the screen under Wireless Settings click Client Mode. In the Wireless Site Survey List, click the name of your wireless network once. That will enter your name into the SSID Field. If the network is not encrypted, move on to step 9. If your network is Encrypted move onto the next step.
8. If the network you are connecting to is using encryption, choose the appropriate authentication type. Once you have chosen an authentication type, additional fields will appear below. Fill them in, matching the settings of the network you would like to join. If you are not sure what type of encryption the network uses, check with the person who setup the wireless network or with the manufacturer of your Wireless Router/Access Point.
9. When you have finished entering the settings, click Building Connection. The settings will be saved onto the 11n Wireless Repeater. Wait for the 30 second countdown to complete before proceeding to the Post Configuration.

Post-Configuration

Disconnect the Ethernet cable and place the repeater in the desired location. It's ok to unplug the repeater's power supply in order to move it. Even if the repeater is powered off, it will remember the configuration settings. Please note that you must place the repeater in a location that is receiving a strong signal from the original network.

Hardware Reset Procedure

If the device becomes unresponsive, or if you would like to reconfigure the unit, you can reset it to factory defaults following the procedure below.

Using a paper clip or fine tip pen, hold down the button Restore button found on the back of the 11n Wireless Repeater for 10 seconds. The status light will stop blinking. You must wait 60 seconds and for the status light to come back on before reconfiguring the device. After the allotted time Reconfigure the device starting from the beginning of this document.

Troubleshooting

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, follow the Reset Procedure.

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, follow the Reset Procedure.

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 and 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, 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, 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.

Troubleshooting, continued.

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.