



MACINTOSH INSTALLATION INSTRUCTIONS FOR **MacWireless 11g Ethernet Bridge**

Pre-Configuration

OS X

1. Using the supplied Crossover Ethernet cable, connect one end of the cable to your computer's Ethernet port and the other end to the port on the Ethernet Bridge. Attach the AC adapter and plug it into the wall.
2. Open the Network preference panel from the Apple menu > System Preferences.
3. Create a new location:
 - a. Choose Location > New Location...
 - b. Name the new location "Ethernet Bridge Configuration", or something equivalent.
 - c. Choose Show: Network Port Configurations.
 - d. Check the Built-in Ethernet box, and uncheck all other boxes. Drag Built-in Ethernet to the top of the list.
 - e. Choose Show: Built-in Ethernet.
 - f. Choose Configure IPv4: Manually.
 - g. In the IP address text field, type: "**192.168.30.2**".
 - h. Click "Apply Now".

OS 9

1. Using the supplied Crossover Ethernet cable, connect one end of the cable to your computer's Ethernet port and the other end to the port on the Wireless Ethernet Bridge.
2. Open the TCP/IP Control Panel.
3. Create a new preset:
 - a. Choose File > Configurations...
 - b. Click "Duplicate...", type in "Ethernet Bridge Configuration", or something equivalent.
 - c. Click "Make Active".
4. Choose Connect via: Ethernet Built-in.
5. Choose Configure: Manually.
6. In the IP address text field, type: "**192.168.30.2**".
7. In the Subnet Mask text field, type: "**255.255.255.0**".
8. Close the TCP/IP window and choose "Save".

MacWireless 11g Ethernet Bridge Web-Based Configuration

1. Open a web browser* and type "**http://192.168.30.1**" in the address field. As we are connecting to a page built into the Ethernet Bridge, Internet access is not necessary for this step.

**Internet Explorer is not supported. For OS 9, use Mozilla 1.2.1 or Opera 5. For OS X, use Safari, Firefox, or Mozilla 1.7.*

2. Log in:
 - a. Enter the User ID. The default factory setting is "admin".
 - b. Enter the Password. The default factory setting is "motorola".
 - c. Click "LOG IN".
3. Click on the "SITE MONITOR" tab. It is located to the right of the "ACTIVE PROFILE" tab.
4. You will see a list of detected base stations, access points, and wireless routers. Make a note of the network type and exact name of your network (SSID). Click "Wireless Profile 1" on the left hand side of the screen and enter your Network ID (SSID) in the field provided. Choose the correct network type and click "Apply."
5. If your network uses password protection, click on the Security tab and configure your encryption settings according to the instructions below. If your network does not use password protection, skip ahead to step 6.
 - a. Choose "ESS Auth Type: Pre Shared Key (PSK)".
 - b. Choose "Encryption Status: WEP64" for 40-bit or 64-bit encryption, or choose "Encryption Status: WEP128" for 128-bit encryption.
 - c. Enter the WEP key for the network you are connecting to. For most base stations, you will need to enter a hexadecimal key. Choose "Key Input Method: Hexadecimal", set "Key Length" to "64-bit" or "128-bit" as appropriate, and enter your key in the "Key 1" field. (Note: 64-bit encryption is sometimes referred to as "40-bit encryption".)
 - d. Click "Apply".
6. Click "Restart".
7. Log in again as described in step 2. You should then be automatically connected. If the Status does not say "Associated", you can click "Connect" in order to establish the wireless connection.

Post-Configuration

OS X

1. Open the Network preference panel.
2. Return to your previous settings by selecting your previous location or create a new location:
 - a. Choose Location > New Location...
 - b. Name the new location "MacWireless 11g Ethernet Bridge", or something equivalent.
 - c. Choose Show: Network Port Configurations.
 - d. Check the Built-in Ethernet box. Drag Built-in Ethernet to the top of the list.
 - e. Choose Show: Built-in Ethernet.
 - f. Choose Configure: Using DHCP. (Note: Here we are configuring to connect to your Access Point, which in most situations will be using DHCP. If your network uses different settings, then enter those.)
3. Click "Apply Now". You may now connect to the Internet using any browser you wish.

OS 9

1. Open the TCP/IP Control Panel.
2. Create a new preset:
 - a. Choose File > Configurations...
 - b. Click "Duplicate...", type in "MacWireless 11g Ethernet Bridge", or something equivalent.
 - c. Click "Make Active".
 - d. Choose Connect via: Ethernet Built-in.
 - e. Choose Configure: Using DHCP Server. (Note: We are configuring to connect to your Access Point, which in most situations will be using DHCP. If your network uses different settings, then use those.)
3. Close the TCP/IP Control Panel. You may now connect to the Internet using any browser you wish.

Note: You must connect to the Ethernet Bridge using a *crossover* Ethernet cable to be able to access the Internet.

Troubleshooting

How do I reset my device to factory defaults?

If you need to return to factory default settings, press and hold the reset button on the back of the unit until the lights change on the front of the device.

Can I use the 11g Ethernet Bridge with OS 8? How do I configure it?

You can use the Ethernet Bridge with OS 8, but you must first configure the Bridge with a machine using OS 9 or X. The 11g Ethernet Bridge uses a web-based configuration interface, and there are no browsers available for OS 8 which can handle these newer web pages. Mac OS 9 users can use Mozilla or Opera; OS X users can use Safari, Firefox, or Mozilla. Once the Ethernet Bridge has been properly configured, connect the Bridge to your OS 8 machine and follow the post-configuration instructions in your installation guide.

When I enable MAC filtering and enter the MAC address of the bridge into my list, I cannot connect. Why not?

You must configure your base station's access list to include two MAC addresses: the address of the bridge and the address of the computer to which it is attached.

Some of the pages referred to in the installation instructions do not load properly. What can I do?

Empty your browser's cache, wait a moment, and try to load the page again. If it still does not load, try a different browser.

I have set up my Bridge according to the instructions, but I cannot connect to the Internet. What can I do?

Check your encryption settings. Make sure you have the correct key and that you are entering it into the correct field in the Bridge configuration area. If you are using 64-bit WEP, you will need to choose "Key Input Method: Hexadecimal" and enter a 10 character key into the "Key 1" field. If you are using 128-bit WEP, your key will be 26 characters long. WPA is not supported. If you are using an AirPort base station, you will need to convert your password into hex using the AirPort Admin Utility. Go to Applications > Utilities > AirPort Admin Utility and double click on your base station. Go to the Base Station menu on the menu bar and choose "Equivalent Network Password". The hex key can be seen at the bottom of the window that pops up.

Known Issues

Issue: 11g Ethernet Bridge may not work with Access Points with SSIDs that have capital letters.

Description: The 11g Ethernet Bridge will not work with some Access Points or Wireless Routers that have capital letters in the SSID. This problem is not seen with Apple AirPort Base Stations.

Solution: Change the letters of the SSID on your Base Station, Access Point, or Wireless Router to lowercase.

Issue: 11g Ethernet Bridge is not compatible with the ActionTec GT701-WG Wireless DSL Gateway.

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.