



## MACINTOSH INSTALLATION INSTRUCTIONS FOR **MacWireless 11b PC Card 32mW**

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### Introduction

Thank you for purchasing the MacWireless 11b PC Card! The MacWireless 11b PC Card works with Mac OS 7.5.5 through 9.2.2. Please uninstall any drivers or software from previous wireless networking devices before proceeding with the installation. If you are installing this card on a PowerBook 190, 5300, 1400, 1400c, or 1440cs, and you are using an Ethernet PC Card, please be aware that installation of the MacWireless PC Card driver will make your Ethernet Card inactive. You will need to reinstall the driver for your Ethernet Card in order to use your Ethernet port again. The two drivers cannot be installed on the same machine at the same time.

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 > Control Panels > Software Update and at [www.apple.com](http://www.apple.com).

### Installation

If you are installing the driver software for the first time, proceed to step one of this section. If you are reinstalling or upgrading the driver software, you must uninstall the old software first. Please follow the steps outlined in the software uninstall section below before installing the software.

1. Insert the MacWireless CD into your computer.
2. Navigate to MacWireless CD > Wireless Cards > PC Cards > 11b PC Card > 11b PC Card 32mW > MacWireless\_PC\_Card\_PCI
3. Double-click the file called MacWireless PC Card Installer. Follow the instructions on-screen and restart when prompted.
4. Insert the MacWireless PC Card into the card slot on your computer and move on to the configuration section.

### Configuration

1. Go to Apple menu > "Control Panels" and choose "MacWireless PC Card".
2. From the Windows menu choose "Configuration...".
3. Select "Network SSID: Select from list", then choose your access point from the list of detected networks.
4. Click "Select" "
5. If your wireless network uses password protection:
  - a. Select "Encryption" from the Windows menu to set your password protection options.
  - b. Choose "Encryption: Disabled" for no password protection, "Encryption: 64-bit" for 40-bit or 64-bit encryption, or choose "Encryption: 128-bit" for 128-bit encryption.
  - c. Enter the proper Password or Hexadecimal Key and click "OK".
6. Close the MacWireless control panel.

## Configuration, cont.

7. Open the TCP/IP control panel.
8. Create a new preset:
  - a. From the File menu choose "Configurations...".
  - b. Click "Duplicate...", then type "MacWireless PC Card", or something equivalent.
  - c. Click "Make Active".
  - d. Choose "Connect via: MacWireless PC Card".
  - e. Choose "Configure: using DHCP". (Note: Here we are configuring to connect to your Access Point, which in most situations will be using DHCP. If you know that your network uses different settings, then use those.)
9. Close the TCP/IP window and choose "Save".
10. For access to AppleTalk printers and for AppleTalk file sharing you need to configure AppleTalk. Open the AppleTalk control panel from the Windows menu. Choose "Connect via: MacWireless PC Card", then close the control panel and save your settings. Please note that for older Macintoshes you will see "Alternate Ethernet" rather than "MacWireless PC Card". Configuring AppleTalk is not necessary if you are only using your machine to access the Internet.

## Manual Software Installation Instructions

If you encounter a problem with the software installer, you can follow the manual installation instructions below. The installation files are located inside the **Installer Files** folder.

### PowerBook 190, 5300, and 1400:

This requires use of the ResEdit application, which is not provided.

1. Copy "Wireless 2x" to the Control Panels folder inside the System folder and rename it "MacWireless PC Card".
2. Copy "Wireless PC Card Ext (2.x)" to the Extensions folder inside the System folder.
3. Using the ResEdit application:
  - a. Open "Wireless driver (2.x11)" file.
  - b. Copy .enet0 resource inside DRVVR resource into DRVVR resource in your System file (Macintosh HD\System\System\DRVVR' resource\'.enet0').
4. Save & restart your computer.

### Other PowerBooks:

1. Copy "Wireless 3x" to the Control Panels folder inside the System folder and rename it "MacWireless PC Card".
2. Copy "Wireless driver (3.x11)" to the Extensions folder inside the System folder.
3. Copy "Wireless PC Card Enabler11" to the Extensions folder inside the System folder.
4. Restart your computer.

## Software Uninstall Procedure

If the driver becomes unresponsive, you can uninstall and reinstall the driver using the install utility located on the MacWireless CD. Follow the instructions below to uninstall the driver, then refer to the installation section above to reinstall.

1. Open the MacWireless CD and go to Wireless Cards > 11b PC and PCI Cards > PC and PCI 32mW.
2. Open the MacWireless PC Card Installer.
3. In the upper left-hand corner of the window, change "Easy Install" to "Custom Remove."
4. Click the box next to "MacWireless PC Card software."
5. Click remove.
6. When the removal is finished, you will be prompted to restart your computer.

## Troubleshooting Guide

**Problem:** Unable to connect to a third party access point with WEP encryption enabled.

**Solution:** Open the MacWireless PC Card control panel. From the Edit menu, choose "Preferences...". Check the "Open System Authentication" check box.

**Problem:** Unable to connect and receive the error "Invalid Encryption" when encryption is disabled.

**Solution:** In the Configuration window, from the Network (SSID) pop-up, choose "Select from List...". If you see a check mark in the WEP column next to the name of your network, then it means encryption is actually enabled on your base station / wireless router. Disable encryption on the base station or wireless router.

**Problem:** With Mac OS 9.2.2, the computer freezes when File Sharing is on and MacWireless PC Card is inserted.

**Solution:** Turn File Sharing off or use an older version of Mac OS. AppleTalk-over-IP does work and you can access other computers with this protocol by opening the Chooser, clicking on "AppleShare", clicking "Server IP address...", then entering the other computer's IP address. You may be able to enable File Sharing without AppleTalk by checking the "Enable File Sharing clients to connect via TCP/IP" in the File Sharing Control panel. This requires the extension "ShareWay IP Personal Bgnd" to be installed.

## Troubleshooting Guide, cont.

**Problem:** When I open the MacWireless control panel, it says "MacWireless PC Card Not Found."

**Solution:** Download the latest driver at: [http://www.macwireless.com/html/products/11g\\_11b\\_cards/11bPCCard.php](http://www.macwireless.com/html/products/11g_11b_cards/11bPCCard.php) or install the software manually using the above instructions. Check to make sure that you are installing the correct driver for your card.

**Problem:** When I try to run the installer program, I am prompted for a disk.

**Solution:** Download the latest driver at: [http://www.macwireless.com/html/products/11g\\_11b\\_cards/11bPCCard.php](http://www.macwireless.com/html/products/11g_11b_cards/11bPCCard.php) or install the software manually using the above instructions.

### Known Issues

**Issue:** With Mac OS 9.2.2, the computer freezes when file sharing is on and MacWireless PC Card is inserted.

**Solution:** Turn file sharing off or use an older version of Mac OS.

*Disclaimer: Although this product has been tested and verified, MacWireless does not accept responsibility for loss or damage to any equipment or device*