



MACINTOSH INSTALLATION INSTRUCTIONS FOR
MacWireless Antenna
For 11g PC Card with External Antenna Port

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Introduction

Thank you for purchasing a MacWireless antenna. Before installing your antenna, we recommend that you test your current signal level using iStumbler. Compare this result to the signal level after installation to see how much your connection has improved. iStumbler is included on the MacWireless CD in the "Extra Software" directory, and is also available for download at: <http://www.istumbler.net/>

Installation

Please note that the card is designed to be used with an antenna or booster that is consistently connected to the card. The antenna port itself will wear down if the external device is often removed and reconnected. We recommend that your external antenna (or at least its cable) remain connected once initial installation is complete.

1. Power off your computer and remove the PC Card from the PC slot.
2. Remove the small rubber plug from the end of the PC card.
3. Attach the MacWireless cable adapter to the MacWireless antenna cable.
4. Attach the cable and adapter to the antenna port on the PC Card.
5. Insert the PC Card into your computer and power the computer on.
6. Position the antenna for optimal performance.

Troubleshooting

I'm not seeing a significant increase in range. What can I do?

1. Verify the physical connections, and make sure that you power-cycle your wireless device after connecting or disconnecting range extending hardware.
2. Aim the antenna appropriately. For more information on how your antenna radiates energy, see the antenna help section of our website: <http://www.macwireless.com/html/help/antenna.html>

Factors Affecting Range and Performance of All Wireless LAN Systems

Range estimates are typical and require line of sight. Basically that means you will need a clear unobstructed view of the antenna from the remote point in the link. Keep in mind that walls and obstacles will limit your operating range and could even prevent you from establishing a link. Signals generally will not penetrate metal or concrete walls. Trees and leaves are obstructions to 802.11 frequencies so they will partially or entirely block the signal. Other factors that will reduce range and affect coverage area include metal studs in walls, concrete fiberboard walls, aluminum siding, foil-backed insulation in the walls or under the siding, pipes and electrical wiring, furniture, and sources of interference. The primary source of interference in the home will be the microwave oven. Other sources include other wireless equipment, cordless phones, radio transmitters, and other electrical equipment. Due to the increased gain, installing range extender antennas in the presence of interference could actually yield equal or worse range. These solutions work for the vast majority of our customers. However, due to the numerous factors affecting range and performance, we do not guarantee that you will achieve any specific improvement in range for your specific application.

Although MacWireless products have been tested and verified, MacWireless does not accept responsibility for loss or damage to any equipment or device. Use at your own risk.

