



MACINTOSH INSTALLATION INSTRUCTIONS FOR  
**MacWireless AirPort Mini Booster**  
For AirPort Extreme Base Station with External Antenna Port

## Table of Contents

<b>Introduction</b>	<b>1</b>
<b>Installation</b>	<b>1</b>
<b>Troubleshooting</b>	<b>1</b>



## Introduction

Thank you for purchasing a MacWireless booster. Before installing your booster, 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

1. Power off the AirPort Extreme Base Station by unplugging the power cord.
2. If an antenna is currently plugged into the antenna port, unplug it.
3. Connect the MacWireless AirPort Mini Booster to the cable adapter.
4. Connect the Booster and cable adapter to the antenna port on your base station.
5. Included with the Mini Booster are two power adapter options; one for standard AC outlets, and one for USB ports. Choose a power adapter and connect it to the Mini Booster.
6. Connect the power adapter to either an available USB port, or an available AC outlet, as appropriate.
7. Power on your base station and 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>
3. Use the AirPort Admin Utility to verify that your external connection is recognized. Inside the base station configuration area, go to the View menu and choose "Summary" or "Show Summary". You should see "Antenna: External". If you do not, double check the physical connections and power-cycle the base station. If you still do not see the external connection in your Admin Utility, check the hardware on a different base station.

### Factors Affecting Range and Performance of All Wireless LAN Systems

For optimal performance, place wireless devices with a clear line of sight to one another. If this is not possible, minimize interference and signal loss by minimizing the number of obstacles between your wireless devices. Metal and concrete obstacles will often prevent a successful wireless connection. Other objects that may decrease signal strength include metal studs in walls, concrete fiberboard walls, aluminum siding, foil-backed insulation in the walls or under the siding, pipes, electrical wiring, trees, leaves, and furniture. In some situations, interference from other electrical devices may prevent a successful connection. Microwave ovens, cordless phones, radio transmitters, and other wireless devices are the most common sources of interference. In reflective and high interference environments, antennas and boosters may not produce the desired results. Wireless signals are radio waves, and in certain situations, these waves will cancel one another out, and may yield no improvement in signal strength. Our wireless cards, access points, antennas, and boosters work very well for the majority of our customers. However, due to the number of variables involved in wireless systems, we do not guarantee that you will achieve any improvement in range for your specific application.

*This modification may void your warranty. MacWireless accepts no responsibility or liability for any modification. 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.*