MACINTOSH INSTALLATION INSTRUCTIONS FOR

MacWireless Outdoor Complete

With External Omni-Directional Antenna

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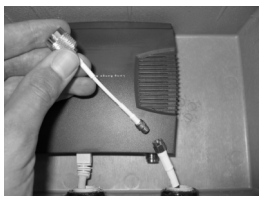
Introduction

Thank you for purchasing a MacWireless Outdoor Complete Wireless Kit. The kit includes 1 weatherproof enclosure equipped with 2 watertight compression fittings, 1 Omni-Directional Antenna, 1 antenna cable, 1 antenna cable adapter, 1 MacWireless 11g High Power Access Point, 1 red Crossover Ethernet Cable, 1 PoE injector, and 2 AC Adapters..

WARNING: Please note the difference between the PoE AC Adapter and the High Power Access Point's AC Adapter. The PoE AC Adapter has two separate pieces, a brick and a cable. The High Power Access Point AC Adapter is a one-piece brick.

Installation

1. Configure your access point as described in the High Power Access Point documentation.
2. Unplug the crossover cable and AC adapter from the access point, and place the access point in the box.
3. Unscrew the dome-shaped nut on the left compression fitting. Remove the rubber seal inside the fitting by pushing outward from inside the box.
4. Pass one end of a regular ethernet cable, up to 330 feet in length, through the dome-shaped nut of the compression fitting.
5. Place the rubber seal on the cable. It should be placed between the nut and the end of the Ethernet cable that you intend to pass through the hole in the box.
6. Pass the ethernet cable through the hole in the box and plug it into the access point's ethernet jack.
7. Leave a small amount of cable slack inside the box (5"-10") and tighten the compression fitting by screwing the dome-shaped nut clockwise. Be gentle in this process as it is possible to strip the threads.
8. Connect the PoE setup to the other end of the long ethernet cable as described in the PoE documentation.
9. Pass the RP-SMA (smaller) end of the antenna cable through the other compression fitting, using the same method as we used to pass the Ethernet cable. Unscrew the nut, pop out the rubber seal, pass the cable through the nut, attach the rubber seal to the cable, and pass the cable through the hole.



10. Once the antenna cable is inside the box, attach the RP-TNC cable adapter to the end of the cable and plug the cable in to the access point's antenna port.
11. Leave a small amount of cable slack inside the box (5"-10") and tighten the second compression fitting by screwing the dome-shaped nut clockwise. Be gentle in this process as it is possible to strip the threads.
12. Attach the other end of the antenna cable to the antenna.
13. Your outdoor complete is now ready to mount. If you are using a Mounting Kit, refer to the Mounting Kit documentation for more information.

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.