



Release Notes for Cisco Aironet Power Injector Media Converter (AIR-PWRINJ-FIB)

July 10, 2003

These release notes describe caveats for the Cisco Aironet Power Injector Media Converter (AIR-PWRINJ-FIB). These release notes also contain important information about the power injector media converter.

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Introduction

The Cisco Aironet Power Injector Media Converter increases wireless LAN deployment flexibility of Cisco Aironet Access Points and Bridges by providing an alternative powering option to local power, inline power-capable multiport switches, and multiport power patch panels.

The power injector media converter combines 48-VDC power (supplied by the external power supply) with the data signal, sending both to the Cisco Aironet Access Point or Bridge.

The power injector media converter receives data over the fiber-optic cable through its MT-RJ fiber connector. The fiber-optic data signals are converted to Ethernet data signals and sent to the access point through the injector's Category 5 RJ-45 port. A Category 5 Ethernet cable connects the injector to the access point. The injector's power supply connects to a wall outlet or power strip to supply the power. An alternate 48-VDC power source can be used instead of the power supply.

The power injector media converter provides up to 15W over the unused wire pairs of a Category 5 Ethernet cable, supplying enough power for a distance of 328 ft (100 m) on the Cisco Aironet 350, 1100, an 1200 Series Access Points and the Cisco Aironet 350 Series Bridges.

Limitations and Restrictions

Installing in an Environmental Air Space

The Cisco Aironet Power Injector Media Converter (AIR-PWRINJ-FIB) provides adequate fire resistance and low smoke-producing characteristics suitable for operation in a building's environmental air space in accordance with Section 300-22(C) of the National Electrical Code (NEC) and Sections 2-128, 12-010(3), and 12-100 of the Canadian Electrical Code, Part 1, C22.1.

The AC power adapter is not suitable for operation in a building's environmental airspace and should not be installed in these environments. When installing the power injector media converter into a building's environmental air space, the power supply pigtail option, provided with your power injector, must be used.

Detailed mounting instructions are contained in the *Quick Start Guide Cisco Aironet Power Injector Media Converter Cisco Aironet Power Injector*, which shipped with your power injector media converter.

Stacking Power Injectors

Do not stack the AIR-PWRINJ-FIB.

MT-RJ Connector Limitation

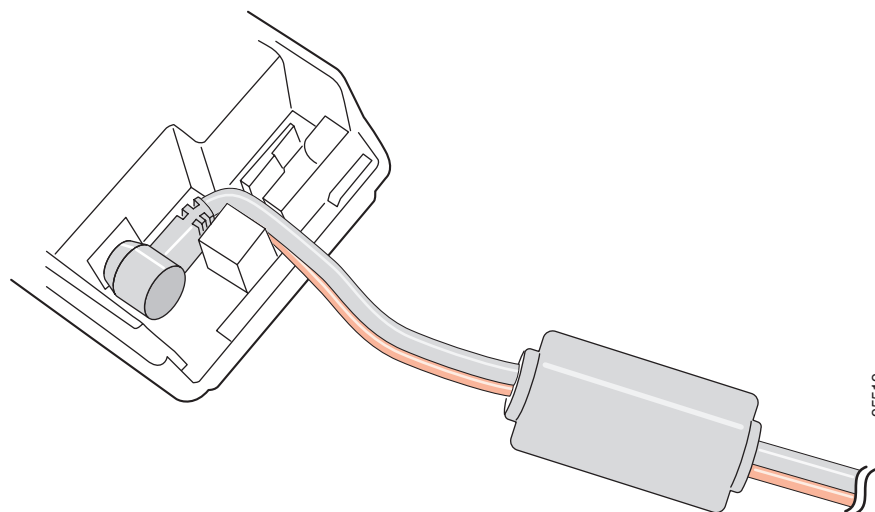
MT-RJ cable assemblies that contain alignment pins (small metal pins in the connector) are not compatible with the Cisco media converter and will not mate correctly.

The MT-RJ connector is a small form factor connector that contains two fibers in one small polymer ferrule. When connecting to the power injector media converter you need to use a non-pinned MT-RJ cable assembly.

Documentation Updates

The illustration showing how to secure the pigtail to the power injector on page 24 of the *Quick Start Guide Cisco Aironet Power Injector and Aironet Power Injector Media Converter* is incorrect. [Figure 1](#) shows the correct way to route the pigtail wires.

Figure 1 Pigtail Wiring Path



Caveats

This section lists caveats for the Cisco Aironet Power Injector Media Converter (AIR-PWRINJ-FIB).

Open Caveats

The following caveats have not been resolved.

- CSCea81288—Catalyst 2900 switch Fiber Link LED does not indicate correct status of the link. The fiber link LED on a Catalyst 2900 switch is green even when the link is down. There is no workaround for this caveat.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

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