

Configuring AirPort Express for an Infrastructure Network

Introduction

This application note explains how to configure an Apple AirPort Express on Mac OS X to print to a Star Micronics USB printer using an ad-hoc connection or infrastructure setup.

Supported Printers: All Star Micronics USB Printers

Supported Interfaces: USB

Supported Environments: Mac OS X

Devices Needed: Mac Computer, Apple AirPort Express, Host Device (Mac Computer, iPhone, iPad, etc)

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I. Configuring AirPort Express Using Ad-Hoc

The Ad-Hoc method is suitable if the host device is connected directly to the AirPort Express wirelessly and no other devices on the network need to share the printer.

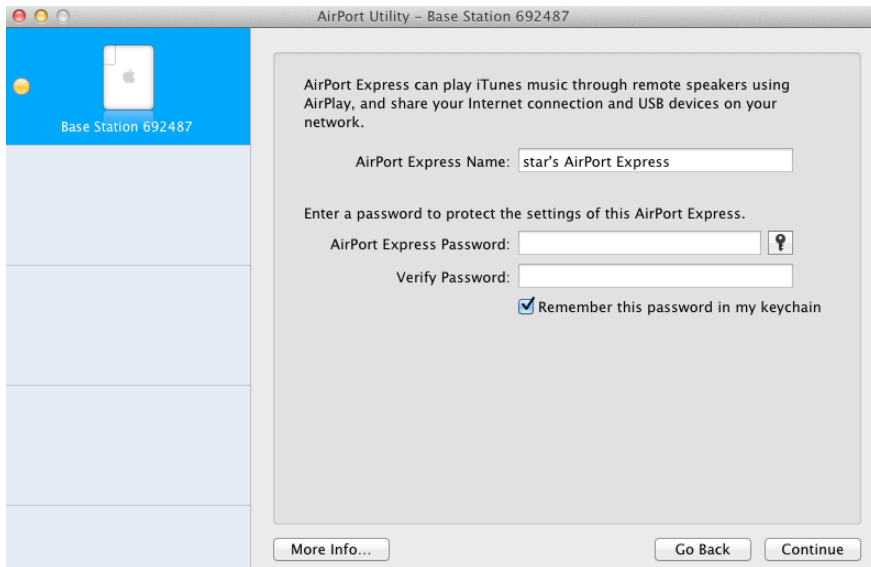
1. Connect the Star Micronics printer to the AirPort Express via USB.



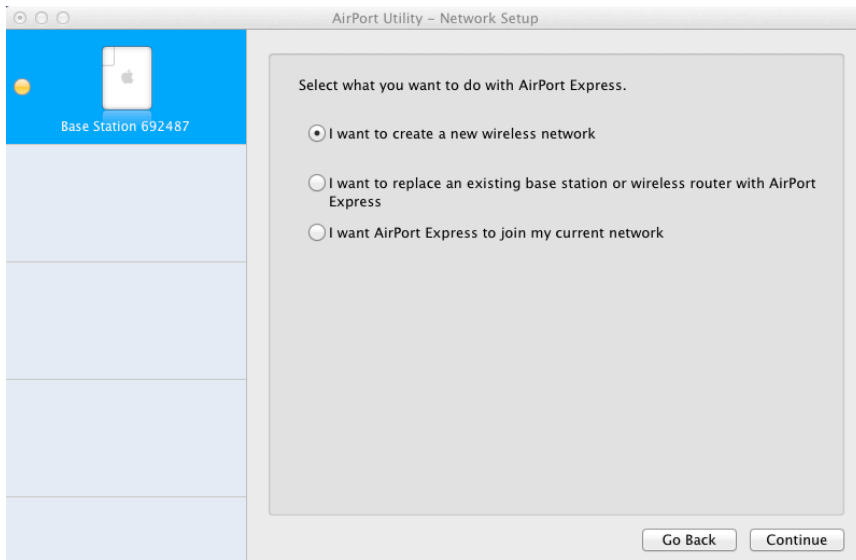
2. Click on the Wi-Fi icon on the top right hand side of the status bar and select **AirPort Express**.



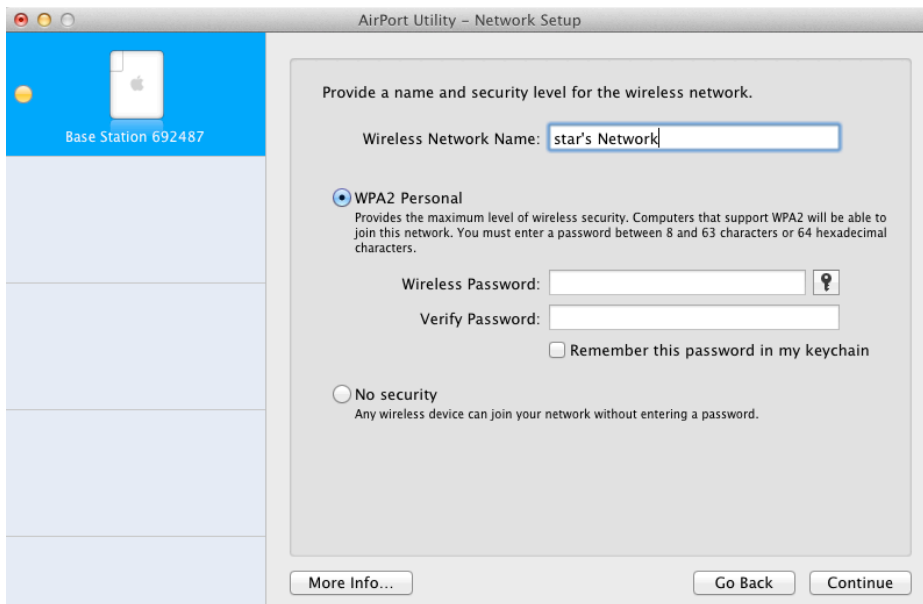
3. Navigate to **Applications > Utilities > AirPort Utility**.



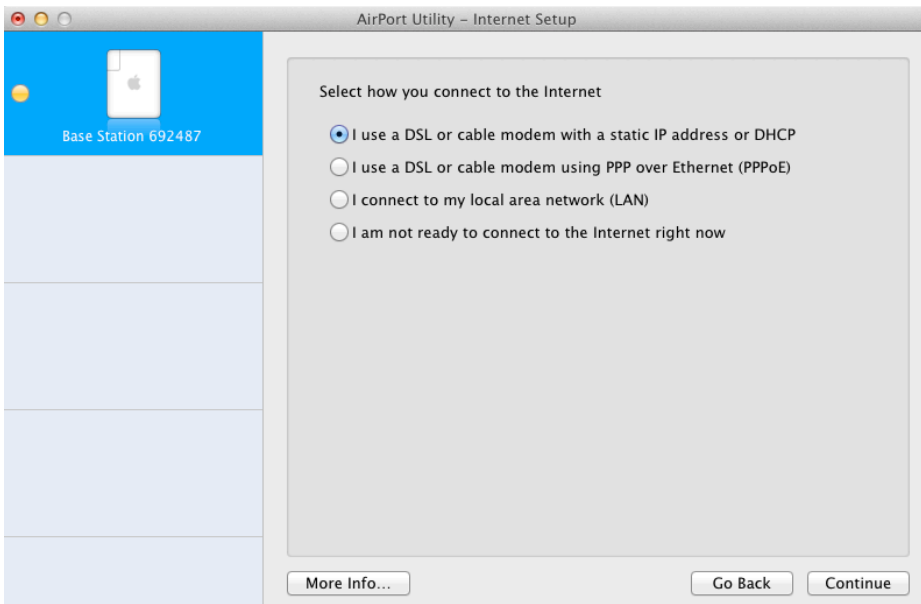
4. In the AirPort Utility, select the AirPort Express and type in a password for it.



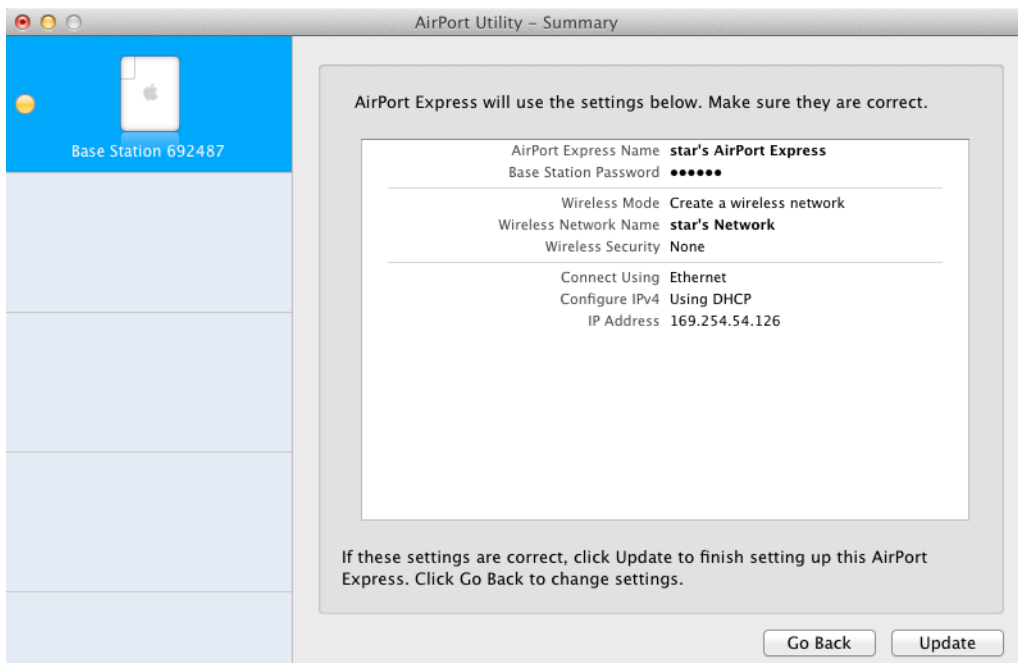
5. Select “I want to create a new wireless network”.



6. Type a name for the wireless network and follow the prompts to secure it with a wireless password, or select **No security** for no password protection.



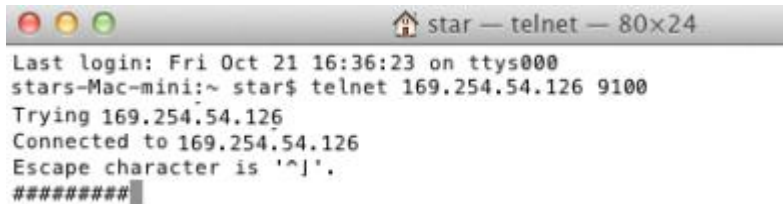
7. Select the proper choice that applies to the network.



8. Verify whether all the selections that were made are correct and then select **Update**.



9. Select **Continue**. Once the AirPort Express restarts it is ready to be used with the Star Micronics USB Printer.



10. To verify what port the printer is on, open **Terminal** and type **telnet** IP address of the AirPort Express and 9100. (For example **telnet 169.254.54.126 9100**). If successful, the terminal screen will display there is a successful connection. If the connection is not successful, try to use another port such as 9101 instead of 9100.

Congratulations! You have now successfully configured the Airport Express to use with a Star USB Printer on Mac OS X.

II. Configuring AirPort Express Using Infrastructure

The Infrastructure method should be used if multiple devices on the network will share the printer connected to the AirPort Express.

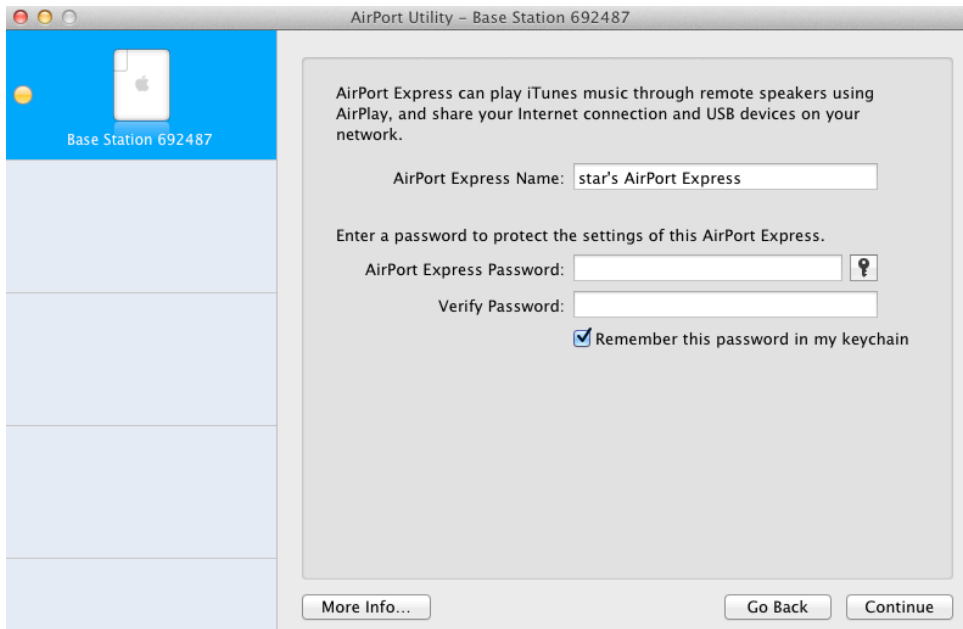
1. Connect the Star Micronics printer to the AirPort Express via USB.



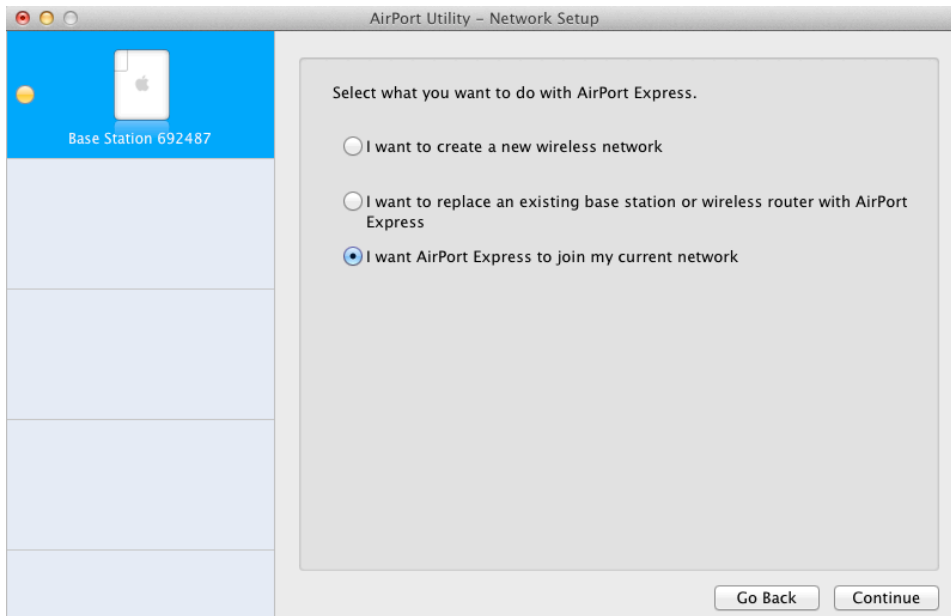
2. Click on the Wi-Fi icon on the top right hand side of the status bar and select **AirPort Express**.



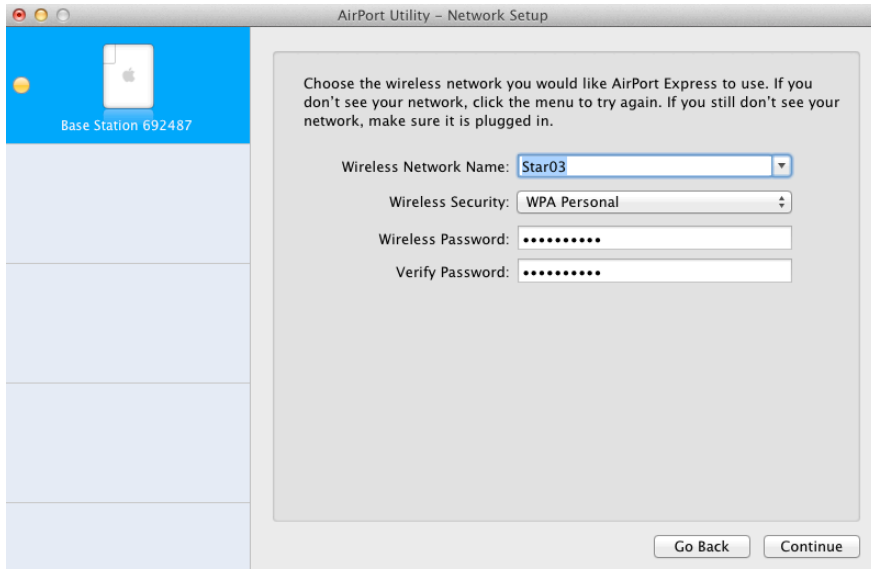
3. Navigate **Applications > Utilities > AirPort Utility**.



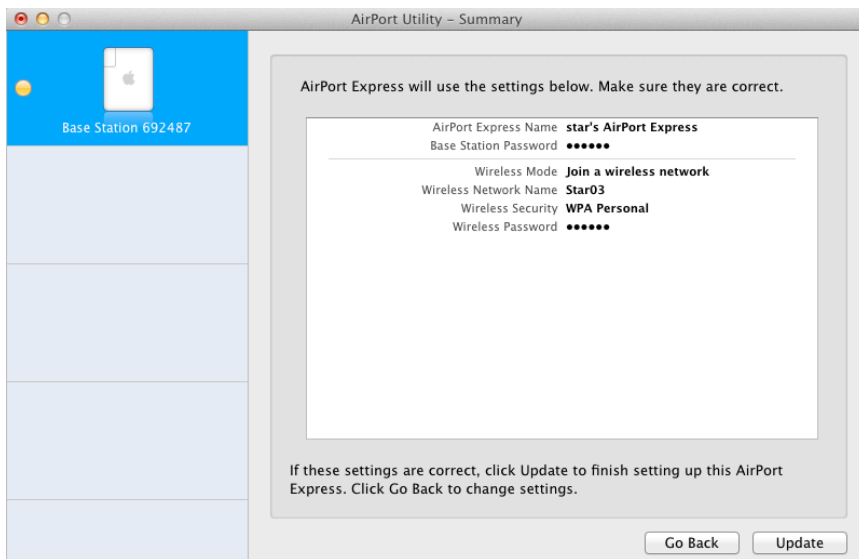
4. In the AirPort Utility, select the AirPort Express and type in a password for it.



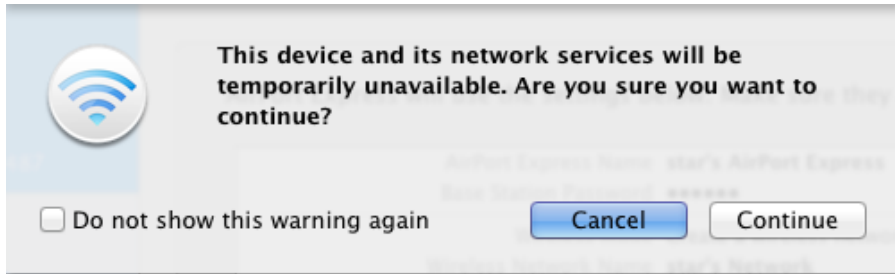
5. Select **“I want AirPort Express to join my current network”**.



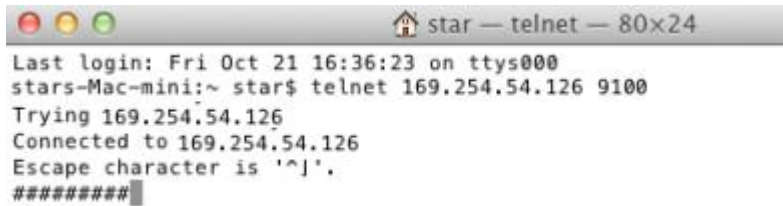
6. Select the name of the existing wireless network to connect the AirPort Express to. Then, select the wireless security type that the network is currently using and the password for the network.



7. Verify whether all the selections that were made are correct and then select **Update**.



8. Select **Continue**. Once the AirPort Express restarts it is ready to be used with the Star Micronics USB Printer.



9. To verify what port the printer is on, open **Terminal** and type **telnet** IP address of the AirPort Express and 9100. (For example **telnet 169.254.54.126 9100**). If successful, the terminal screen will display there was a successful connection. If the connection is not successful, try to use another port such as 9101 instead of 9100.

Congratulations! You have now successfully configured the Airport Express to use with a Star USB Printer on Mac OS X.



Star Micronics is a global leader in the manufacturing of small printers. We apply over 50 years of knowhow and innovation to provide elite printing solutions that are rich in stellar reliability and industry-respected features. Offering a diverse line of Thermal, Hybrid, Mobile, Kiosk and Impact Dot Matrix printers, we are obsessed with exceeding the demands of our valued customers every day.

We have a long history of implementations into Retail, Point of Sale, Hospitality, Restaurants and Kitchens, Kiosks and Digital Signage, Gaming and Lottery, ATMs, Ticketing, Labeling, Salons and Spas, Banking and Credit Unions, Medical, Law Enforcement, Payment Processing, and more!

High Quality POS Receipts, Interactive Coupons with Triggers, Logo Printing for Branding, Advanced Drivers for Windows, Mac and Linux, Complete SDK Packages, Android, iOS, Blackberry Printing Support, OPOS, JavaPOS, POS for .NET, Eco-Friendly Paper and Power Savings with Reporting Utility, ENERGY STAR, MSR Reading, *future*PRNT, StarPRNT... How can Star help you fulfill the needs of your application?

Don't just settle on hardware that won't work as hard as you do. Demand everything from your printer. Demand a Star!

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