

Inspiration[®] for Palm OS Print Setup

This document provides an overview of how to connect and configure hardware to support direct printing from Inspiration for Palm OS. For additional information, please visit www.inspiration.com/techsupport/palm.

How to connect to your printer

The first step to printing is to determine how your handheld device and printer will communicate. There are several ways that a Palm OS[®] device can connect with a printer including: infrared (IrDA), network, Bluetooth and USB. Both the handheld and the printer must support the same protocol for example, a handheld with IrDA beaming cannot talk directly to a USB printer. If none of these options work for you, you can also HotSync your documents to the desktop version of Inspiration and print them from your Windows or Macintosh computer.

Infrared (IrDA)

All Palm OS devices support IrDA beaming. Many printers also support IrDA, including a number of HP LaserJet printers as well as Cannon Bubble Jet printers. To determine if a particular printer supports IrDA, consult your owner's manual, or look for a shiny, reddish-black square, usually found on the front of the printer. If your printer does not have IrDA support, but does have a parallel port, you may be able to add IrDA support via an InfraReady adapter available from Bachmann Software, www.bachmannsoftware.com. To print, your handheld must have its IrDA port less than six inches away and pointed directly at the IrDA port on the printer.

Network (WiFi, TCP/IP)

Some handhelds can connect to a TCP/IP network via WiFi (802.11) or other means. Examples include Dana Wireless and the Tungsten C. Many printers can be shared on a TCP/IP network. This can be done either by connecting directly, sharing through a print server such as the HP JetDirect, or sharing through a PC. How you share a printer on the network depends on how your network is configured and what the printer supports. Bachmann Software provides free products and support to help with network printing, including PrintBoy Proxy Server, to assist in sharing a printer from a Windows PC, and PrintBoy Discovery, which assists in determining the IP addresses of available printers. Using PrintBoy Discovery, a network administrator can register printers with Bachmann, so that users within that same network can "discover" available printers by choosing the Discover Printers menu item from within Print Setup. For more information on these tools, visit www.bachmannsoftware.com/support. To print via WiFi, your handheld must be able to connect to a WiFi base station (an Apple AirPort Base Station, for example), have the printer shared on that same network and be within WiFi range of the base station, usually about 100 feet.

Bluetooth

A limited number of handhelds have Bluetooth, including the Tungsten T series and the Clié TG50. However, only a few printers directly support Bluetooth. If you have a Bluetooth handheld, you may be able to use a Bluetooth adapter for your printer, such as the BTReady Adaptor from Bachmann Software, www.bachmannsoftware.com. To print, both the handheld and the printer must have Bluetooth enabled, and they must be within about a ten foot range.

USB

This connection method works only with the AlphaSmart Dana or Dana Wireless. To use USB, you must have one of these devices, a USB compatible printer and a USB cable. To print, the device must be connected directly to the printer via the USB cable.

Serial

This connection technique may work with some older handhelds, but is not recommended for use with Inspiration. To print, the device must be connected directly to the printer via a serial cable.

Loading and configuring print software

Software

Inspiration includes special software to allow you to print directly from your handheld. This software (PrintBoy 6.0 Palm Print Engine) is available on your Inspiration CD-ROM or with your web download, but must be added to your handheld in a separate installation process.

Printing from Inspiration requires PrintBoy 4.0 Palm Print Engine (or later). If you already use PrintBoy or PrintBoy Deluxe, you may be able to print from Inspiration without an additional installation or other modification.

IMPORTANT NOTE: If you are currently using PrintBoy and decide to update to PrintBoy 6.0 Palm Print Engine, you may need to update your PrintBoy applets in order to print from software applications other than Inspiration. Updates to these applets are available from Bachmann Software, www.bachmannsoftware.com. If you have a Dana or Dana Wireless, it is recommended that you DO NOT re-install PrintBoy using the installer provided with Inspiration. Doing so can cause printing problems with preloaded applications such as AlphaWord. If you need to upgrade or reinstall your printer drivers, please contact AlphaSmart or use your original Dana install CD.

Recommended drivers

To get the latest list of PrintBoy compatible printers and recommended drivers, please visit www.inspiration.com/techsupport/palm.

Print quality is based on the brand and model of printer you are using. Highest quality output is available from PCL-based printers. Printers without PCL support print only in "draft" quality mode. For information about whether your printer is a PCL-based printer, please see your printer owner's manual.

If appropriate with your printer, the HP LaserJet & Compatibles driver is recommended over other drivers. This driver gives the best quality output and requires minimal memory on your handheld.

If you are using one of the following PCL compatible drivers, diagrams will be printed exactly as they appear onscreen. All other drivers will print the diagram in a text only "draft" mode.

Drivers supporting high quality output:

- HP LaserJet & Compatibles
- HP DeskJet & Compatibles
- HP & Compatibles (TruePage)

Outline printing will be high quality in most cases, but with some older or less sophisticated printers, printing will revert to draft mode.

For maximum printing speed, the Generic driver can be used with most printers. However, this driver will produce only draft quality output.

Diagram printed from PCL-based printer

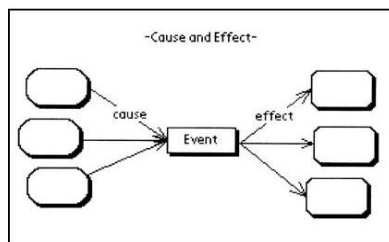
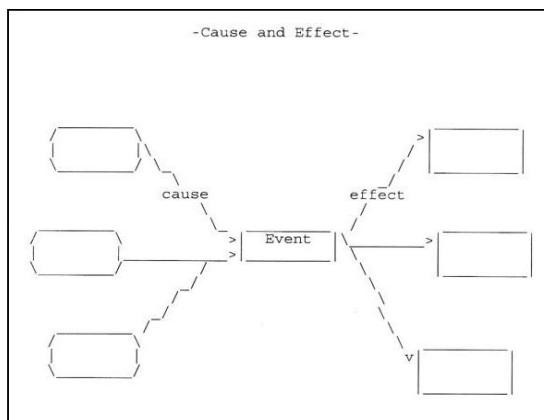


Diagram printed in "draft" quality mode



To install PrintBoy 6.0 Palm Print Engine

Once you have determined that your printer and other handheld software are compatible with the PrintBoy 6.0 Palm Print Engine, you can proceed with loading the software onto your handheld.

1. On your desktop computer, open the *To add printing support* folder on the Inspiration for Palm OS CD-ROM or in the folder you downloaded from the web.
2. Double-click **PrintBoy Palm Print Engine OSX** (Macintosh) or **PrintBoy Palm Print Engine.exe** (Windows).
3. Follow the instructions on screen to select your printer brand and model, or select the Generic driver if your model is not listed (see *Recommended drivers* section above).
4. To complete installation, perform a HotSync on your handheld.

Print settings

Once you have installed PrintBoy on your handheld, you must run PrintSetup. This is normally a one time operation you complete the first time you want to use a given printer, or whenever you want to change to a different type of printer.

Initial setup

The first time you run PrintSetup, a wizard will prompt you to configure your settings. If the wizard does not run properly, or you need to reconfigure your print setup, use the steps below to manually adjust your setup.

Manual configuration

1. Launch PrintSetup by tapping it on the Home screen of your handheld.
2. In the Printer pop-up menu, select the printer driver you think will work with your printer (the Generic driver should work with all supported printers).

Note: If you do not see the printer driver you want to use, you will need to run the PrintBoy Palm Print Engine installer (per instructions above) on your desktop computer and re-sync to get the proper driver onto your handheld.

3. Tap the Edit button to adjust the settings.

Tip: Make sure that the Communication port is set correctly. Depending on the Communication port, you may need to adjust some additional settings:

- Communication speed. Most printers should be able to handle the maximum speed when printing from Inspiration, but if you are getting errors when printing you should reduce the speed and try again.
- For Network printing, you must enter the IP address and port number of the printer to which you wish to print.

Be sure to check that the paper size matches the paper you have loaded in the printer.

4. Tap the Set As Default button.
5. Tap OK to exit Print Setup. You are now ready to print.

Printing a document from Inspiration for Palm OS

Once printer setup and configuration is complete, you can print your documents directly from Inspiration for Palm OS.

To print an Inspiration document:

1. Open the document.
2. Make sure you are either connected to or within range of the printer, depending on your communication method.
3. On the File menu, choose Print.

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