



ZebraNet® PS4000 Print Server

Quick Start Guide

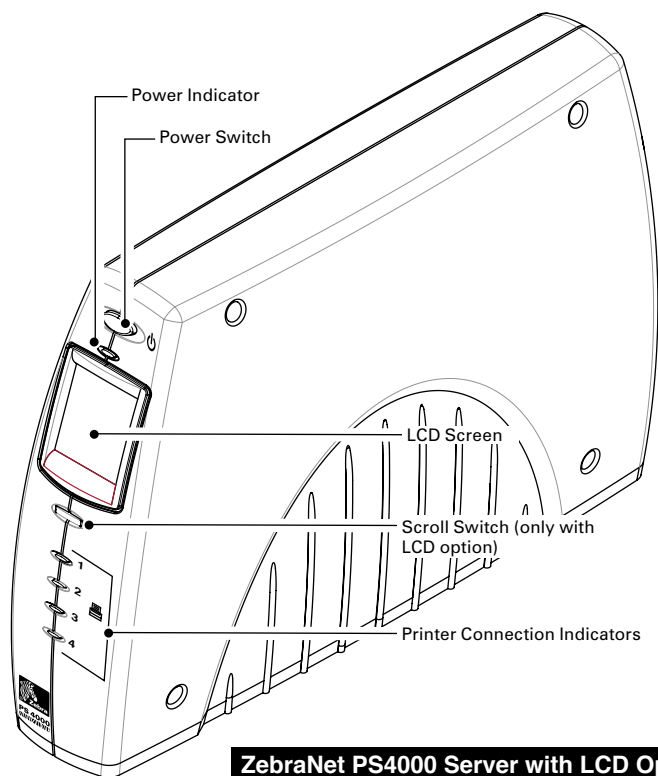
Introduction

The ZebraNet PS4000 Print Server acts as a means to connect up to four (4) printers to a Wireless Local Area Network (WLAN) using only one wireless connection. The ZebraNet PS4000 communicates to the network by means of an 802.11g radio link and will appear to the network as a single printer. It will then pass properly addressed printer commands to any printer connected to it by means of a wired USB connection.

Placement

The ZebraNet PS4000 Print server should be located following these basic guide lines:

- Place the server as high as possible, bearing in mind that personnel may have to view the optional display or have access to the controls and the console connection for diagnostic tasks.
- Place the server away from potential sources of radio interference. Some of these sources include computers, microwave devices, and wireless telephones which work in the 2.4GHz frequency range.
- Place the server away from large metal surfaces which may block radio reception.
- Observe the minimum separation distance as specified in the ZebraNet PS4000 Print Server Safety Guide, supplied with each unit.



ZebraNet PS4000 Server with LCD Option

Installation

The Server is supplied with a mounting base. When installed, the mounting base provides a secure mount for the server and allows it to be removed for servicing and replacement. The mount should be secured with the supplied hardware per the placement recommendations above. You should leave a minimum space of approximately 3.5" (9.0 cm) behind the server to allow room to install and remove the power and printer communication cables.

The ZebraNet PS4000 Server may be powered by either an AC power supply, or by the Zebra Technologies LA-24 Battery Pack, which can provide DC power for the Print Server and four (4) Zebra printers. Always observe the safety guidelines in both the LA-24 Battery Pack Safety Guide and the ZebraNet PS4000 Print Server Safety Guide when connecting power to the server.

Once the server has been secured, and you are using the AC Power Supply, plug the Power Supply into an AC socket and then plug the output cable of the Power Supply into the back of the Server. (refer to figure 2) Note that the AC Power Supply only provides power to the server; you must provide power to the printers separately.

If you are using the LA 24 Battery Pack, use the correct Zebra cable to make the connection between the Battery Pack, the Server and the printers.

You may then plug the printer communication cables into the rear of the unit, noting which ports the printers are plugged into.

Press the power switch on the front of the Server (Figures 3a & 3b) and ensure the power indicator is lit.

The display of servers equipped with the Liquid Crystal Display (LCD) option will also turn on. On servers without the display option, the battery strength indicators should light up.

Ensure each printer connected to the server has been successfully turned on and their power indicators are also lit. (Refer to the user documentation shipped with each printer for more details.)

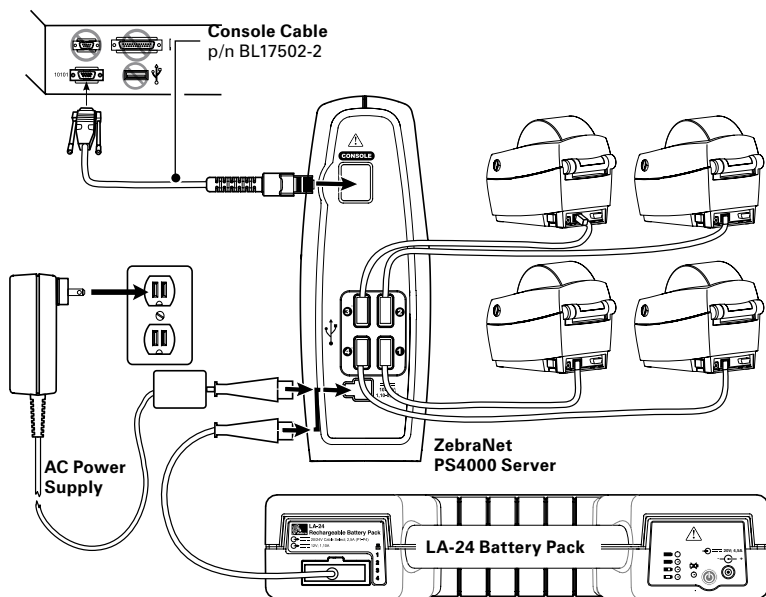


Figure 2: Server Installation

User Controls

The ZebraNet PS4000 Server has two possible configurations; with or without an LCD. Units without an LCD have a front panel as detailed in Figure 3a. Units with an LCD have a scroll wheel to allow selection of menu items on the LCD. Rotating the scroll wheel to the left or right will highlight items on the LCD screen, and pressing the scroll wheel “in” will select a highlighted menu item. Since the LCD is programmable, the menu selections will vary depending on how the server is programmed. The illustration in Figure 3b is a typical example.

Units without an LCD have an array of light emitting diodes (LEDs) which indicate battery strength when the server is connected to an LA-24 series battery. When the Server is connected to the AC power supply, all the LEDs will be lit.

Once the server has made a connection with a printer, its corresponding indicator on the Server front panel will be lit.

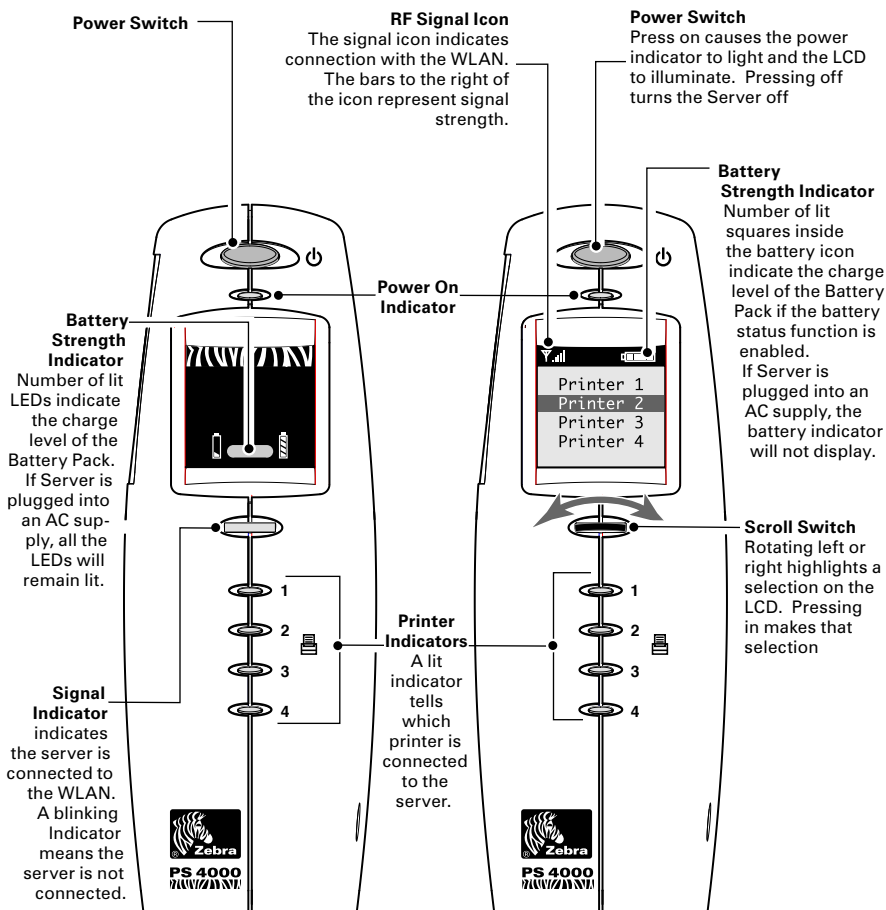


Figure 3a: Non LCD Front Panel

Figure 3b: LCD Front Panel

Operation

The setup software for the ZebraNet PS4000 Server requires either a connection between a PC running the setup software and the "Console" port of the server or a valid wireless connection between the WLAN and the server. It allows configuration of the server and the connected printers so that communication is possible over the wireless LAN. When the server and the printers are properly configured, the server will act as a "pass-through" device, receiving wireless commands addressed to connected printers, and routing them to the correct printer. The setup software is available for download at the Zebra corporate Web site at www.zebra.com.

The ZebraNet PS4000 uses many of the commands in the CPCL programming language, plus several commands unique to the server. A programming manual detailing these commands is also available on the Zebra Web site at www.zebra.com.

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