

Installing the Windows Printer Driver

First things first ...

For any of the operations described in this section you need the P640i Driver Software. This is on the Driver CD, and may also be downloaded from the Zebra Support Web page.

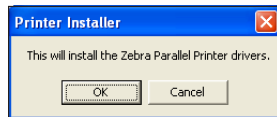
Driver CD

If you have the CD, place it in the computer's CD-ROM drive. This will display the Zebra Printer Setup screen. Follow the screen instructions to Uninstall or Install, referring where necessary to the additional information in this section.

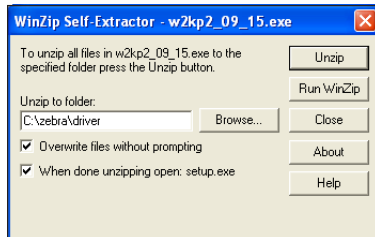
Download

Downloaded software comes to you as a self-executing application. Before you download, make a note of the **file name**, and **where** it will be saved on the computer's hard drive:

1. Click **Download**, then choose somewhere to store the file temporarily (the Desktop is a convenient location).
2. Navigate to that location, then launch the **Printer Installer** by double clicking the downloaded file.



3. Click **OK**. This brings up the WinZip Self-Extractor, which will put the unzipped (decompressed) files in their default location (c:\zebra\driver), unless you choose a different location. Click **Unzip**. The Self-Extractor will then announce that it has successfully unzipped a number of files.



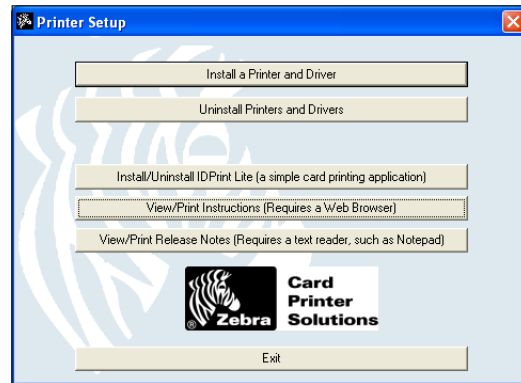
4. Navigate to **c:\zebra\driver**, or to the alternate location you specified, then double click **setup.exe**. This displays the Zebra Printer Setup screen. You are now at the same stage as if you had inserted the Driver CD.



If the computer you are working on has ever run a Zebra P600 series printer, uninstall all previous versions of the driver before installing the new one. You can **NOT** *uninstall a printer driver using the Add/Remove Programs procedure in Windows.*

Uninstalling the printer driver

Go to the Zebra Printer Setup screen from the Driver CD or from the downloaded software, see above.



1. Click **Uninstall Printers and Drivers**.
2. In the next window to appear, click **Uninstall Printer Drivers**. Complete the process by re-starting the computer.



OPERATING SYSTEM DIFFERENCES

Windows 2000 and Windows XP install printer drivers in different ways. Although the overall process is similar, the dialog boxes are not identical. The screen shots in this section are for **Windows XP**.

Installing the printer driver



Only USB and Parallel versions are described here. The optional internal Ethernet port is configured in a different way, and requires technician help. For more information, contact Zebra tech support.

This section outlines the three ways of installing the P640i driver: 1) Direct from the Zebra **Printer Setup** screen (page TN9-3, which comes up automatically from the **Driver CD**, or from downloaded software, see **Download** on this page; 2) Using the **Add a Printer** procedure (page TN9-5), and; 3) Using the **New Hardware Found Wizard** procedure (page TN9-2). No matter which way you select, or allow Windows to select for you, have the Driver CD or downloaded software on hand before you start.

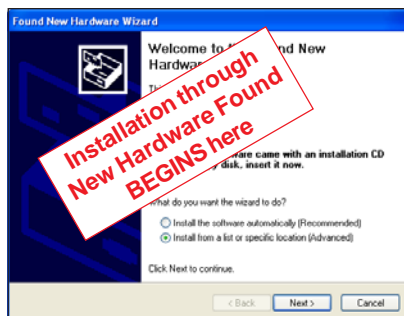
Note: If you are using the **parallel** port to connect to your computer, make sure the computer is set to **ECP mode** **before** installing the driver. To do this you need to check the computer's BIOS. For help, refer to your computer manual or consult your technician. You do **not** need to select **ECP mode** if you are using the **USB** port.

New Hardware Found Wizard

NOTE: The **New Hardware Found** message appears only if the P640i printer has *never been installed* on the computer to which it is now connected.

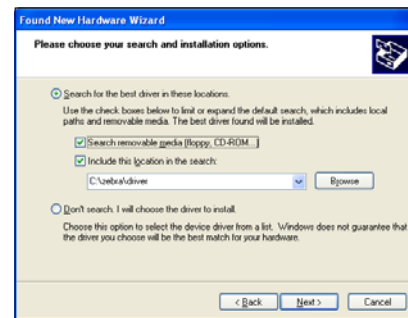
If you plan to connect the P640i Printer to the computer's parallel port, **shut down** the computer, then make the connection. USB, which can be connected "hot", has a faster data transfer rate, and is the preferred port.

Power up the printer and start the computer. If you do not see the following screen, install the driver from Zebra's **Printer Setup** screen (page TN9-3), or use the **Add a Printer** procedure (page TN9-5).

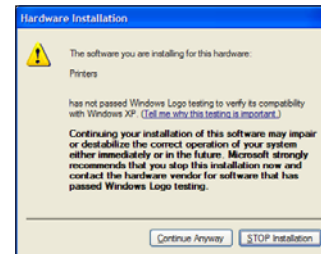


1. Select Install from a list or specific location, then click **Next**.

New Hardware Found Wizard *continued*

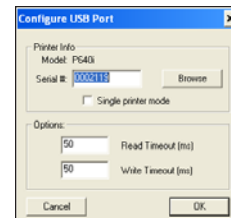
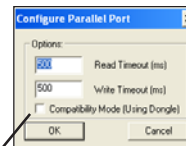


2. If you have the Driver CD, place it in the CD-ROM drive. If you are working instead with downloaded software (or if you think the download may be more recent), check Include this location in the search, then type in (or browse to) the download's default location, **c:\zebra\driver**, unless you sent the unzipped files somewhere else. Click **Next**.
3. Following Step 2 the computer searches for a file named **Atlpriint.inf**. If the search is successful, the following screen appears.



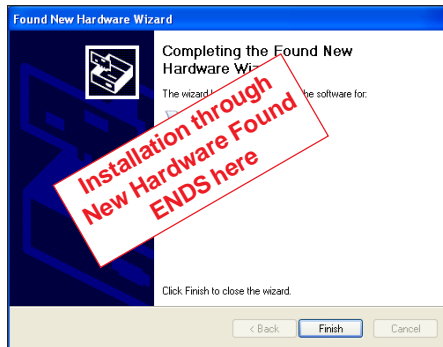
This screen warns that installation of the driver software may destabilize your system. The P640i driver software has been exhaustively tested in many installations, and has caused no problems of which Zebra is aware.

4. Click **Continue Anyway** to complete the printer driver installation. This will bring up the License Agreement.
5. Click **Accept** the License Agreement to proceed with the installation, then accept (click **OK**) the timeout defaults on whichever Configure screen appears, USB or Parallel (the Wizard knows which, depending on the physical connection).



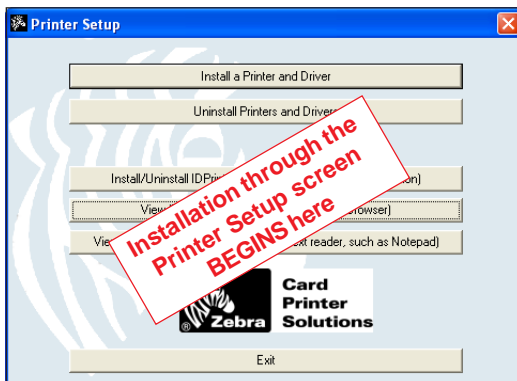
NOTE: *Compatibility Mode* should be enabled only if the P640i printer is connected to the computer's parallel port through a third party "dongle" (a hardware security device).

6. Click **Finish** to complete the installation.

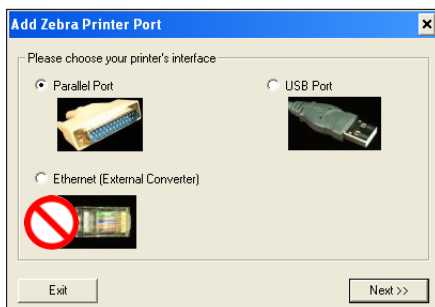


Install using Zebra's Printer Setup screen

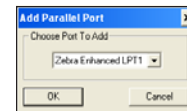
1. Referring to "First things first", page TN9-1, place the Driver CD in the CD-ROM drive, or double-click **setup.exe** in the file folder containing the unzipped downloaded driver.




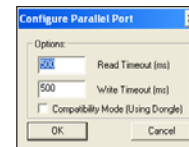
2. This is the Zebra **Printer Setup** screen. From here you can install or uninstall the print driver on your computer. Additionally, you can install **IDPrint Lite**, a simple card printing application for functional testing. The two View/Print buttons provide information for the technician.
3. Click **Install a Printer and Driver**. This brings up the **Zebra Add Printer Port** screen.



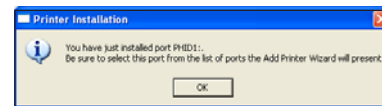
4. Unless you are connecting to a network through the optional Ethernet port, select either **Parallel Port** or **USB Port** (depending on your choice of cable connection between computer and printer), then click **Next**. For information on Ethernet options, contact Zebra support.
5. **Parallel Port**. If you selected Parallel Port, the next screen displays **Zebra Enhanced LPT1**. This is the default (recommended) port. Click **OK** to accept.



 **Zebra Enhanced LPT1 is called PHID1 in the Add Printer Wizard**



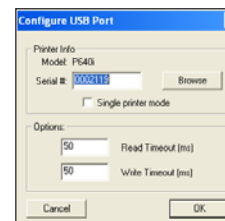
NOTE: Compatibility Mode should be enabled only if the P640i printer is connected to the computer's parallel port through a third party "dongle" (a hardware security device).



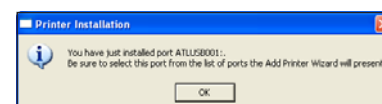
PHID1 here is the alias for "Zebra Enhanced LPT1".

If you have accepted the above two screens, the Add Printer Wizard will complete the installation semi-automatically, see Step 6 and following.

5. **USB Port**. If you selected USB Port, the next screen displays the serial number of the connected P640i printer. If more than one P640i printer is connected, **Browse**, then pick one from the list.



Single printer mode is not recommended except for special situations.



5. USB Port *continued*

If you have accepted the above two screens, the Add Printer Wizard will complete the installation semi-automatically, see Step 6 and following.



*From this point on, the screens for Parallel and USB are similar, the only difference being the port description. **Only USB screens are shown.***



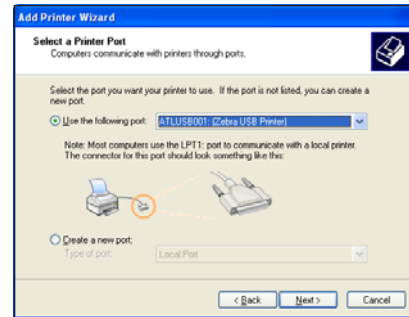
6. On the next screen select the default, **Local printer**, with the "Auto Plug and Play" box unchecked, then click **Next**.



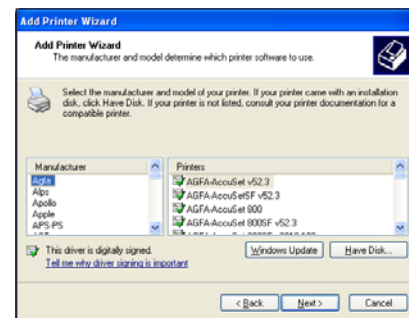
7. "Local printer" is the default selection. Click **Next**.

***The P640i is always a "Local Printer"** even if it is connected by Ethernet to a network of several computers. In such an installation the P640i printer driver would be **separately installed** on each of the connected computers, so the P640i would not be a "network printer" as defined by Microsoft.*

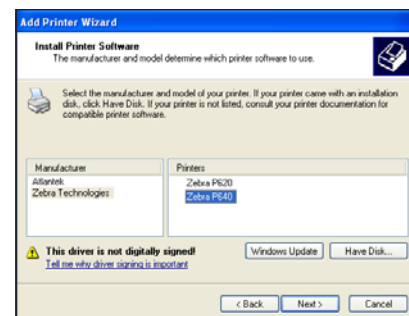
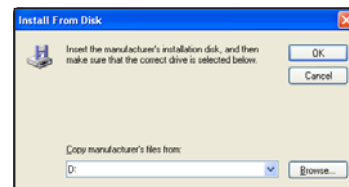
8. On the following screen click on the drop down arrow to view the options. Select (typically) ATLUSB001 for USB or PHID1 for Parallel, then click **Next**.



9. The next screen is a list of all printer drivers that came with the Windows operating system. The P640i is not one of them, so click **Have Disk** (even if you will be working with a downloaded driver instead of a disk). This tells the system it has to look elsewhere for the driver.



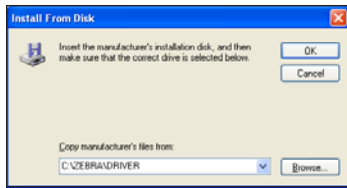
10. On the next screen press the down arrow, select the CD-ROM drive containing the Driver CD, then press **OK**. This brings up a screen that offers another choice of printers, this time only from Zebra. Select **Zebra Technologies** and **Zebra P640i**. If you don't have the CD, go to Step 11.



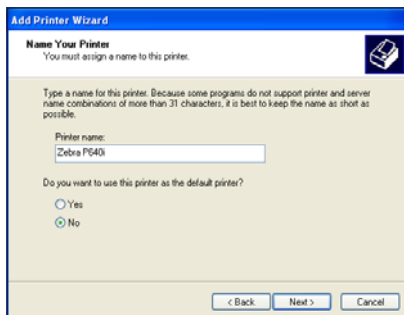
After selecting the P640i go to Step 12.

Install using Zebra's Printer Setup screen *continued*

11. If you don't have the CD, **Browse** to the location (folder) containing the unzipped downloaded driver files (default location is c:\zebra\driver). If necessary, double click the file named **AtlPrint.inf**.



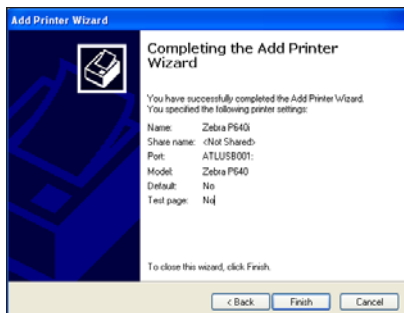
12. On the following screen type in a name for the printer. This can be anything you like, such as "Printer A". Typically, check **No**, don't make this the default printer. If asked, you do **NOT** want to **share** the printer.



13. If you select **Yes**, Print Test Page, the printer will do just that when the installation is completed, and the various media are loaded. The test page is a clipping from the top left corner of the standard Microsoft Printer Driver report.

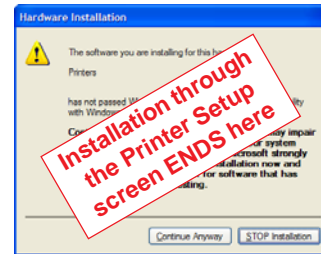


14. Click **Next** to bring up the **Completing the Add Printer Wizard** screen.



Install using Zebra's Printer Setup screen *continued*

15. The next screen warns that installation of the driver software may destabilize your system. The P640i driver software has been exhaustively tested in many installations, and has caused no problems of which Zebra is aware. Click **Continue Anyway** to complete the printer driver installation.

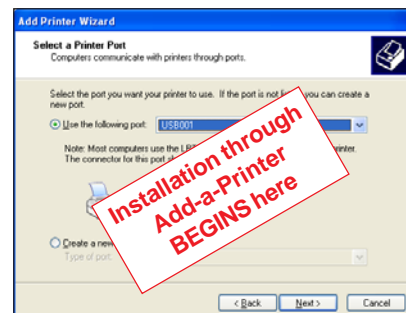


Install using "Add a Printer"

The third way to install the printer driver is through the standard Windows Add-a-Printer procedure. Go to the Windows **Start** menu, select **Printers** or **Printers and Faxes**, then click **Add a Printer**. Click **Next** on the welcome screen, and you are at practically the same stage as at the end of Step 5, page TN9-4.



From this point on the only difference relative to the "Zebra Printer Setup" (starting page TN9-3) is that in "Add a Printer" you now have to select a port. (In the Printer Setup procedure, port configuration is the first thing you do.)



Select Parallel port **LPT1** or USB port **USB001**. You do not have to use these default numbers, but note that the Parallel port number relates to a specific physical port (USB does not). Note that you are not offered here the Zebra **PHID1** parallel or **ATLUSB001** ports as you were in Step 8, page TN9-4. These are custom port designations that will be made automatically as you proceed.