



Installation Instructions for Xerox Phaser Printer Firmware Updates

November 10, 2005

This document describes the steps necessary to install a firmware upgrade for certain models of Xerox Phaser printers. Some Phaser printers may use different methods to install firmware updates; please see the chart at the end of this document to determine if these instructions apply to a particular model of Phaser printer.

Before installing new software or firmware, check the Xerox internet web site for new or updated versions:

<http://www.support.xerox.com/go/prodselect.asp>

See the Change Notes document in the file included in the firmware update package for a detailed list of changes for a particular firmware version.

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Read this before beginning the firmware update

Checking the version of firmware installed in your Phaser printer

Check the version of the firmware currently installed in the printer before performing the printer firmware update, to determine if the printer requires the updated firmware. The printer lists the currently installed firmware version on the configuration page. A configuration page is printed from the printer's front panel menu controls.

Caution: *Some printer settings may be changed from their present value to the factory default value by the firmware update. Save the configuration page printed here and use it as a reference to restore the printer's settings after the firmware update is complete. See the Change Notes document included in the firmware update package to determine if any printer settings are altered by the firmware update process.*

To print the configuration pages and check the firmware version presently installed:

1. Use the arrow keys on the printer's front panel to select the "Information►" item, and press "**Enter**".
2. Use the arrow keys on the printer's front panel to select the "Information Pages►" item, and press "**Enter**".
3. Use the arrow keys to scroll to the "Configuration Page" item, and press "**Enter**".

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4. The printer prints one or more pages of configuration information. The firmware versions currently installed are displayed near the top of the left column on the first page, under the “General Information” heading:

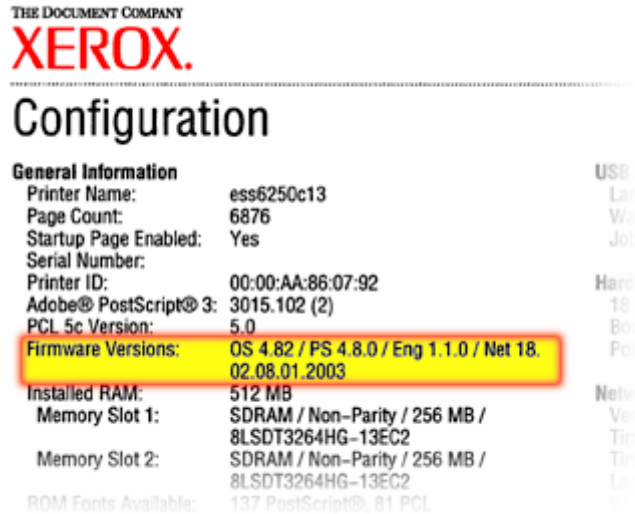


Figure 1: Identify the current firmware versions on the configuration page

Check the currently installed firmware version against the table in the “Change Notes” document to determine if a firmware update is necessary.

Note: *The print engine firmware revision number is not usually affected by this firmware update package, and is not listed in this table. The print engine firmware revision number is shown after the identifier “Eng” in the printer firmware version line, between the “PS” and “Net” items.*

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I. Updating a Phaser using a TCP/IP Network Connection and Web Browser

Note: *This is the preferred method for installing the firmware update for most environments.*

Caution: *Some of the printer's settings may be changed from their present value to the factory default values by a firmware update. The Change Notes included in the firmware update package will indicate what settings, if any, may be changed by the update. Print a configuration page as described in "Checking the version of firmware installed in your Phaser printer" above, and use this page as a reference to restore the printer's settings after the firmware update is complete.*

1. Launch the web browser on your computer. Microsoft Internet Explorer , Netscape Navigator , Apple Safari , Mozilla FireFox , and most other web-browsers are supported.

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2. Enter the TCP/IP address of the printer or its DNS network name in the web browser's address bar, and press Return or Enter to open the page. The address bar is typically at the top of a browser window. *Shown in the top-left red oval.*
3. Click on the "Print" button in the list of functions on the right side of the page. *Shown in the bottom-right red oval.*

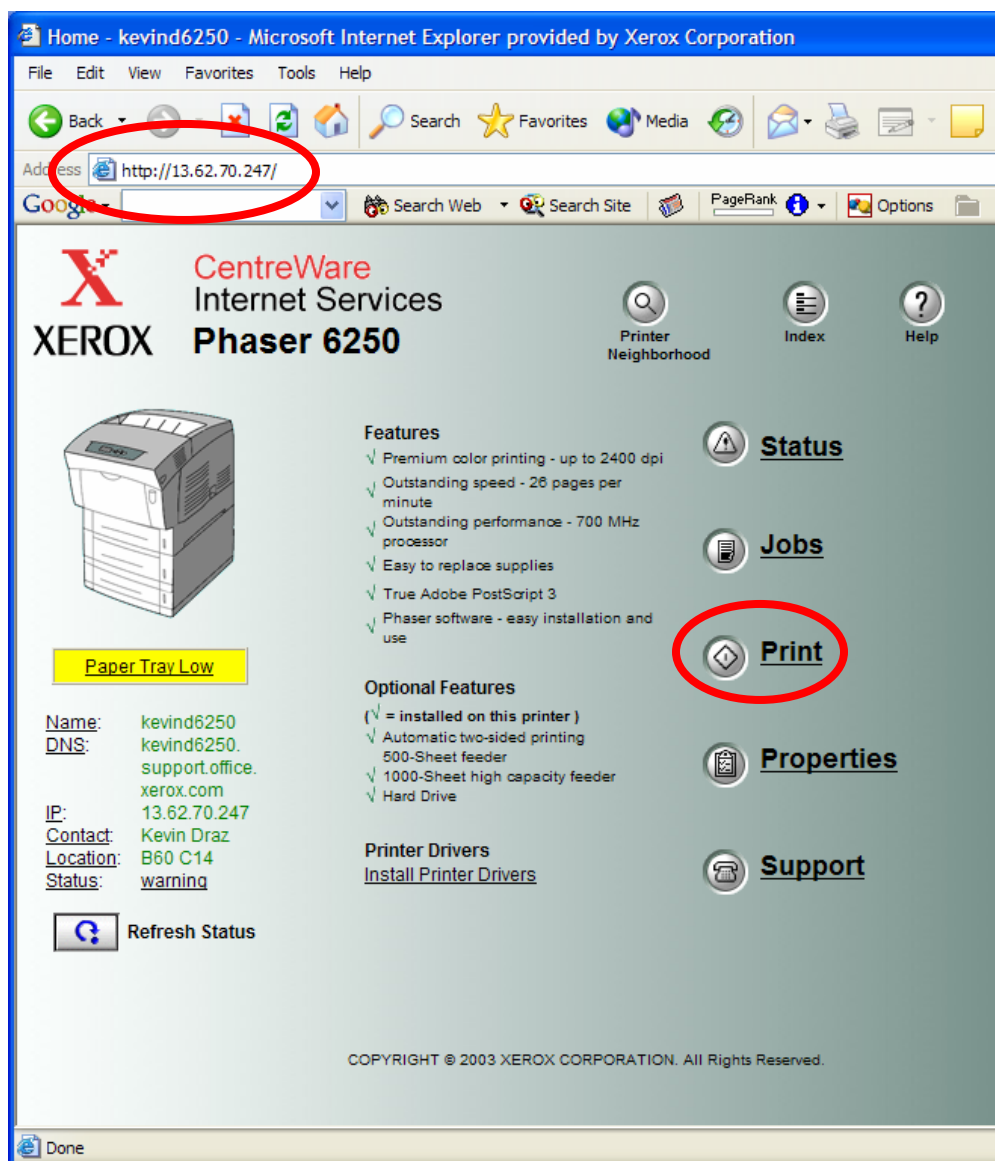


Figure 2: Enter the printer's address and select the "Print" item

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- Click on the "File Download" link in the list of options on the left side of the page. *Shown in the red oval on the left side of the page.*

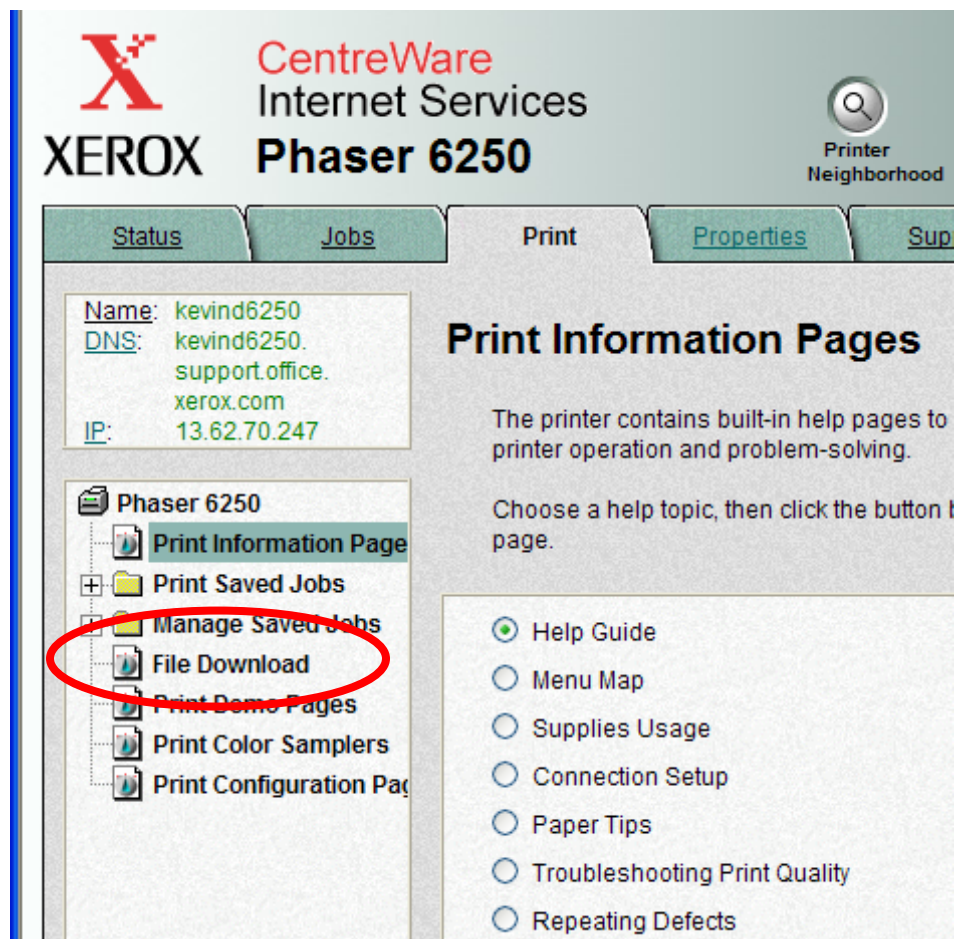


Figure 3: Select the "File Download" section

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5. Click the “Browse” button. In the resulting file open window, select the firmware update file that is provided as part of this update package. Firmware update files will have a file extension of “.ps”. *Shown in the upper red oval.*

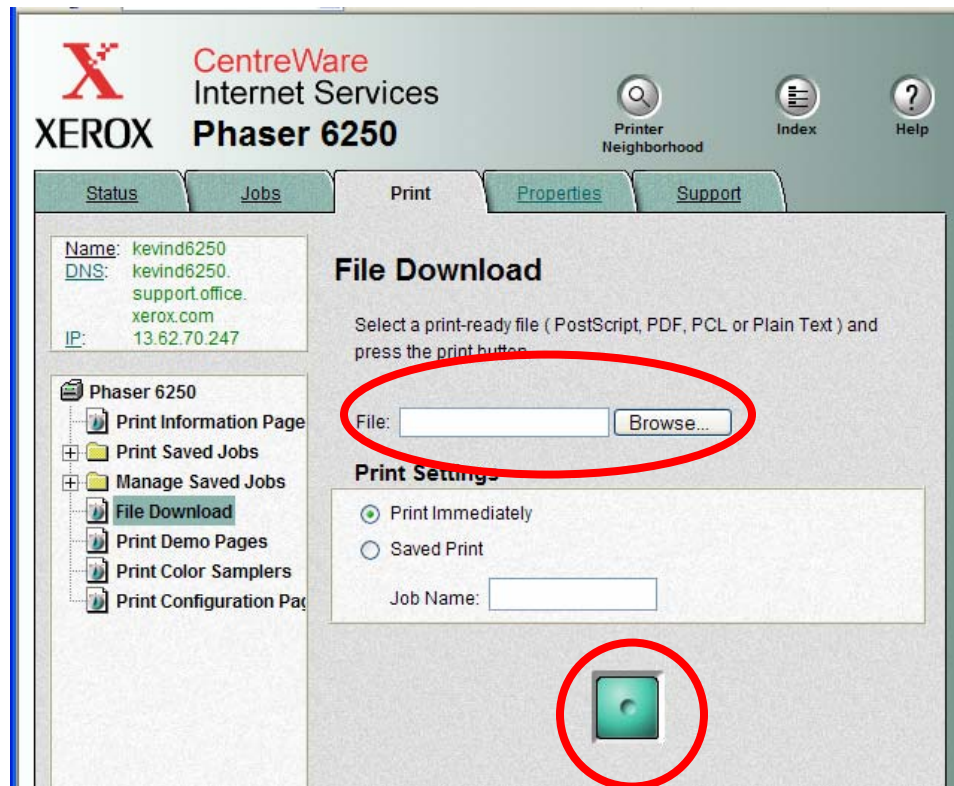


Figure 4: Select the firmware update file and press the green button to send it.

6. Click the green button to transmit the firmware update to the printer.
7. The printer restarts automatically when the update process is complete. A startup page will be printed after the restart, which indicates the firmware update is finished.

Caution: *Do not attempt to cancel the firmware update process or turn off the printer power during the update. The printer might be left in an inoperable state that requires service. The printer automatically restarts after the firmware update process is complete.*

8. If the Change Notes indicate that some printer settings may be changed to factory defaults, restore the printer’s settings to their previous values shown in the configuration page printed earlier. Settings may be changed at the printer’s front panel interface, or through CentreWare IS using a web browser.

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II. Updating a Phaser through the a Windows print queue.

Note: *This method will work for printers that are connected through a Windows or Novell print server, direct USB connections, direct Parallel connections, or using peer-to-peer network connections.*

1. Start the “OPB File Downloader.exe” application located in the firmware update package by double-clicking its icon.
2. Select the Phaser printer queue in the pull-down list of installed printer queues.
3. Use the “Browse...” button to select the firmware update file that is provided as part of this update package and then press the “Send” button. Firmware update files will have a file extension of “.ps”. The firmware update is sent to the printer using the Windows print spooler.

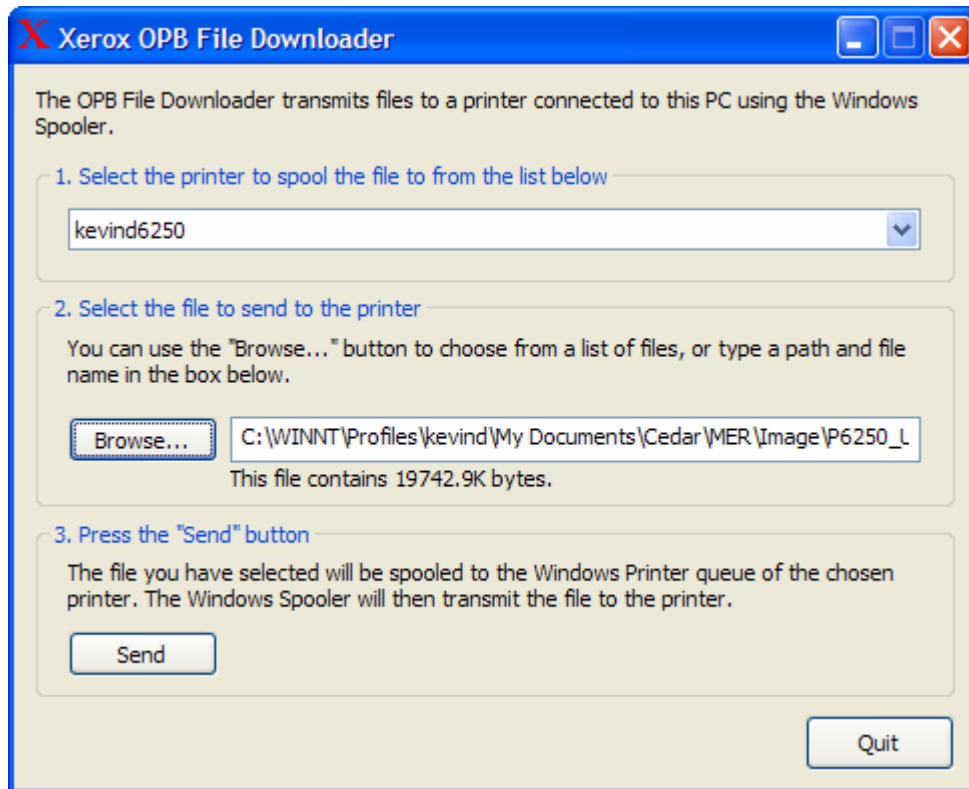


Figure 5: Sending the update with the Xerox File Downloader

4. The printer restarts automatically when the update process is complete. A startup page will be printed after the restart, which indicates the firmware update is finished.

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Caution: *Do not attempt to cancel the firmware update process or turn off the printer power during the update. The printer might be left in an inoperable state that requires service. The printer automatically restarts after the firmware update process is complete.*

5. If the Change Notes indicate that some printer settings may be changed to factory defaults, restore the printer's settings to their previous values shown in the configuration page printed earlier. Settings may be changed at the printer's front panel interface, or through CentreWare IS using a web browser.

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III. Updating a Phaser with a Macintosh computer with an AppleTalk network connection

1. Launch the “Apple Printer Utility” provided with the firmware update package.

Note: *The Apple Printer Utility is a classic Macintosh application that runs in either Mac OS 9 as a native program or Mac OS X within the Classic environment.*

2. Select the Phaser printer in Printer Selector window of the Apple Printer Utility, and press the “Open Printer” button. If the Phaser printer does not appear in the list of printers, ensure the AppleTalk zone containing the Phaser printer is selected (*figure 1*).

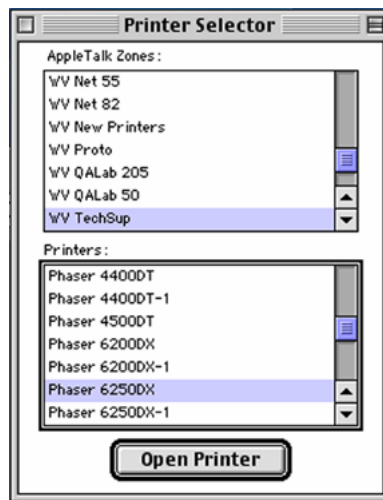


Figure 6: Selecting an AppleTalk Printer

Note: *If the Printer Selector window does not appear, open it using the “Selector Window” item in the “Windows” menu of the Apple Printer Utility.*

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3. Select the “Send PostScript File...” item in the “File” menu of the Apple Printer Utility.

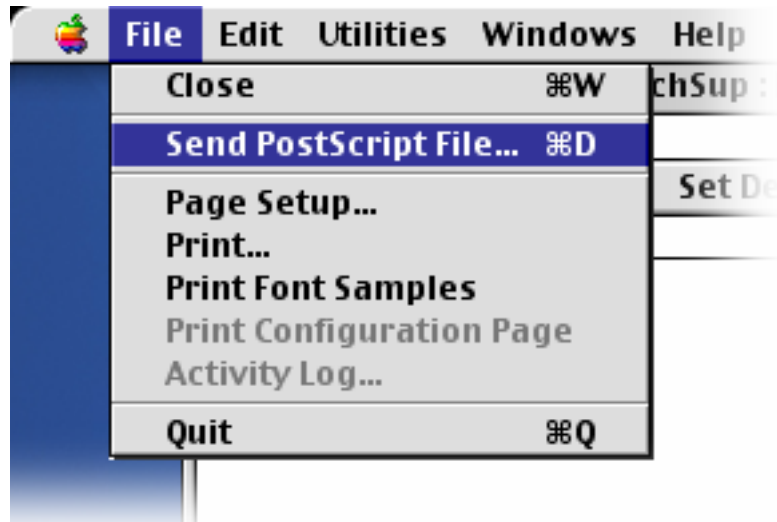


Figure 7: Select the "Send PostScript File..." command

4. Select the firmware update file that is provided as part of this update package and press the “Open” button. Firmware update files will have a file extension of “.ps”.

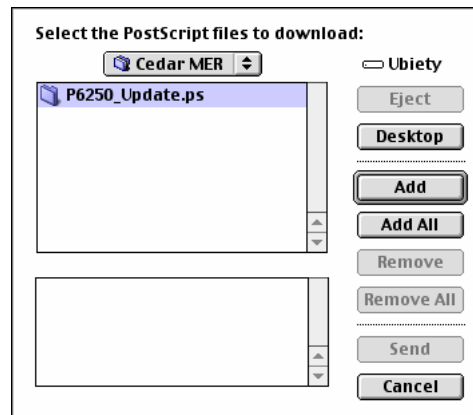


Figure 8: Select the firmware update file

5. The printer restarts automatically when the update process is complete. A startup page will be printed after the restart, which indicates the firmware update is finished.

Caution: *Do not attempt to cancel the firmware update process or turn off the printer power during the update. The printer might be left in an inoperable state that requires service. The printer automatically restarts after the firmware update process is complete.*

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6. If the Change Notes indicate that some printer settings may be changed to factory defaults, restore the printer's settings to their previous values shown in the configuration page printed earlier. Settings may be changed at the printer's front panel interface, or through CentreWare IS using a web browser.

IV. Updating a Phaser 6250 from a Macintosh computer with a USB connection

1. Insure the Phaser printer is powered on and connected to the Macintosh via a USB cable.
2. Launch the "USB Updater" application located in the firmware update package folder.

Note: *The "USB Updater" is a Macintosh application that runs in either Mac OS 9 as a native program or within the Classic environment on Mac OS X.*

3. When the application launches, select the Phaser printer from the list of USB-connected printers that appears.

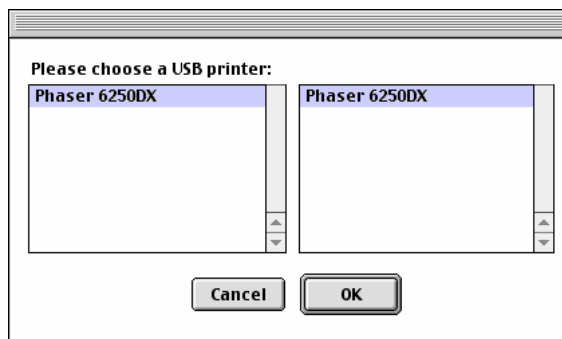


Figure 9: Select the printer when the USB Updater launches

4. From within the "File..." menu, choose the "Select File..." menu command.

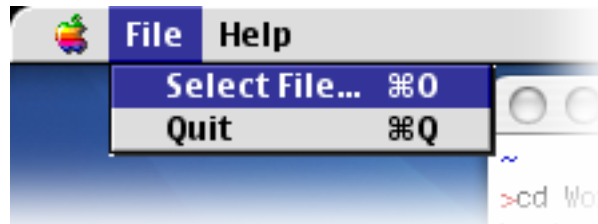


Figure 10: Choose the "Select File..." command

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5. Select the firmware update file that is provided as part of this update package and press the “Open” button. Firmware update files will have a file extension of “.ps”.

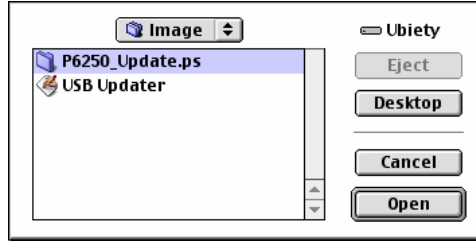


Figure 11: Choose the firmware update file and press "Open"

6. The printer restarts automatically when the update process is complete. A startup page will be printed after the restart, which indicates the firmware update is finished.

Caution: *Do not attempt to cancel the firmware update process or turn off the printer power during the update. The printer might be left in an inoperable state that requires service. The printer automatically restarts after the firmware update process is complete.*

7. If the Change Notes indicate that some printer settings may be changed to factory defaults, restore the printer’s settings to their previous values shown in the configuration page printed earlier. Settings may be changed at the printer’s front panel interface, or through CentreWare IS using a web browser.

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V. Installing the firmware update using an FTP client

Xerox Phaser printers can accept files for printing via FTP. FTP is a common method to transfer files between computers that is supported by most computer operating systems.

To open the FTP client on a Windows computer:

1. Open the “Start” menu in the taskbar, then select the “Run...” item.
2. In the dialog box that appears, type “ftp” in the “Open:” text box, then press the “OK” button.

To open the FTP client on a Macintosh OS X computer:

1. Open a window in the Finder, then navigate to the “Applications” folder.
2. Open the “Utilities” folder within the “Applications” folder.
3. Launch the “Terminal” application.
4. At the command prompt, type “ftp” and press Enter.

To open the FTP client on a Unix or Linux computer:

The FTP client can usually be invoked by typing “ftp” and pressing Enter in any command shell.

Once the FTP client is open, to send the firmware update file to the Phaser printer:

1. Change the local directory to the folder that contains the printer firmware update (.ps) file using the “lcd” command.
2. At the FTP client prompt, type “open *printeraddress*”, where *printeraddress* is the DNS name or IP address of the Phaser printer.
3. In response to the login prompt, press “Enter” (no login name required).
4. At the FTP client prompt, type “put *firmwareupdatefile.ps*”, where *firmwareupdatefile.ps* is the file that contains the Phaser printer firmware upgrade.

Note: *The Phaser printer will automatically reboot after the firmware update is installed. The FTP network connection is not mutually closed between the computer and the printer, which may print an error message in the FTP client. This message may be ignored; the firmware update will complete successfully.*

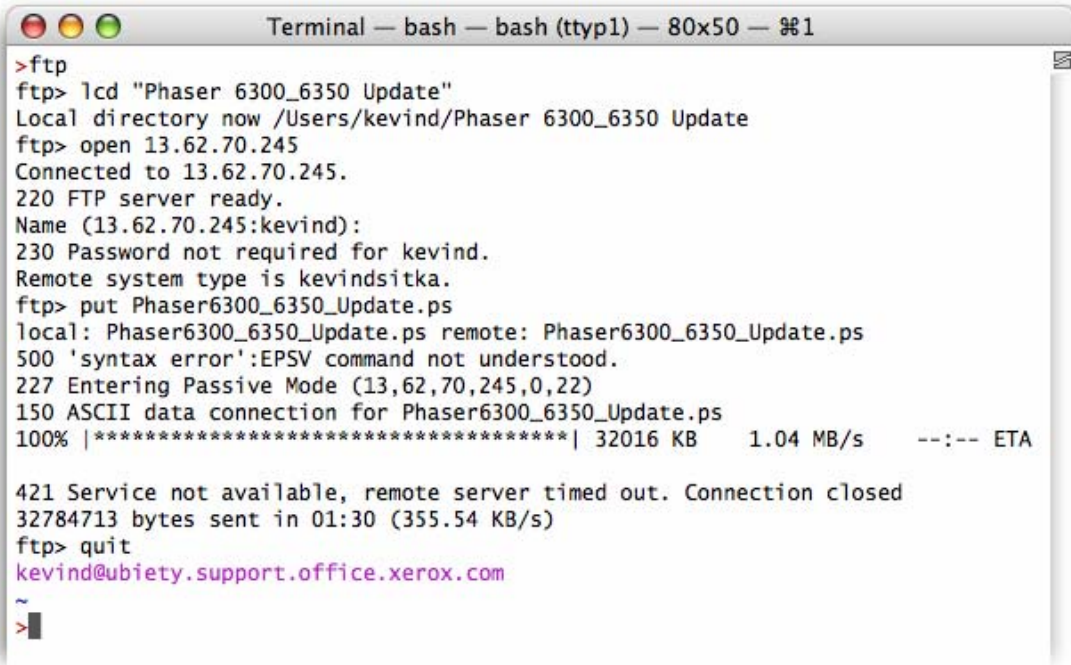
Caution: *Do not attempt to cancel the firmware update process or turn off the printer power during the update. The printer might be left in an inoperable state that requires service. The printer automatically restarts after the firmware update process is complete.*

5. When the FTP transfer is complete, type “Quit” to exit.

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6. If the Change Notes indicate that some printer settings may be changed to factory defaults, restore the printer's settings to their previous values shown in the configuration page printed earlier. Settings may be changed at the printer's front panel interface, or through CentreWare IS using a web browser.



```
Terminal — bash — bash (tty1) — 80x50 — %1
>ftp
ftp> lcd "Phaser 6300_6350 Update"
Local directory now /Users/kevind/Phaser 6300_6350 Update
ftp> open 13.62.70.245
Connected to 13.62.70.245.
220 FTP server ready.
Name (13.62.70.245:kevind):
230 Password not required for kevind.
Remote system type is kevindsitka.
ftp> put Phaser6300_6350_Update.ps
local: Phaser6300_6350_Update.ps remote: Phaser6300_6350_Update.ps
500 'syntax error':EPSV command not understood.
227 Entering Passive Mode (13,62,70,245,0,22)
150 ASCII data connection for Phaser6300_6350_Update.ps
100% |*****| 32016 KB 1.04 MB/s --:-- ETA

421 Service not available, remote server timed out. Connection closed
32784713 bytes sent in 01:30 (355.54 KB/s)
ftp> quit
kevind@ubiety.support.office.xerox.com
~
>
```


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These installation instructions apply to the following models of Xerox Phaser printers. Models not listed here have different firmware update procedures, see the instructions that may be provided with the firmware update package for a particular Xerox printer.

Printer Model Application List
Phaser 4400
Phaser 4500
Phaser 5500
Phaser 6200
Phaser 6250
Phaser 6300
Phaser 6350
Phaser 7300
Phaser 7700
Phaser 7750
Phaser 8500
Phaser 8550