

## Fonts

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### Types of Fonts

Your printer uses the following types of fonts:

- Resident fonts
- Fonts downloaded into printer memory
- Fonts downloaded with your print job from the application

Adobe Type Manager (ATM) software enables your computer to display these fonts on your computer screen as they will appear in your prints.

If you do not have ATM on your computer:

1. Install it from the *Printer Installer and Utilities CD-ROM*.
2. Install the printer's screen fonts for your computer from the ATM folder.

### Resident Printer Fonts

Printer-resident PostScript and PCL fonts are always available for printing. Print a sample of the resident PostScript or PCL fonts at the front panel. See "Information Pages" in this section for information on how to print the sample.

### Viewing a List of Available Fonts

To view a list of available PCL or PostScript fonts, use CentreWare IS:

1. Launch your web browser.
2. Enter your printer's IP address in the browser's **Address** field (<http://xxx.xxx.xxx.xxx>).
3. Select **Properties**.
4. Select the **Web Server** folder on the left sidebar.
5. Select **Font Files**.

## Printing a List of Available Fonts

To print a list of available PostScript or PCL fonts, use:

- The printer's front panel
- CenterWare IS
- The printer driver

### Using the Printer's Front Panel

To print either a PostScript or PCL font list at the front panel:

1. Select **Information**, then press the **OK** button.
2. Select **Information Pages**, then press the **OK** button.
3. Select either **PCL Font List** or **PostScript Font List**, then press the **OK** button to print.

### Using CentreWare IS

To print either a PostScript or PCL font list from CenterWare IS:

1. Launch your web browser.
2. Enter your printer's IP address in the browser's **Address** field (<http://xxx.xxx.xxx.xxx>).
3. Select **Properties**.
4. Select the **Web Server** folder on the left sidebar.
5. Select **Font Files**.
6. Click the **Printer** icon to print the list of fonts.

### Using a PC Printer Driver

To print either a PostScript or PCL font list from your printer driver:

1. Select **Start**, select **Settings**, then select **Printers**.
2. Right-click the **4500** printer, then select **Properties**.
3. Select the **Troubleshooting** tab.
4. Click the drop-down arrow in the **Printer Information** field to view the list of options.
5. Select **PostScript Font List** or **PCL Font List** from the drop-down list.
6. Click **Print**.

## Listing the Fonts from a Mac

Use the Apple Printer Utility to list the fonts available on your printer.

1. If you do not have the Apple Printer Utility on your computer, install it from the *Printer Installer and Utilities CD-ROM*.
2. Double-click the **Apple Printer Utility** icon (in the **PhaserTools** folder on your computer's hard drive) to launch the utility.
3. In the **Printer Selector** dialog box:
  - a. Under **AppleTalk Zones**, select your printer's zone.
  - b. Under **Printers**, select your printer.
  - c. Click **Open Printer**.
4. From the **File** menu, select **Print Font Samples**.

## Downloading Fonts

To supplement the resident fonts (which are always available for printing), downloadable fonts can be sent from your computer and stored in the printer's memory or on the printer's hard drive.

### Note

If you turn the printer off, the fonts you download to memory are deleted. You must download them again when you turn the printer on.

Before printing, verify that the fonts specified in your document are installed in the printer or are set up to download correctly. If your document has a font not currently in your printer, or downloaded with your print job, a different font will be used.

The printer accepts the following downloadable fonts:

### PCL Font Type Support:

- Type 0
- Type 10
- Type 11
- Type 15
- Type 20

### Postscript Font Type Support:

- Type 1
- Type 3
  - Adobe
  - Agfa
  - Bitstream
  - Microsoft
  - Apple

**TrueType** (Scalable to any point size; looks the same on-screen and printed)

To list the fonts available on your printer, install the font management utility from the Xerox web site at [www.xerox.com/office/support](http://www.xerox.com/office/support).

1. Select your printer from the **Network Printers** drop-down list.
2. Select the **platform** you are running from the drop-down list, “Which files for your printer would you like?”
3. Select **Printer Utilities** from the drop-down list.
4. Click **Go**.
5. Select the CentreWare **Font Management Utility**.
6. Save the **.exe** file to your desktop.
7. Double-click the **.exe** file icon on your desktop to install the font manager.

### Downloading Fonts from CentreWare Font Management Utility

The CentreWare Font Management Utility (FMU) is a Windows application that helps manage fonts, macros and forms on a printer’s hard drive. Downloading fonts to a printer can improve printing performance and reduce network traffic. You can list, print, and download PostScript and PCL fonts using the Font Management Utility. To download the Font Management Utility, go to [www.xerox.com/office/drivers](http://www.xerox.com/office/drivers) and use the Key word search **FMU**.

### Downloading Fonts from a Mac (9.x only)

Use the Apple Printer Utility to download fonts to the printer.

#### Note

If you do not have the **Apple Printer Utility** on your computer, install it from *Printer Installer and Utilities CD-ROM*.

1. Double-click the **Apple Printer Utility** icon (in the **PhaserTools** folder on your computer’s hard disk) to launch the utility.
2. In the **Printer Selector** dialog box:
  - a. Under **AppleTalk Zones**, select your printer’s zone.
  - b. Under **Printers**, select your printer.
  - c. Click **Open Printer**.
3. Click the arrow next to **Printer Preferences**.
4. Click the arrow next to **Fonts** to display the list of installed fonts and their locations, then click **Add**.
5. Select the folder containing the font you want to download, select the font, then click **Add**. The font is listed as ready to download.

#### Note

To add all of the fonts in the folder to the list of fonts to download, click the **Add All** button. If you decide not to download a font, highlight the font in the list of fonts to download, then click **Remove**.

6. Select either the printer’s memory or hard drive for **Destination**.

7. Click **Send** to download the fonts in the list.

**Note**

To remove downloaded fonts from the printer, follow Steps **2** through **4**. Click the **Fonts** drop-down list, select the font you want to remove, then click **Remove**.