

HP Designjet Z3200 Photo Printer series

Quick reference guide



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1 Introduction

Safety precautions

The following precautions ensure the proper use of the printer and prevent the printer from being damaged. Follow these precautions at all times.

- Use the power supply voltage specified on the nameplate. Avoid overloading the printer's electrical outlet with multiple devices.
- Ensure the printer is well-grounded. Failure to ground the printer may result in electrical shock, fire and susceptibility to electromagnetic interference.
- Do not disassemble or repair the printer yourself. Contact your local HP Service Representative for service, see [Contact HP Support on page 43](#).
- Use only the electrical cord supplied by HP with the printer. Do not damage, cut or repair the power cord. A damaged power cord has risk of fire and electric shock. Replace a damaged power cord with an HP-approved power cord.
- Do not allow metal or liquids (except those used in HP Cleaning Kits) to touch the internal parts of the printer. Doing so may cause fire, electric shock or other serious hazards.
- Power off the printer and unplug the power cable from the power outlet in any of the following cases:
 - When placing your hands inside the printer
 - If there is smoke or an unusual smell coming from the printer
 - If the printer is making an unusual noise not heard during normal operation
 - A piece of metal or a liquid (not part of cleaning and maintenance routines) touches internal parts of the printer
 - During a thunderstorm
 - During a power failure

HP Start-Up Kit

The HP Start-Up Kit is the CD that comes with your printer; it contains the printer's software.

Your printer's documentation

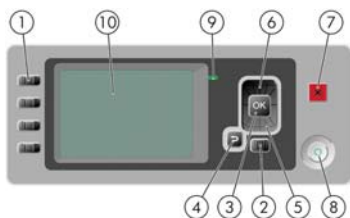
You can read about how to use your printer in *Using your printer* and the *Quick reference guide*. The most complete source of information is *Using your printer*, which is available from <http://www.hp.com/go/z3200/manuals/> and <http://www.hp.com/go/z3200ps/manuals/>. The *Quick reference guide* contains the

most commonly-needed information, and is provided as a printed manual with your printer.

The front panel

Your printer's front panel is located on the front of the printer, in the center. It has the following important functions:

- Assists you in troubleshooting issues
- Is used to perform certain procedures, such as cutting and unloading paper
- Displays helpful animations to guide you through procedures
- Displays up-to-date information about the status of the printer, such as the ink cartridges, the printheads, the paper and the print jobs
- Displays warning and error messages, when appropriate, along with audio alerts to call attention to a warning or message
- Can be used to change the values of printer settings and thus change the operation of the printer. However, settings in the front panel are overridden by settings in the printer drivers, see *Using your printer*.



The front panel has the following components:

1. **Direct access** keys:
 - First key: View ink levels, see *Using your printer*
 - Second key: View loaded paper, see *Using your printer*
 - Third key: Unload paper, see [Unload a roll on page 13](#) and [Unload a single sheet on page 17](#)
 - Fourth key: Form feed and cut, see *Using your printer*
2. **Menu** key - Press to return to the main menu of the front-panel display. If you are already on the main menu it displays the status screen.
3. **OK** key - To confirm an action while in a procedure or interaction. To enter in a submenu in the menu. To select a value when given an option.
4. **Back** key - To go to the previous step in a procedure or interaction. To go to the upper level, or leave the option in the menu, or when given an option.
5. **Down** key - To go down in a menu or option, or to decrease a value, for example when configuring the front-panel display contrast or the IP address.

6. **Up** key - To go up in a menu or option, or to increase a value, for example when configuring the front-panel display contrast or the IP address.
7. **Cancel** key - To abort a procedure or interaction.
8. **Power** key - To turn the printer off or on, it also has a light to indicate the printer's status. If the power key light is off the device is off. If the power key light is blinking green, the device is starting up. If the power key light is green on, the device is on. If the power key light is amber on, the device is in standby. If the power key light is blinking amber, the device needs attention.
9. **LED** light - Indicates the printer's status. If the LED light is solid green, the device is ready. If it is flashing green, the device is busy. If it is solid amber, there is a system error. If it is flashing amber, the printer needs attention.
10. **Front-panel display** - Displays errors, warnings and information on using your printer.

To **highlight** an item in the front-panel display, press the **Up** or **Down** key until the item is highlighted.

To **select** an item in the front-panel display, first highlight it and then press the **OK** key.

When this guide shows a series of front-panel display items like this: **Item1 > Item2 > Item3**, it means that you should select **Item1**, then select **Item2**, then select **Item3**.

Information about specific uses of the front panel can be found throughout this guide.

Printer software


The following software is provided with your printer:


- The PCL3 raster printer driver
- The PostScript printer driver (Z3200ps only)
- The HP Printer Utility, see [Access the HP Printer Utility on page 6](#), allows you to:
 - Manage the printer including color with the HP Color Center
 - Manage the job queue (Z3200ps only), see *Using your printer*
 - View the status of the ink cartridges, the printheads and the paper
 - View job accounting information, see *Using your printer*
 - Update the printer's firmware, see [Update the firmware on page 27](#)
 - Access the HP Knowledge Center
 - Change various printer settings (in the Settings tab)
 - Perform calibrations and troubleshooting

- The Embedded Web Server runs in the printer and enables you to use a Web browser on any computer to check ink levels and printer status, see [Access the Embedded Web Server on page 6](#)
- The Advanced Profiling Solution included on a separate DVD, to be installed after other HP software (drivers and the HP Printer Utility)

2 Personalizing the printer

Turn printer on and off

 **TIP:** The printer can be left powered on without wasting energy. Leaving it on improves response time and overall system reliability. When the printer has not been used for a certain period of time (the default time is determined by Energy Star), it saves power by going into sleep mode. However, any interaction with the printer's front-panel display returns it to active mode, and it can resume printing immediately. To change the sleep mode time, see *Using your printer*.

 **NOTE:** In sleep mode, the printer performs maintenance service to the printheads from time to time. This avoids long preparation times after long idle periods. Therefore, it is strongly recommended to leave the printer powered on or in sleep mode to avoid wasting ink and time.

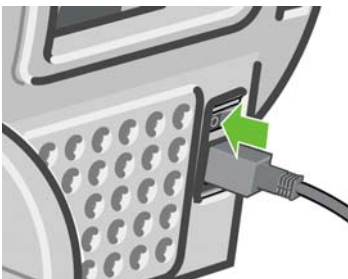
The printer has three levels of power consumption.

- Plugged in: the power cord is plugged into the back of the printer
- Switched on: the switch at the back of the printer is in the on position
- Powered on: the **Power** key on the front panel shows a green light

If you wish to turn the printer on or off or reset the printer, the normal and recommended method is to use the **Power** key on the front panel.



However, if you plan to store the printer indefinitely or the **Power** key does not seem to work, you are recommended to power it off using the **Power** key, and then also switch off the power switch at the rear.



To turn it back on, use the power switch at the rear.

When the printer is powered back on, it takes about three minutes to initialize and check and prepare the printheads. Preparing the printheads takes about one minute and 15 seconds. However, if the printer has been off for six weeks or more, preparing the printheads could take up to an hour.

Access the HP Printer Utility

The HP Printer Utility enables you to manage your printer from a computer with a USB connection or TCP/IP.

- Under Windows, start the the HP Printer Utility from your desktop shortcut or from **Start > All Programs > Hewlett-Packard > HP Printer Utility > HP Printer Utility**. This launches the HP Printer Utility showing the printers installed in the Printers and Faxes window.
- Under Mac OS, launch the HP Printer Utility from your dock shortcut or by selecting **STARTUP_DISK > Library > Printers > hp > Utilities > HP Printer Utility**. This launches the HP Printer Utility Printer Selector showing the printers installed in the Printer Setup Utility (Mac OS X 10.4) or **Print & Fax** (Mac OS X 10.5 or later).

Select your printer and click **Select**. This launches the HP Printer Utility.

If you have followed these instructions but failed to get through to the HP Printer Utility, see *Using your printer*.

Access the Embedded Web Server

The Embedded Web Server enables you to manage your printer remotely using an ordinary Web browser running on any computer.



NOTE: To use the Embedded Web Server, you must have a TCP/IP connection to your printer.


The following browsers are known to be compatible with the Embedded Web Server:

- Internet Explorer 6 or later for Windows
- Netscape Navigator 6.01 or later
- Mozilla 1.5 or later
- Mozilla Firefox 1.0 or later
- Safari 2 or later for Mac OS

To access the Embedded Web Server on any computer, open your Web browser and give the address of your printer. You can find out the address of your printer (starting with **http:**) from the front-panel display, by looking at the status screen.

Ready for paper

http://XXXXX11
http://192.168.1.1

Press  to enter
menu

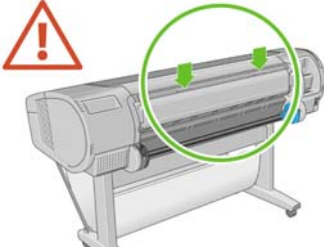


If you have followed these instructions but failed to get through to the Embedded Web Server, see *Using your printer*.

3 Paper handling

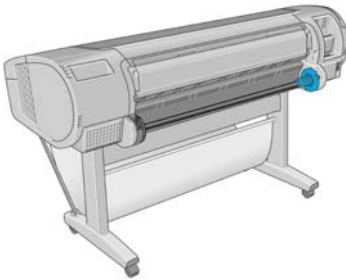
Load a roll onto the spindle

△ **CAUTION:** Ensure the sheet tray is closed.



1. Remove the right-hand end of the spindle from the printer, then the other end.

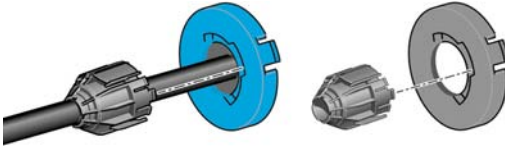
△ **WARNING!** Do not insert your fingers into the spindle supports during the removal process.




2. The spindle has a stop at each end to keep the roll in position. The blue stop can be removed to mount a new roll; it slides along the spindle to hold rolls of different widths. Remove the blue paper stop from the end of the spindle.




3. If your roll has a three-inch cardboard core, ensure that the core adaptors supplied with the printer have been installed.



4. If the roll is long, rest the spindle horizontally on a table and load the roll on the table.

 **TIP:** You may need two people to handle a large roll.

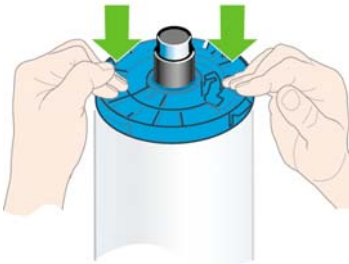
5. Slide the new roll onto the spindle. Make sure the paper type is oriented as shown. If it is not, remove the roll, turn it 180 degrees and slide it back on to the spindle. There are labels on the spindle showing the correct orientation.

 **NOTE:** From the back of the printer, the blue stop is fitted onto the right-hand end of the spindle.



Ensure both ends of the roll are as close to the spindle stops as possible.

6. Put the blue paper stop onto the open end of the spindle, and push it towards the end of the roll.



7. Ensure the blue paper stop is pushed in as far as it goes, until both ends are against the stops.

If you are a regular user of different paper types, you can change rolls more quickly if you preload rolls of different paper types on different spindles. Extra spindles are available for purchase, see [Accessories on page 29](#).

Load a roll into the printer

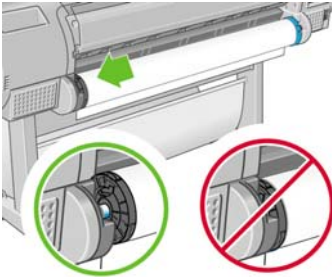
There are two ways to load a roll. The easy loading procedure is recommended.



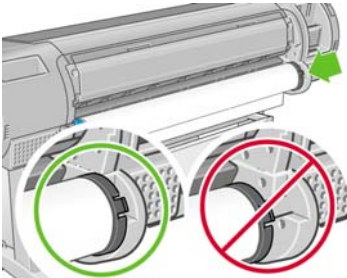
NOTE: To start these procedures you must have a roll loaded on the spindle. See [Load a roll onto the spindle on page 8](#).

Easy loading procedure

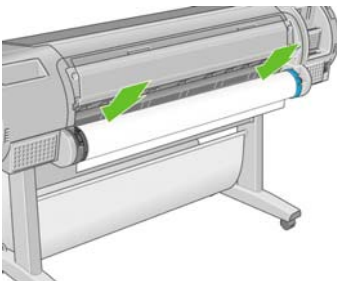
1. Standing behind the printer, rest the spindle's black end on the left side roll holder. Do not put the end completely into the roll holder.



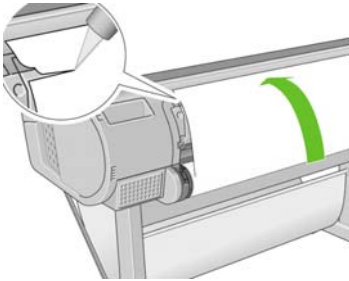
2. Rest the blue end of the spindle on the right side roll holder.



3. With both hands, push the spindle into both roll holders at the same time. The spindle snaps into place.



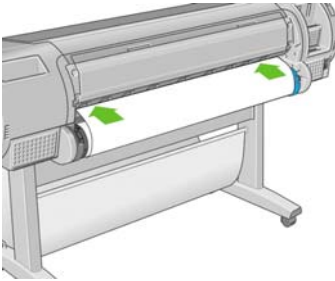
4. If the edge of the roll is torn (sometimes due to tape used to hold the end of the roll) or not straight, pull the paper slightly beyond the cutting groove and use a cutter to cut a straight edge.



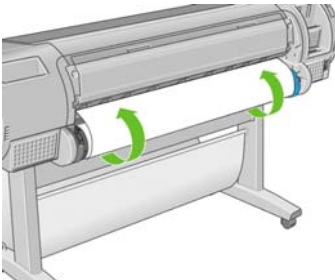
💡 **TIP:** Cut the paper as straight as possible, as uneven paper does not load correctly.

5. Insert the edge of the paper into the feeder.

⚠ **CAUTION:** Do not push your fingers inside the printer's paper path.



6. Roll the spindle into the feeder until you feel resistance. The printer detects the paper and feeds it automatically into the printer.



7. Once the paper is fed into the printer, the front-panel display asks if you are loading a roll or a sheet. Select **Roll** with the **Up** and **Down** keys and press **OK**.

8. Select your paper category and type.

Select paper category

Bond and Coated Paper


Photo Paper

Proofing Paper

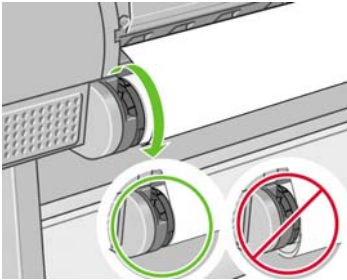
Fine Art Material


Film


Technical Paper

 **TIP:** If you have loaded a paper type whose name does not appear in the paper list, see *Using your printer*.

9. The printer checks the alignment and measures the width. It cuts a strip off the leading edge of glossy or satin paper to ensure perfect quality; other paper types are not cut.
10. Look at the front panel; you may find some instructions there.
11. When the roll is aligned, the front panel displays the **Ready** message and the printer is ready to print. If the roll is not aligned, follow the instructions on the front-panel display.
12. If the paper is loose on the roll, lightly rewind from the end of the spindle until tight.



 **NOTE:** If you have an unexpected issue at any stage of the paper loading process, see *Using your printer*.

 **TIP:** When prints fall into the basket, they can be torn or marked by ink from other prints. To avoid this, catch your prints as they are cut from the roll and do not stack prints in the basket. Alternatively, turn off the automatic cutter, see *Using your printer*, and use the **Form feed and cut** key to release your print.

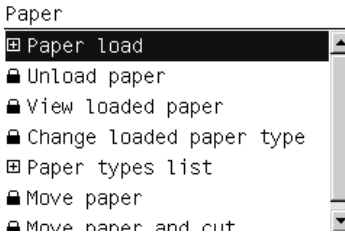
Paper menu procedure

As an alternative you can use the paper menu to start the paper loading process.

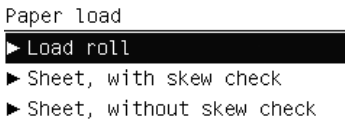
1. Follow steps one through five of the [Easy loading procedure on page 10](#).
2. Press the **Menu** key to return to the main menu, select the Paper menu icon



3. Select **Paper load**.




4. Select **Load roll**.



5. Continue with step 9 of the easy loading process (see [Select your paper category and type on page 12](#)).

Unload a roll

Before unloading a roll, check whether there is paper on the roll or whether the end of the paper is no longer attached to the roll, and follow the appropriate procedure as described below.

 **TIP:** Do not touch the paper while the printer is printing, as this can cause print quality defects.

Unload paper key procedure with paper on the roll

If there is paper on the roll, use the following procedure.

1. Press the **Unload paper** key on the front panel.
2. When prompted by the front-panel display, lift the blue lever on the left.
3. When prompted by the front-panel display, lightly rewind the paper from the end of the spindle until removed from the printer.
4. When prompted by the front-panel display, lower the blue lever.

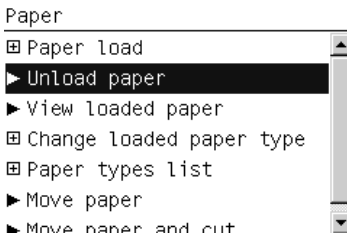
Paper menu procedure with paper on the roll

If there is paper on the roll, you can also start the process from the paper menu in the front panel's main menu.

1. Press the **Menu** key to return to the main menu, select the Paper menu icon



2. Select **Unload paper**.



3. Continue from step two of the **Unload paper** key process.

Roll out of paper procedure

If the end of the paper is no longer attached to the roll, use the following procedure.

1. If you have already started the unload process, press the **Cancel** key on the front panel to cancel that procedure.
2. Lift the blue lever on the left. If the front panel displays a warning about the lever, ignore it.
3. Pull out the paper from the printer. Pull from wherever the paper is accessible; the back of the printer is recommended.
4. Lower the blue lever.
5. If the front panel displays a warning message, press the **OK** key to clear it.

Load a single sheet

There are two ways to load a sheet. The easy loading procedure is recommended.

Any loaded roll or sheet must be unloaded before loading a sheet, see [Unload a roll on page 13](#) or [Unload a single sheet on page 17](#).



NOTE: For sheets thicker than 0.5mm, you must have space behind the printer equal to the length of the sheet.

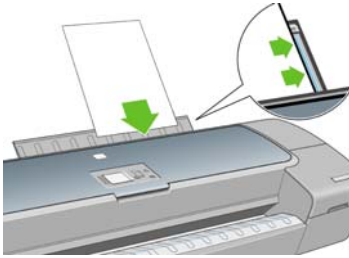
Easy loading procedure

1. Standing in front of the printer, open the sheet tray.




TIP: If the tray is difficult to open, try opening from behind the printer.

2. Insert the sheet into the feeder. Load your sheet aligned with the load line and insert until the paper cannot continue, with thicker sheets you feel resistance. The printer detects the sheet in three seconds. A countdown begins on the front-panel display.



△ **CAUTION:** Do not push your fingers inside the printer's paper path.

3. After the countdown, the paper feeds into the printer. Guide the sheet into the printer; this is especially important with thicker papers.
4. The front-panel display asks whether you are loading a roll, a sheet with skew check, or a sheet without skew check. Select **Sheet, with skew check** or **Sheet, without skew check** with the **Up** and **Down** keys.

 **NOTE:** The recommended option is **Sheet, with skew check**.

NOTE: If you load without a skew check, print previews may not work properly. See [Preview a print on page 22](#).

5. Select your paper category and type.

Select paper category

Bond and Coated Paper


Photo Paper

Proofing Paper

Fine Art Material

Film

Technical Paper

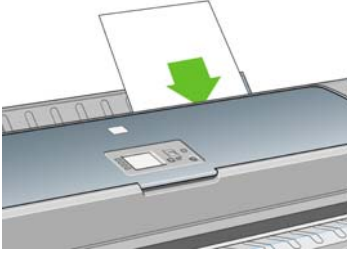
 **TIP:** If you have loaded a paper type whose name does not appear in the paper list, see *Using your printer*.

6. If you selected **Sheet** in the **Paper Load** menu, the printer checks the alignment and measures the sheet.



NOTE: Depending on the length of the sheet, it feeds out the front of the printer.

If you selected **Sheet, without skew check**, you will need to align the sheet manually.



7. If the paper has been loaded successfully, the front panel displays the **Ready** message and the printer ready to print. If the paper is not straight, follow the instructions on the front-panel display.



NOTE: When correctly loaded, the sheet is in the back of the printer.

NOTE: If you have an unexpected problem at any stage of the paper loading process, see *Using your printer*.

Paper menu procedure

As an alternative you can use the paper menu to start the paper loading process

1. Perform step one of the easy loading procedure.
2. Press the **Menu** key to return to the main menu and select the Paper menu

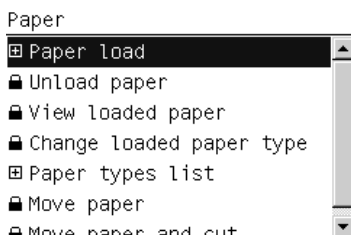
icon 

Main Menu

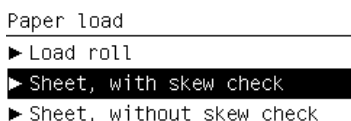


 Paper

3. Select **Paper load**.



4. Select **Sheet, with skew check** or **Sheet, without skew check**.



NOTE: The recommended option is **Sheet, with skew check**.

NOTE: If you load without a skew check, print previews may not work properly. See [Preview a print on page 22](#).

5. Continue with step 5 of the easy loading procedure (see [Select your paper category and type on page 15](#)).

Unload a single sheet

To unload a sheet without printing, use the **Unload paper** key or the paper menu procedure.

To unload a single sheet after printing, you can simply pull the sheet free from the front of the printer.



TIP: Do not touch the paper while the printer is printing, as this can cause print quality defects.

Unload paper key procedure

1. Press the **Unload paper** key on the front panel.
2. The sheet unloads out the front of the printer, either catch it manually or allow it to fall into the basket.

Paper menu procedure

You can also unload a sheet from the paper menu.

1. Press the **Menu** key to return to the main menu and select the Paper menu

icon 

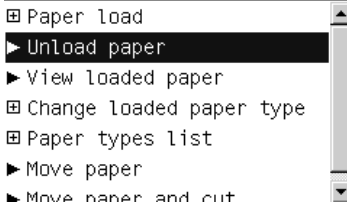
Main Menu



 Paper

2. Select **Unload paper**. The sheet unloads out of the front of the printer, either catch it manually or allow it to fall into the basket.

Paper



4 Printing

Select print quality

The printer has various print-quality options because best-quality printing requires some loss of speed, while fast printing implies some reduction in print quality.


Therefore, the standard print-quality selector is a slider that allows you to choose between quality and speed.

Alternatively, you can select from the custom options: **Best**, **Normal** and **Fast**. There are also three supplementary custom options that may have an effect on print quality: **Maximum detail**, **More passes** and **Gloss enhancer**. See *Using your printer*.



NOTE: In the Windows driver dialog, the rendering and printing resolutions for your job are displayed in the **Paper/Quality** tab. In the Mac OS Print dialog, they are displayed in the **Summary** panel.

You can select print-quality options in the following ways:

- **In the Windows driver dialog:** go to the **Paper/Quality** tab and look at the Print Quality section. If you select **Standard Options**, you will see a simple slider with which you can select speed or quality. If you select **Custom Options**, you will see the more specific options described above.
- **In the Mac OS Print dialog (PostScript driver):** go to the **Image Quality** panel. If you select **Standard** quality options, you will see a simple slider with which you can select speed or quality. If you select **Custom** quality options, you will see the more specific options described above.
- **In the Mac OS Print dialog (PCL3 driver):** go to the **Paper Type/Quality** panel and select **Paper**. If you select **Standard** quality options, you will see a simple slider with which you can select speed or quality. If you select **Custom** quality options, you will see the more specific options described above.
- **On the Embedded Web Server's Submit Job page (Z3200ps only):** select **Basic settings > Print quality**. If you then select **Standard options**, you can choose between **Speed** and **Quality**. If you select **Custom options**, you will see the more specific options described above.
- **Using the front panel:** select the Setup menu icon , then **Printing preferences > Print quality**.



NOTE: If you have set the print quality from your computer, that overrides the print-quality setting in the front panel.




NOTE: You cannot change the print quality of pages that the printer is already receiving or has already received (even if they have not started to print yet).

Select paper size

The paper size can be specified in the following ways.



NOTE: The paper size specified here should be the paper size in which the document was created. It is possible to rescale the document to a different size for printing. See *Using your printer*.

- **In the Windows driver dialog:** select the **Paper/Quality** tab, then select your paper size from the Document Size list.
- **In the Mac OS Page Setup dialog:** select your printer in the **Format for** popup menu, then **Paper Size**.
- **On the Embedded Web Server's Submit Job page (Z3200ps only):** select **Advanced settings > Paper > Page size > Standard**.
- **Using the front panel:** select the Setup menu icon , then **Printing preferences > Paper > Select paper size**.



NOTE: If you have set the paper size from your computer, that overrides the paper size setting in the front panel.

Custom paper sizes

To choose a non-standard paper size not shown in the list of paper sizes:


- **Under Windows**, there are three different ways:
 - In the driver dialog, press the **Custom** button in the **Paper/Quality** tab, then specify the name and the dimensions of your new paper size, then click **Save** to save your new paper size. In the PostScript driver, to see your new custom size in the list of custom sizes, you need to exit the printer properties, then reenter them (and use the **More** button if necessary).
- **NOTE:** The driver will not allow you to create a paper size whose width exceeds its length.
- From the **Start** menu, select **Printers and Faxes**, then from the **File** menu select **Server Properties**. In the **Forms** tab, check the **Create a new form** box, specify the name and dimensions of the new form, then click **Save Form**.
- The PostScript driver (Z3200ps only) offers a special way of defining a custom paper size for the current session only. Select the **Advanced** tab, then **Paper/Output > Paper Size**. Select **PostScript Custom Page Size** from the paper size list, then specify the paper dimensions, then

click **OK** to save the new dimensions of the PostScript Custom Page Size, which appears in the list of custom sizes available in the **Paper/Quality** tab. Your new page size is saved until you exit your current application, after which the PostScript Custom Page Size remains in the list but reverts to its default dimensions.


- **In the Mac OS Page Setup dialog:** select **Paper Size > Manage Custom Sizes**.
- **On the Embedded Web Server's Submit Job page (Z3200ps only):** select **Advanced settings > Paper > Page size > Custom**.

Select margins options

By default, the printer leaves a 5 mm margin between the edges of your image and the edges of the paper (17 mm at the foot of a sheet of paper). However, you can change this behavior in several ways.

- **In the Windows driver dialog:** select the **Paper/Quality** tab and then the **Margins/Layout** button.
-
-  **TIP:** In the Windows PostScript driver, make sure you have made the right choice from the **Document size** list. You should select a 'no margins' document size if you intend to use the **Oversize**, **Clip Contents By Margins** or **Borderless** options.
-
- **In the Mac OS Print dialog (PostScript driver):** select the **Finishing** panel and then **Layout**.
 - **In the Mac OS Print dialog (PCL3 driver):** select the **Paper Type/Quality** panel and then **Layout**.
 - **On the Embedded Web Server's Submit Job page (Z3200ps only):** select **Advanced settings > Paper > Layout/Margins**.

You will then see at least some of the following options.

 **NOTE:** Under Mac OS, the available margins options depend on the paper size selected in the Page Setup dialog. For instance, for borderless printing you must select a paper size name that includes the words "no margins".

- **Standard.** Your image will be printed on a page of the size you have selected, with a narrow margin between the edges of the image and the edges of the paper. The image should be small enough to fit between the margins.
- **Oversize.** Your image will be printed on a page slightly larger than the size you have selected. If you cut off the margins, you will be left with a page of the size you selected, with no margins remaining between your image and the edges of the paper.
- **Clip Contents By Margins.** Use this option when your image has white borders and a size equal to that of the paper you have selected. The printer

will use the white border for its margins and you will get a page of size equal to that which is selected in the driver.

- **Borderless.** Your image will be printed on a page of the size you have selected, with no margins. The image is slightly enlarged to ensure that no margin is left between the edges of the image and the edges of the paper. If you select **Automatically by Printer**, this enlargement is done automatically. If you select **Manually in Application**, you should ensure that the image size in your application is slightly larger than the paper size. See also *Using your printer*.

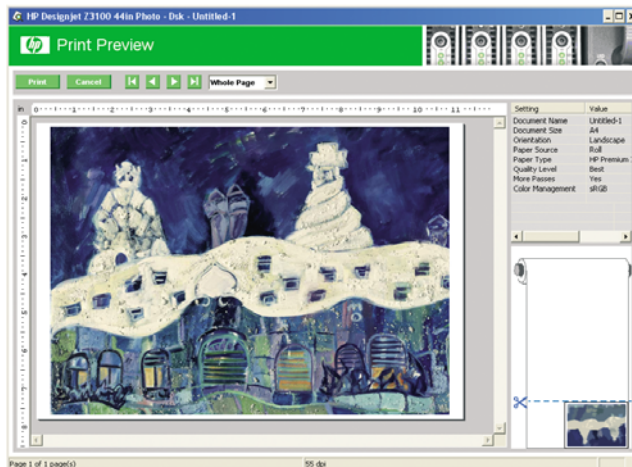
Preview a print

Previewing a print on the screen allows you to check the layout of the print before printing, which may help you to avoid wasting paper and ink on a bad print.

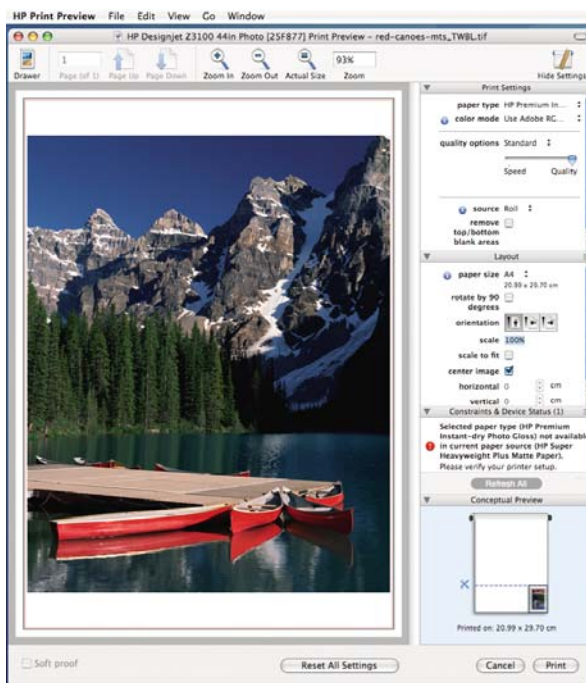


NOTE: If you load sheet paper without a skew check, the printer does not measure the length of the sheet, so the print preview will not be a reliable guide to the final printout.

- To preview a print under Windows, you have the following options:
 - Use your application's print preview option.
 - Check the **Show preview before printing** option, which you can find in the driver's **Printing Shortcuts** tab, **Paper/Quality** tab and **Features** tab. The preview is shown before printing; you can check the print settings and the layout of the image, and then click **Print** to proceed with printing or **Cancel** to cancel the job.



- To preview a print under Mac OS, you have the following options:
 - Use your application's print preview option.
 - Click the **Preview** button at the bottom of the Print dialog box. This is the basic print preview provided by Mac OS.
 - If you are using the PostScript driver, check the **Show print preview** option, which you can find in the driver's **Printing** dialog, in the **Finishing** panel.
 - If you are using the PCL3 driver, click the **PDF** button at the bottom of the Print dialog box, then click **HP Print Preview**. This provides a preview with more features, such as the ability to change paper size, paper type and print quality, and to rotate the image. See below:



NOTE: HP Print Preview is not available if you are using Adobe InDesign, Adobe Illustrator, Adobe Reader or Apple Aperture.

- To preview a print using the Embedded Web Server (Z3200ps only), select **Basic settings > Hold for preview**.

5 Color management

Color calibration

Color calibration enables your printer to produce consistent colors with the particular printheads, inks and paper type that you are using, and under your particular environmental conditions. After color calibration, you can expect to get identical prints from any two different printers situated in different geographical locations.

Calibration should be done in any of the following circumstances:


- Whenever a printhead is replaced
- Whenever a new paper type is introduced that has not yet been calibrated with the current set of printheads
- Whenever a certain amount of printing has been done since the last calibration
- Whenever the printer has been turned off for a long period of time
- Whenever the environmental conditions (temperature and humidity) change significantly

The printer driver usually reminds you with an alert whenever you need to perform color calibration, unless you have disabled the alerts. However, there will be no alert if the environmental conditions change.

You should calibrate a paper type before creating its color profile; however, you can later recalibrate without needing to recreate the color profile.

You can turn off color calibration from the front panel: select the Image Quality



Maintenance menu icon , then set **Enable color calibration** to **OFF**. In this case, the printer will use a default calibration set in the factory for all paper types. If you later turn color calibration back on, it will still remember any calibrations that you performed earlier.

Check calibration status

You can check the color calibration status of the currently loaded paper at any time by pressing the **View loaded paper** key on the front panel. The status may be one of the following:

- **PENDING:** the paper has not been calibrated.




NOTE: Whenever you update the printer's firmware, the color calibration status of all papers is reset to PENDING. See [Update the firmware on page 27](#).

- **OBSOLETE:** the paper has been calibrated, but the calibration is now out of date for one of the reasons mentioned above, and should be repeated.
- **OK:** the paper has been calibrated, and the calibration is up to date.
- **N/A:** this paper cannot be calibrated. The following paper types cannot be calibrated: plain paper, transparent materials, and textured glossy paper (such as HP Collector Satin Canvas). They can, however, be profiled.

Calibrate

You can start color calibration in the following ways:

- From the printer driver alert that recommends calibration.
- From the HP Color Center: select **Paper Preset Management > Calibrate Paper**.
- From the front panel: select the Image Quality Maintenance menu icon , then **Calibrate color**.


The calibration process is fully automatic and can be performed unattended after you have loaded paper of the type you wish to calibrate—which should be A4, Letter or any larger size.


The process takes about 8–10 minutes and consists of the following steps.

1. A calibration test chart is printed, which contains patches of each ink used in your printer.



2. The chart is allowed to dry for a period of time that depends on the paper type, so that the colors have time to stabilize.
3. The chart is scanned and measured using the HP Embedded Spectrophotometer.
4. From the measurements made by the spectrophotometer, the printer calculates the necessary correction factors to apply for consistent color printing on that paper type. It also calculates the maximum amount of each ink that can be applied to the paper.

 **TIP:** If color calibration fails, check whether a color is missing from the chart. A missing color may be caused by a printhead problem: see *Using your printer*.

 **NOTE:** Matte black is not used on glossy or satin papers, so that column of the chart is not printed when calibrating those paper types.

6 Maintaining the printer

Clean the exterior of the printer

Clean the outside of the printer and all other parts of the printer that you regularly touch as part of normal operation with a damp sponge or a soft cloth and a mild household cleaner such as non-abrasive liquid soap.

⚠ **WARNING!** To avoid an electric shock, make sure that the printer is turned off and unplugged before you clean it. Do not let water get inside the printer.

⚠ **CAUTION:** Do not use abrasive cleaners on the printer.

Maintain the ink cartridges

During the normal lifetime of a cartridge, no specific maintenance is required. However, in order to maintain the best print quality, replace a cartridge when it reaches its expiration date. The printer's front panel notifies you when any cartridge reaches its expiration date.

You can also check a cartridge's expiration date at any time: see *Using your printer*.

Update the firmware

The printer's various functions are controlled by software that resides in the printer, otherwise known as firmware.

From time to time firmware updates will be available from Hewlett-Packard. These updates increase the printer's functionality and enhance its features.

Firmware updates can be downloaded from the Internet and installed in your printer in the following ways; you can choose whichever you find most convenient.

- Using the HP Printer Utility for Windows, select your printer, the **Support** tab and then **Firmware Update**.
- Using the HP Printer Utility for Mac OS, select **Firmware Update** in the Support group.
- Using your printer's Embedded Web Server, select the **Setup** tab and then **Firmware update**.

In each case, follow the instructions on your screen to download the firmware file and store it on your hard disk. Then select the downloaded file and click **Update**.

If you experience very slow progress while uploading the firmware file to the printer, the reason could be that you are using a proxy server. In that case, try bypassing the proxy server and accessing the Embedded Web Server directly.

- In Internet Explorer 6 for Windows, go to **Tools > Internet Options > Connections > LAN Settings**, and check the **Bypass proxy server for local addresses** box. Alternatively, for more precise control, click the **Advanced** button and add the printer's IP address to the list of exceptions, for which the proxy server is not used.
- In Safari for Mac OS, go to **Safari > Preferences > Advanced** and click the **Proxies: Change Settings** button. Add the printer's IP address or its domain name to the list of exceptions, for which the proxy server is not used.

The firmware includes a set of the most commonly used paper presets. Extra paper presets can be downloaded separately; see *Using your printer*.

7 Accessories

How to order supplies and accessories

To order supplies or accessories for your printer, you can visit the appropriate Web site (see below) or contact your local dealer.

Order ink supplies

To order online, please visit <http://www.hp.com/go/z3200/supplies/> or <http://www.hp.com/go/z3200ps/supplies/>. The correct names and part numbers of the ink cartridges and printheads available for your printer are listed in *Using your printer*.

Order paper

The following paper categories are currently available for use with your printer.

- Photographic Paper
- Proofing Paper
- Fine Art Printing Material
- Bond and Coated Paper
- Technical Paper
- Film (Technical and Graphic)
- Backlit Material
- Self-Adhesive Material
- Banner and Sign Material
- Fabric/Textile Material

Specific paper types are likely to change over the course of time. For the latest information and to order online, see <http://www.hp.com/go/z3200/supplies/> or <http://www.hp.com/go/z3200ps/supplies/>.

Non-recommended paper types

In many cases, paper types that HP does not support may nevertheless be compatible with your printer. However, the following paper types are unlikely to give satisfactory results:

- Photo paper that swells
- Brochure paper

Order accessories

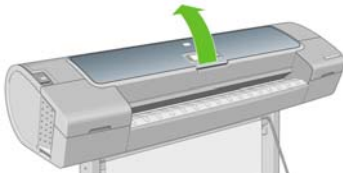
To order online, please visit <http://www.hp.com/go/z3200/accessories/> or <http://www.hp.com/go/z3200ps/accessories/>. The correct names and part numbers of the accessories available for your printer are listed in *Using your printer*.

8 Troubleshooting paper issues

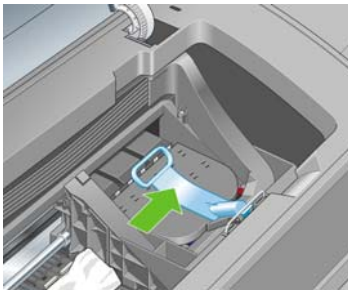
The paper has jammed

When a paper jam occurs, you normally see the **Possible paper jam** message in the front-panel display.

1. Power off the printer at the front panel and also switch it off at the rear.
2. Open the window.



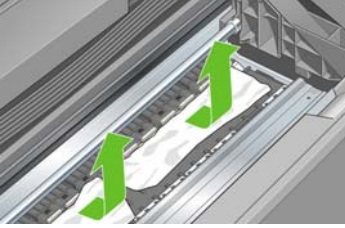
3. Try to move the printhead carriage out of the way.



4. Lift the blue lever as far up as it goes.



5. Carefully remove any of the jammed paper that you can lift up and out from the top of the printer.

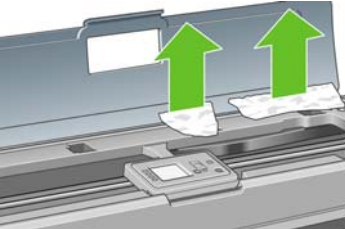


6. Standing behind the printer, rewind the roll or pull the cut sheet from the printer. If you cannot see the paper, return to the front of the printer and remove it from the output tray.

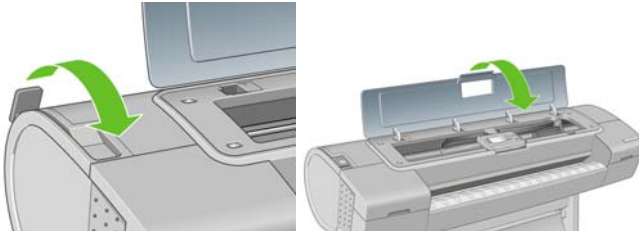
△ **CAUTION:** Do not move the paper sideways, as it could damage the printer.



7. Carefully remove all small pieces of paper.



8. Lower the blue lever and close the transparent window.



9. Switch on the printer.
10. Reload the roll, or load a new sheet. See [Load a roll into the printer on page 10](#) or [Load a single sheet on page 14](#).



NOTE: If you find that there is still some paper causing an obstruction within the printer, restart the procedure and carefully remove all pieces of paper.

9 Troubleshooting print-quality issues

General advice

When you have any print-quality problem:

- To achieve the best performance from your printer, use only genuine manufacturer's supplies and accessories, whose reliability and performance have been thoroughly tested to give trouble-free performance and best-quality prints. For details of recommended papers, see [Order paper on page 29](#).
 - Make sure that the paper type selected in the front panel is the same as the paper type loaded into the printer. To check this, use the [View loaded paper](#) key on the front panel. At the same time, check that the paper type has been calibrated. Also make sure that the paper type selected in your software is the same as the paper type loaded into the printer.
-
- △ **CAUTION:** If you have the wrong paper type selected, you could experience poor print quality and incorrect colors, and perhaps even damage to the printheads.
-
- Check that you are using the most appropriate print-quality settings for your purposes (see [Printing on page 19](#)). You are likely to see lower print quality if you have moved the print-quality slider to the 'Speed' end of the scale, or set the custom quality level to **Fast**.
 - Check that your environmental conditions (temperature, humidity) are in the recommended range. See *Using your printer*.
 - Check that your ink cartridges and printheads have not passed their expiration dates: see [Maintain the ink cartridges on page 27](#).
 - Avoid touching the paper while printing is in progress.

Horizontal lines across the image (banding)

If your printed image suffers from added horizontal lines as shown (the color may vary):



1. Check that the paper type you have loaded corresponds to the paper type selected in the front panel and in your software. To check on the front panel, use the **View loaded paper** key.
2. Check that you are using appropriate print-quality settings for your purposes (see [Printing on page 19](#)). In some cases, you can overcome a print-quality problem merely by selecting a higher print-quality level. For instance, if you have set the Print Quality slider to **Speed**, try setting it to **Quality**; if you have already set it to **Quality**, try selecting custom options and then **More Passes**. If you change the print-quality settings, you may wish to reprint your job at this point in case the problem has been solved.
3. Print the Image Diagnostics Print. See *Using your printer*.
4. If the printheads are working correctly, go to the front panel and press the **View loaded paper** key to see the paper advance calibration status. If the status is RECOMMENDED, you should perform paper advance calibration: see *Using your printer*.

If the problem persists despite all the above actions, contact your customer service representative for further support.

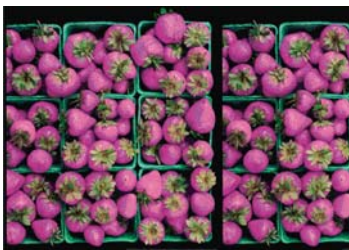
The whole image is blurry or grainy



1. Check that the paper type you have loaded corresponds to the paper type selected in the front panel and in your software. To check on the front panel, use the **View loaded paper** key.
2. Check that you are printing on the correct side of the paper.
3. Check that you are using appropriate print-quality settings (see [Printing on page 19](#)). In some cases, you can overcome a print-quality problem merely by selecting a higher print-quality level. For instance, if you have set the Print Quality slider to **Speed**, try setting it to **Quality**; if you have already set it to **Quality**, try selecting custom options and then **More Passes**. If you change the print-quality settings, you may wish to reprint your job at this point in case the problem has been solved.
4. If you are using gloss enhancer, you can reduce grain by turning off or reducing the amount of gloss enhancer; see *Using your printer*. This can reduce the gloss quality of the image; if you notice any problem, see *Using your printer*.
5. Try aligning the printheads. See *Using your printer*. After alignment, you may wish to reprint your job in case the problem has been solved.
6. Go to the front panel and press the **View loaded paper** key to see the paper advance calibration status. If the status is RECOMMENDED, you should perform paper advance calibration: see *Using your printer*.

If the problem persists despite all the above actions, contact your customer service representative for further support.

Colors are inaccurate



If the colors of your print do not match your expectations, try the following:

1. Check that the paper type you have loaded corresponds to the paper type selected in the front panel and in your software. To check on the front panel, use the [View loaded paper](#) key. At the same time, check the color calibration status. If the status is PENDING or OBSOLETE, you should perform color calibration: see [Color calibration on page 24](#). If you have made any changes, you may wish to reprint your job in case the problem has been solved.
2. Check that you are printing on the correct side of the paper.
3. Check that you are using appropriate print-quality settings (see [Printing on page 19](#)). If you have selected the **Speed** or **Fast** options, you may not get the most accurate colors. If you change the print-quality settings, you may wish to reprint your job at this point in case the problem has been solved.
4. If you are using application-managed colors, check that the color profile you are using corresponds to the selected paper type. If you have doubts about which color settings to use, see [Color management on page 24](#). If you need to create a color profile, see *Using your printer*.
5. If you select application-managed colors in your application and printer-managed colors in the printer driver, your results will be wrong. You should manage colors in the application or in the printer, but not in both.
6. If the problem consists of color differences between your print and your monitor, please follow the instructions in the “How to calibrate your monitor” section of the HP Color Center. At this point, you may wish to reprint your job in case the problem has been solved.
7. Print the Image Diagnostics Print. See *Using your printer*.

If the problem persists despite all the above actions, contact your customer service representative for further support.

Color accuracy using EPS or PDF images in page layout applications

Page layout applications such as Adobe InDesign and QuarkXPress do not support color management of EPS, PDF or grayscale files.

If you have to use such files, try to ensure that the EPS, PDF or grayscale images are already in the same color space that you intend to use later on in Adobe InDesign or QuarkXPress. For instance, if your final goal is to print the job in a press that follows the SWOP standard, convert the image into SWOP when you create it.

The image is clipped

Clipping normally indicates a discrepancy between the actual printable area on the loaded paper and the printable area as understood by your software. You can often identify this kind of problem before printing by previewing your print (see [Preview a print on page 22](#)).

- Check the actual printable area for the paper size you have loaded.
printable area = paper size – margins
- Check what your software understands to be the printable area (which it may call "printing area" or "imageable area"). For example, some software applications assume standard printable areas that are larger than those used in this printer.
- If you have defined a custom page size with very narrow margins, the printer may impose its own minimal margins, clipping your image slightly. You may want to consider using a larger paper size, or borderless printing (see [Select margins options on page 21](#)).
- If your image contains its own margins, you may be able to print it successfully by using the **Clip Contents by Margins** option (see [Select margins options on page 21](#)).
- If you are trying to print a very long image on a roll, check that your software is capable of printing an image of that size.
- You may have asked to rotate the page from portrait to landscape on a paper size that is not wide enough.
- If necessary, reduce the size of the image or document in your software application, so it fits between the margins.

There is another possible explanation for a clipped image. Some applications, such as Adobe Photoshop, Adobe Illustrator and CorelDRAW, use an internal 16-bit coordinate system which means that they cannot handle an image of more than 32,768 pixels.



NOTE: An image 32,768 pixels long would print at a length of 54.61 in or 1.39 m if you select Best or Quality in the driver, 109.23 in or 2.78 m if you select Fast, Normal or Speed in the driver.

If you try to print an image larger than this from these applications, the bottom of the image may be clipped. To print the whole image, try these suggestions:

- Try using the PostScript printer driver (Z3200ps only) to print your job, if you have not already tried it.
- The Windows PCL3 driver dialog includes an option called **Max. application resolution**, which enables you to print successfully in this situation. You will not normally need to change the default setting, which is **Auto**. However, you can find the option in the **Advanced** tab, under **Document Options > Printer Features**.
- Save the file in another format, such as TIFF or EPS, and open it with another application.
- Use a RIP to print the file.

10 Front-panel error messages

Occasionally you may see one of the following messages appear on the front-panel display. If so, please follow the advice in the Recommendation column.

If you see an error message that does not appear here, and you feel in doubt about the correct response, contact HP Support. See [Contact HP Support on page 43](#).

Table 10-1 Text messages

Message	Recommendation
[Color] cartridge has expired	Replace the cartridge. See <i>Using your printer</i> .
[Color] cartridge is missing	Insert a cartridge of the correct color. See <i>Using your printer</i> .
[Color] cartridge is out of ink	Replace the cartridge. See <i>Using your printer</i> .
[Color] printhead #[n] error: not present	Insert the correct printhead. See <i>Using your printer</i> .
[Color] printhead #[n] error: please remove	Remove the incorrect printhead and insert a new printhead of the correct type (color and number). See <i>Using your printer</i> .
[Color] printhead #[n] error: replace	Remove the non-functional printhead and insert a new printhead. See <i>Using your printer</i> .
[Color] printhead #[n] error: reset	Remove and reinsert the same printhead, or try cleaning the electrical connections. If necessary, insert a new printhead. See <i>Using your printer</i> .
[Color] printhead #[n] out of warranty	The printhead's warranty has ended, because of the length of time it has been in operation or because of the volume of ink used. See <i>Legal Information</i> .
[Color] printhead #[n] warranty warning	The printhead's warranty may be invalidated by the use of the wrong kind of ink. See <i>Legal Information</i> .

Table 10-1 Text messages (continued)

Message	Recommendation
IO error	Restart the printer. If the problem persists, contact HP Support. See Contact HP Support on page 43 .
IO warning	Try again; if the problem persists, contact HP Support. See Contact HP Support on page 43 .
Paper advance calibration pending	Perform paper advance calibration. See <i>Using your printer</i> .
Paper too small to print paper advance calibration	Unload paper and load larger paper.
Paper too small to scan paper advance calibration	Unload paper and load larger paper.
Printhead alignment error: paper too small	Unload paper and load larger paper.
Replace [color] cartridge	Replace the cartridge. See <i>Using your printer</i> .
Reseat [color] cartridge	Remove and reinsert the same cartridge. See <i>Using your printer</i> .
Update: failed. Invalid file	Make sure that you have selected the correct firmware update file. Then try again to perform the update.

Table 10-2 Numerical error codes

Error code	Recommendation
52:01	The printer needs internal cleaning. See <i>Using your printer</i> . If the problem persists, contact HP Support. See Contact HP Support on page 43 .
61:01	The file format is wrong and the printer cannot process the job. Check the graphic language setting of your printer (see <i>Using your printer</i>). If you are sending PostScript from Mac OS over a USB connection, select ASCII encoding in both the driver and the application. Check for the latest firmware and driver releases.
62, 63, 64, 65, 67	Check that the printer cables are well connected and the USB cable is of good quality. Try again to print the same file. Make sure you are using the correct driver for your printer. Update your printer's firmware. See Update the firmware on page 27 .

Table 10-2 Numerical error codes (continued)

Error code	Recommendation
74.1	Try the firmware update again. If possible, try to update over a network if the USB update failed. Do not try to use your computer while the update is in progress. If the problem persists, contact HP Support. See Contact HP Support on page 43 .
75	A printer maintenance kit is required. See <i>Using your printer</i> .
78	You may be trying to print borderless on a paper type that does not support it. See <i>Using your printer</i> .
79	Restart the printer. If the problem persists, update your printer's firmware. See Update the firmware on page 27 . If the problem still persists, contact HP Support. See Contact HP Support on page 43 .
81, 86, 87	There may be a paper jam. See The paper has jammed on page 31 . If the problem persists, contact HP Support. See Contact HP Support on page 43 .
94, 94.1	Restart color calibration. See Color calibration on page 24 .
98	There may be a printhead problem. See <i>Using your printer</i> .
any other codes	Restart the printer. If the problem persists, contact HP Support. See Contact HP Support on page 43 .

11 HP Customer Care

Introduction

HP Customer Care offers award-winning support to ensure you get the most from your HP Designjet, providing comprehensive, proven support expertise and new technologies to give you unique end-to-end support. Services include setup and installation, troubleshooting tools, warranty upgrades, repair and exchange services, phone and Web support, software updates and self-maintenance services. To find out more about HP Customer Care, please visit us at:


<http://www.hp.com/go/graphic-arts/>

or call us on the telephone (see [Contact HP Support on page 43](#)). To register your warranty:

<http://register.hp.com/>

Contact HP Support

HP Support is available to you by telephone. What to do before you call:

- Review the troubleshooting suggestions in this guide.
- Review the relevant driver documentation.
- If you have installed third-party software drivers and RIPs, see their documentation.
- If you call one of the Hewlett-Packard offices, please have the following information available to help us answer your questions more quickly:
 - The printer you are using (the product number and the serial number, found on the label at the back of the printer)
 - If there is an error code on the front panel, note it down; see [Front-panel error messages on page 40](#)
 - The printer's Service ID: at the front panel, select the Information menu icon , then **View printer information**
 - The computer you are using
 - Any special equipment or software you are using (for example, spoolers, networks, switch-boxes, modems or special software drivers)
 - The cable you are using (by part number) and where you purchased it
 - The type of interface used on your printer (USB or network)

- The software name and version you are currently using
- If possible, print out the following reports; you may be asked to fax them to the support center helping you: Configuration, Usage Report and “all pages above” from Service Information (see *Using your printer*)

Telephone number

Your HP Support telephone number is available on the Web: please visit http://welcome.hp.com/country/us/en/wwcontact_us.html.

12 Legal information

Hewlett-Packard Limited Warranty Statement

HP product	Limited Warranty Period
Printer and related HP hardware	1 year (from the date of purchase by the customer)
Software	90 days (from the date of purchase by the customer)
Printhead	Until the “end of warranty” date printed on the product is reached, or 1000 cm ³ of HP ink have been cycled through the printhead, whichever occurs first
Ink cartridge	Until the genuine HP ink is depleted as indicated by the printer, or the “end of warranty” date printed on the product is reached, whichever occurs first

A. Extent of HP Limited Warranty

1. HP warrants to you, the end-user customer, that the HP hardware products specified above will be free from defects in materials and workmanship during the Limited Warranty Period specified above. The Limited Warranty Period starts on the date of purchase. Your dated sales or delivery receipt, showing the date of purchase of the product, is your proof of purchase date. You may be required to provide proof of purchase as a condition of receiving warranty service.
2. For software products, HP’s Limited Warranty applies only to a failure to execute programming instructions during the Limited Warranty Period specified above.
3. HP does not warrant that the operation of any product will be uninterrupted or error free.
4. HP’s Limited Warranty covers only those defects that arise as a result of normal use of the HP products, and does not cover any other problems, including those that arise as a result of:
 - a. Improper or inadequate maintenance or modification
 - b. Software, interfacing, media, parts, or supplies not provided or supported by HP

- c. Operation outside the product's specifications
- d. Unauthorized modification or misuse

Routine printer maintenance operations in the HP Designjet Z3200 Photo Printer series, such as cleaning and preventive maintenance services (including parts contained in any preventive maintenance kit and HP service engineer visits), are not covered by HP's Limited Warranty.

- 5. HP IS NOT RESPONSIBLE FOR DAMAGE TO OR LOSS OF ANY FILES, STORED ON THE HP PRINTER'S HARD DISK OR OTHER STORAGE DEVICES. HP IS NOT RESPONSIBLE FOR THE RECOVERY OF LOST FILES OR DATA.
- 6. For HP printer products, the use of a refilled or non-original HP consumable product (ink, printhead or ink cartridge) does not affect either HP's Limited Warranty to you or any HP support contract with you. However, if printer failure or damage is attributable to the use of a non-HP or refilled ink cartridge, HP will charge its standard time and materials charges to service the printer for the particular failure or damage.
- 7. If HP receives, during the applicable warranty period, notice of a defect in any product that is covered by this Limited Warranty:
 - a. HP shall replace any defective HP software, media, or consumable product that is covered by this Limited Warranty, and deliver another product to you to replace the defective one.
 - b. HP, at its sole discretion, shall either repair on site or replace any defective hardware product or component part. If HP elects to replace any component part, HP will provide to you (i) a replacement part, in return for the defective one, and (ii) remote part installation assistance, if needed.
- 8. If HP is unable to repair or replace, as applicable, a defective product that is covered by this Limited Warranty, HP shall, within a reasonable time after being notified of the defect, refund the purchase price of the product.
- 9. HP shall have no obligation to replace or refund until you return the defective components, parts, consumables, media and hardware products to HP. All components, parts, consumables, media or hardware products removed under this Limited Warranty become the property of HP. Notwithstanding the above mentioned, HP may waive the requirement for you to return the defective component, part, consumable, media or hardware product.
- 10. Unless otherwise stated, and to the extent permitted by local law, HP products may be manufactured using new materials or new and used materials equivalent to new in performance and reliability. HP may repair or replace products (i) with equivalent products to the products being repaired or replaced

but which may have been subject to prior use; or (ii) with an equivalent product to an original product that has been discontinued.

11. This Limited Warranty is valid in any country/region where HP or its authorized service providers offer warranty service and HP has marketed the HP product covered by this Limited Warranty. However, warranty service availability and response time may vary from country/region to country/region. HP will not alter form, fit, or function of the product to make it operate in a country in which it was never intended to function for legal or regulatory reasons.
12. Contracts for additional services may be available for any authorized HP service facility where the listed HP product is distributed by HP or an authorized importer.

B. Limitations of warranty

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TO THE EXTENT ALLOWED BY LOCAL LAW, EXCEPT FOR THE OBLIGATIONS SPECIFICALLY SET FORTH IN THIS LIMITED WARRANTY, IN NO EVENT SHALL HP OR ITS THIRD PARTY SUPPLIERS BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING ANY LOSS OF PROFITS OR SAVINGS), WHETHER BASED ON CONTRACT, TORT, OR ANY OTHER LEGAL THEORY AND WHETHER ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

D. Local law

1. This Limited Warranty gives you specific legal rights. You may also have other rights which vary from state to state in the United States, from province to province in Canada, and from country to country elsewhere in the world. You are advised to consult applicable state, province, or national laws for full determination of your rights.
2. To the extent that this Warranty Statement is inconsistent with local law, this Warranty Statement shall be deemed modified to be consistent with such local law. THE WARRANTY TERMS CONTAINED IN THIS LIMITED WARRANTY, EXCEPT TO THE EXTENT LAWFULLY PERMITTED, DO NOT EXCLUDE, RESTRICT, OR MODIFY AND ARE IN ADDITION TO THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE SALE OF THIS PRODUCT TO YOU.

Revision: April 11th, 2006

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Open source software

Open source acknowledgments

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Regulatory notices

MSDS (Material Safety Data Sheet)

You can obtain current Material Safety Data Sheets for the ink systems used in the printer by mailing a request to this address: Hewlett-Packard Customer Information Center, 19310 Pruneridge Avenue, Dept. MSDS, Cupertino, CA 95014, U.S.A.

There is also a Web page: http://www.hp.com/hpinfo/community/environment/productinfo/psis_inkjet.htm

Regulatory Model Number

For regulatory identification purposes, your product is assigned a Regulatory Model Number. The Regulatory Model Number for your product is BCLAA-0608. This regulatory number should not be confused with the marketing name (such as HP Designjet printer) or product numbers (such as Z####X, where Z and X are any single letter and # is any number).

Regulatory statements

European Union

Ecological

Sound (Germany)

Geräuschemission (Germany) LpA < 70 dB, am Arbeitsplatz, im Normalbetrieb, nach DIN45635 T. 19.

Disposal of waste equipment by users in private households in the European Union



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

U.S.A.

Electromagnetic compatibility (EMC)

FCC statements (U.S.A.)

The U.S. Federal Communications Commission (in 47 cfr 15.105) has specified that the following notices be brought to the attention of users of this product.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Shielded cables: use of shielded data cables is required to comply with the Class B limits of Part 15 of the FCC Rules.

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- △ **CAUTION:** Pursuant to Part 15.21 of the FCC Rules, any changes or modifications to this equipment not expressly approved by the Hewlett-Packard Company may cause harmful interference and void the FCC authorization to operate this equipment.
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Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your dealer or an experienced radio/TV technician.

For further information, contact:

Manager of Corporate Product Regulations

Hewlett-Packard Company

3000 Hanover Street

Palo Alto, CA 94304

(650) 857-1501

Ecological

Information regarding Energy Star

To determine the ENERGY STAR® qualification status of this product, see <http://www.hp.com/go/energystar/>.

ENERGY STAR and the ENERGY STAR trademark are registered U.S. trademarks.

Attention California users

The battery supplied with this product may contain perchlorate material. Special handling may apply. See <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/> for information.

Atención a los usuarios de California

La pila proporcionada con este producto puede contener perclorato. Podría requerir manipulación especial.

Consulte <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/> para obtener más información.

Canada

Electromagnetic compatibility (EMC)

Normes de sécurité (Canada)

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada.

DOC statement (Canada)

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Korea

사용자 안내문 : A 급 기기

이 기기는 업무용으로 전자파적합등록을 받은 기기이오니, 판매자 또는 사용자는 이 점을 주의 하시기 바라며, 만약 잘못 구입 하셨을 때에는 구입한 곳에서 비업무용으로 교환 하시기 바랍니다.

Japan

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取扱説明書に従って正しい取り扱いをして下さい。

Safety power cord warning

製品には、同梱された電源コードをお使い下さい。
同梱された電源コードは、他の製品では使用出来ません。

Taiwan

警告使用者：這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

Ecological

This HP product contains a lithium battery located on an internal motherboard that may require special handling at the end of its life.

China

本设备符合中国无线电干扰技术标准信息技术设备B级发射限值要求。

Declaration of conformity

according to ISO/IEC 17050-1 and EN 17050-1

Declaration of conformity number: BCLAA-0608-05

Supplier's name: Hewlett-Packard Company

Supplier's address: Avenida Graells, 501
08174 Sant Cugat del Vallès
Barcelona, Spain

declares that the product

Product name and model:	HP Designjet Z3100/Z3200/Z2100 Photo printer series HP Designjet T1100 printer series HP Designjet T610 printer series
Regulatory Model Number ⁽¹⁾ :	BCLAA-0608
Product options:	All

conforms to the following product specifications

Safety:	IEC 60950-1:2001 / EN 60950-1:2001 CAN/CSA 60950-1-07 / UL 60950-1-2007
EMC:	CISPR 22:2005 / EN 55022:2006 Class B EN 55024:1998+A1:2001+A2:2003 EN 61000-3-2:2000 +A2:2005 / IEC 61000-3-2:2000 +A1:2001 +A2:2004 EN 61000-3-3:1995+A1:2001 / IEC 61000-3-3:1994 +A1:2001 FCC Title 47 CFR, Part 15 Class B

Additional information

The product herewith complies with the requirements of the Low-Voltage Directive 2006/95/EC and the EMC Directive 2004/108/EC, and carries the CE marking accordingly. In addition, it complies with the WEEE Directive 2002/96/EC and RoHS Directive 2002/95/EC.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Notes:

1. The product is assigned a Regulatory Model Number which stays with the regulatory aspect of the design. The Regulatory Model Number is the main product identifier in the regulatory documentation and test reports; this number should not be confused with the marketing name or the product numbers.



Vicenç Llorens
Product Regulations Manager
Sant Cugat del Vallès (Barcelona)
June 4th, 2008

Local contacts for regulatory topics only

EMEA contact: Hewlett-Packard GmbH, HQ-TRE, Herrenberger Strasse 140, 71034 Böblingen, Germany. <http://www.hp.com/go/certificates/>

USA contact: Hewlett-Packard Company, Corporate Product Regulations Manager, 3000 Hanover Street, Palo Alto, CA 94304, USA. Phone: (650) 857 1501.