

OKI[®]
People to People Technology™



OKIPAGE™ 18

DIGITAL LED PRINTER

**Quick
Start**



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Overview

Here are the steps you need to perform to complete the installation of your printer:

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- 2 Prepare the Image Drum, 10**
- 3 Install the Toner, 12**
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Notes on Using This Quick Start

Cautions, notes and cross reference information are set in bold italics and preceded by an exclamation mark. For example:

! *Be careful not to touch the shiny green surface on the image drum.*

General information which is not part of the steps required for installation is set off with grey. For example:

The paper tray gauge indicates the amount of paper left in Tray 1, eliminating the need to open the tray to check.

1 Unpack

Select a Suitable Location

- Firm, level surface
- Clearance to open the cover, paper tray, and rear paper exit extender
- Air circulation to prevent overheating (recommended minimum clearance of 4 inches in all directions)
- Nearby power source
- Room temperature of 50° to 90°F (10° to 32°C)
- Relative humidity of 20 to 80%
- No direct sunlight

Remove Contents

- 1 Remove the cardboard tray.

- ! *The printer weighs approximately 42 pounds: be careful when lifting it.*

- 2 Unpack the printer and place it on the surface you've selected.
- 3 Peel the protective film off the front panel.



- ! *Save the packing materials in case you need to ship the printer. For instructions, see Repacking the Printer in the User's Guide.*

Check the Contents



You should have:

1 Printer

2 Toner Cartridge

3 Power Cord

4 Driver/Software CD

5 Light-Shield Bag (*Keep this bag near the printer to protect the image drum in case you need to remove it from the printer or store it while shipping the printer.*)

6 Documentation

Anything missing? Contact your dealer.

You need to provide

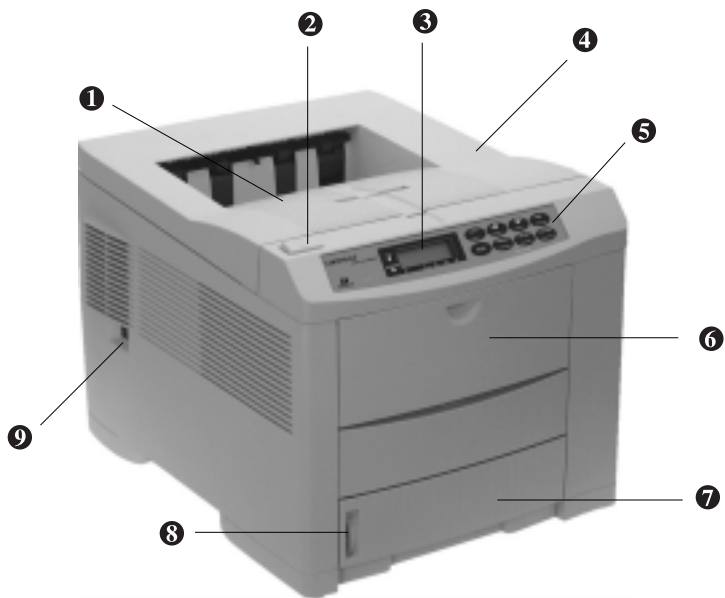
- Print Media
- Interface Cable (see “Connect to the Computer”)

Before You Continue...

Getting to Know Your Printer

Front View

- 1 Top exit path
- 2 OPEN button
- 3 Display
- 4 Cover
- 5 Control panel
- 6 Front feeder
- 7 Paper tray (Tray 1)
- 8 Paper gauge
- 9 ON/OFF switch



Rear View

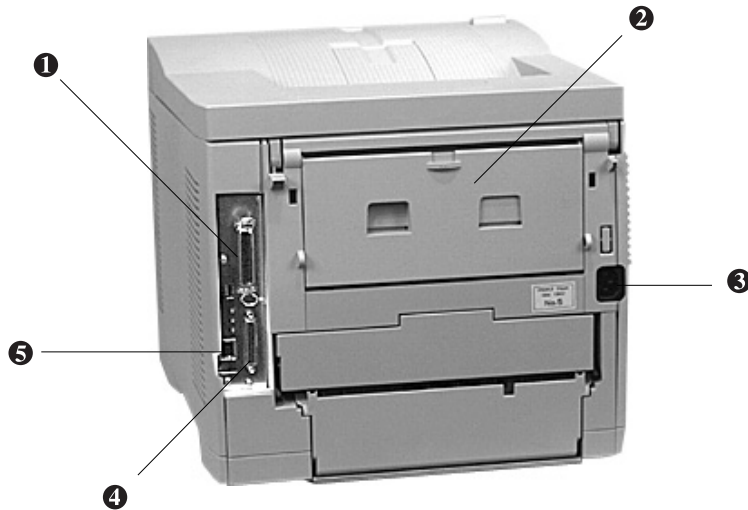
1 IEEE 1284 parallel port

2 Rear paper exit

3 Power cord socket

4 RS232-C serial port

5 Ethernet port (Model 18n only)



2 Prepare the Image Drum

1 Press.



2 Open the cover.



! *Be careful not to touch the shiny green surface on the*
● *image drum.*

3 Lift out the drum.



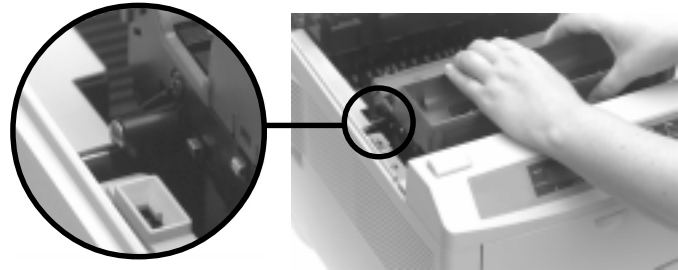
4 Remove the paper.



5 Remove and discard the tape and shipping insert.



6 Reinstall the drum.



3 Install the Toner

Prepare the Toner

1 Unpack.



2 Shake.



3 Remove the tape.



Install the Toner in the Printer

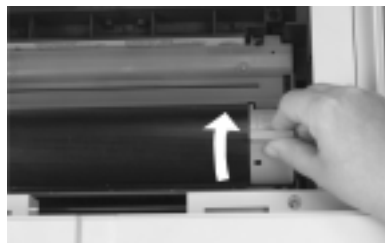
1 Insert the hollow in the left end over the tab (1).



2 Lower the right end.



3 Push the lever back *as far as it will go*.



4 Close the cover.



! *If you get toner on your clothing, brush it off with a dry cloth. Wash hands/clothing in cold water; hot water sets toner.*

4 Make Connections

Connect to Power

- 1 Attach the power cord.



- 2 Connect to a grounded outlet or power strip.



- ⚠ *If you are using a power strip, be sure the total amperage rating of the strip does not exceed the total amperage of the equipment plugged into it.*

Connect to the Computer: PC Systems

Parallel Port

Connection

- ! *For the best results, use a bi-directional parallel printer cable marked IEEE 1284-compliant.*

- 1 Printer and computer OFF.



- 2 Insert the connector, secure with the clips.



- 3 Connect to the computer; tighten the screws.

- ! *Be sure not to over-tighten the screws—this could damage the screw posts on your computer.*

- 4 Turn the printer and computer on.

Cable Requirements

- To comply with FCC regulations, the cable must be shielded with twisted pair conductors, and must be UL and CSA approved.
- Maximum length for standard bi-directional cable is 6 feet (1.8 meters). For lengths greater than 6 feet, use a cable marked IEEE 1284-compliant.
- Printer connector is IEEE 1284-B receptacle (36 pins, 0.085" center line).
- Port supports bi-directional IEEE 1284 communications (compatibility, nibble, and ECP modes).

Compatibility Modes

The printer's parallel port supports ECP mode and IEEE 1284 bi-directional mode. If your computer's parallel port is not compatible with one of these modes, the printer may not print at all or it may print corrupted data.

To correct for this:

- 1 Enter the printer's Maintenance menu and change the ECP setting to Disable (see **Changing the ECP Setting** under **Printer Menus** in the **Printer Control** section of the User's Guide).
- 2 If there is still a problem, enter the printer's Level-2 menu and change the Bi-Direction setting to Disable (see **Changing Parallel Interface Menu Settings** under **Printer Menus** in the **Printer Control** section of the User's Guide).

Parallel Interface Pin Assignments

For parallel interface pin assignments, see **Interface** in the **Specifications** section of the User's Guide.

Standard Parallel Interface Menu Settings

Parallel Speed = High

Bi-Direction = Enable

I-Prime = Off

ECP = Enable

- ! *To change the Parallel Speed, Bi-Direction or I-Prime settings, see **Changing Parallel Interface Menu Settings** under **Printer Menus** in the **Printer Control** section of the *User's Guide*. To change the ECP setting, see **Changing the ECP Setting** under **Printer Menus** in the **Printer Control** section of the *User's Guide*.*

Serial Port

Connection

- 1 Printer and computer OFF.



- 2 Insert the connector; secure with the screws.



- 3 Attach to the computer and tighten the screws.

! ***Be sure not to over-tighten the screws—this could damage the screw posts on your computer.***

- 4 Turn the printer and computer on.

! ***For Serial Interface pin assignments, see Interface in the Specifications section of the User's Guide.***

Cable Requirements

- Cable must be shielded with twisted pair conductors and must be UL and CSA approved.
- Maximum length for serial cable is 6 feet (1.8 meters).
- Printer connector is Type 17LE-13250-27 (D4CC) receptacle (25 pins).

Standard RS232-C Serial Menu Settings

Flow Control = DTR Hi

Baud Rate = 9600 Baud

Data Bits = 8 Bits

Parity = None

Min. Busy = 200 mSeconds

! ***To change any of these settings, see Printer Menus in the Printer Control section of the User's Guide.***

Ethernet® Port (Model 18n only)

Connection

- 1 Plug the RJ45 connector into the Ethernet connector on the OkiLAN board.



- 2 Connect the opposite end of the cable into the network.

Cable Requirements

The cable for connecting to the network must have two twisted wire pairs and an RJ45 plug.

! *See your OkiLAN documentation for more information.*



Connect to the Computer: Macintosh® Systems

Model 18n (Network Version)

Cable Requirements

To connect to a Macintosh system, you will need a crossover UTP cable with RJ45 connectors at either end.

Connection

- 1 Turn the printer and Macintosh OFF.
- 2 Attach one end of the cable to the Ethernet (RJ45) connector on the OkiLAN Print Server.



- 3 Insert the opposite end into the RJ45 port on the network card to which the Macintosh is connected.
- 4 Turn the printer and the Macintosh back on.

5 Load Paper

- ! *For detailed information on usable print media, see*
- **Print Media in the User's Guide.**

The Paper Tray (Tray 1)

The paper tray takes 530 sheets of 20-lb (75 g/m²) paper.

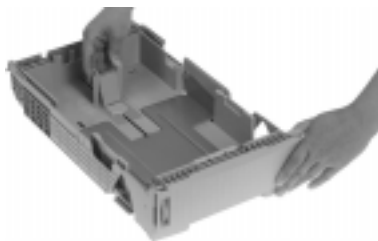
- ! *Print media (including ink on preprinted forms) must*
- *be able to withstand 392°F (200°C) for 0.1 second.*

Loading Paper

- 1 Pull out Tray 1.



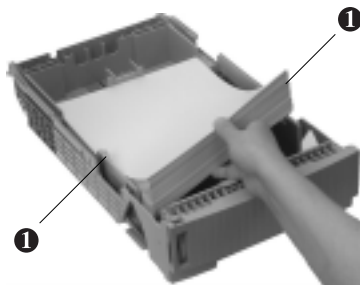
2 Adjust the guides to fit the paper.



3 Fan the paper.



4 Load Tray 1.



- ! *Make sure paper is below tabs (1) on either side.*
- *Do not fill above PAPER FULL marks.*

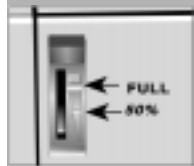


1

5 Reinsert the tray until it locks in place.



The Paper Tray Gauge



The paper tray gauge indicates the amount of paper left in Tray 1, eliminating the need to open the tray to check.

Selecting Paper Size & Media Type

Factory settings:

- Paper Size: automatically determined by position of paper tray guides
- Media Type: optimized for printing on 20-lb. (75 g/m²) paper

If you are consistently using another type of media in the paper tray, you can change the setting to match what you are using: see **Changing Media Type for Tray 1** under **Printer Menus** in the **Printer Control** section of the User's Guide.

The Front Feeder



- ! *Print media (including ink on preprinted forms) must be able to withstand 392°F (200°C) for 0.1 second.*

Use the Front Feeder for the following types of media:

- Standard paper
- Envelopes
- Labels
- Transparencies
- Card stock (up to 36 lb, 105 g/m²)

Printing Using the Front Feeder

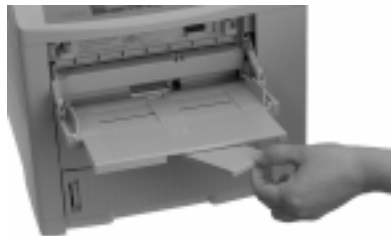
- 1 In your software program:
 - a Enter the printer setup menu.
 - b Select Front Feeder.
 - c Select the media type, size and orientation.
 - ! *When you are done printing using the Front Feeder, re-enter the printer driver and change the Paper Tray setting back to the previous setting (normally Tray 1).*
- 2 Lower the Front Feeder.



3 Flip out the tray.



4 Pivot out the extender.

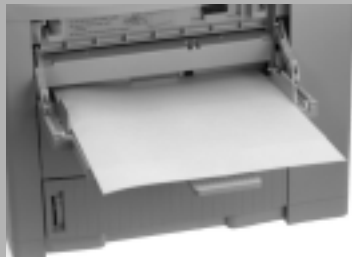


5 Adjust the paper width guides.



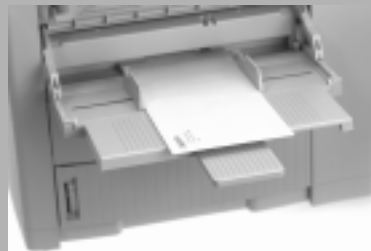
6 Load the print media.

Standard Paper



- Face up; insert letterhead with top edge nosed into printer.
- Use Top or Rear exit.

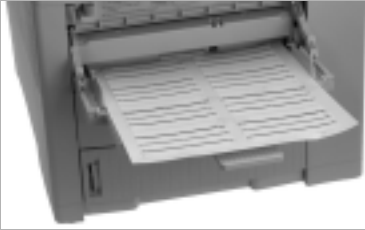
Envelopes



- Return address on lower left side; flap underneath
- Use Rear exit only.
- Use envelopes with squared-off flap, not v-flap:



Labels



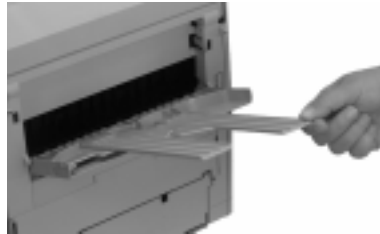
- Sheet face up
- Use Rear exit only.

Transparencies



- Side to be printed facing up
- Use Rear exit only.

- 7 For envelopes, labels, transparencies or card stock, lower the rear exit tray and pull out the extenders.



- 8 Send the print job.

- ! *The software application overrides the printer menu settings.*

Selecting Paper Size & Media Type

Factory settings:

- Paper Size: letter
- Media Type: optimized for printing on 20-lb. (75 g/m²) paper

If you consistently use another size paper or a different type of media in the front feeder, you can change the settings to match what you are using: see **Changing Paper Size and/or Media Type for the Front Feeder** under **Printer Menus** in the **Printer Control** section of the User's Guide.

Manual Feed Printing

The Front Feeder can also be used for manual feed: see *Loading Single Sheets* under *Front Feeder* in the *Print Media* section of the User's Guide.

Auto Switching

You can set the printer to automatically switch to other paper feed sources when the paper tray runs out of paper: see **Automatic Tray Switching** in the **Print Media** section of the User's Guide.

Paper Exit Paths

Top Exit

Used for routine printing.



- Pages feed face down into bin.
- Holds 250 sheets of 20-lb. (75 g/m²) paper.
- Pages stack in correct order.
- When the bin is full, **STACKER FULL REMOVE THE PAPER** appears on the display and printing stops until the stack is removed.

To use the top paper exit:

- 1 Lift the paper catcher and pull it toward the front of the printer until it stops.



- 2 Flip up the extender.



Rear Exit

Used for special types of print media, such as envelopes, labels, transparencies and card stock, to provide a straight-through path that eliminates curling, peeling, etc.



- Pages feed face up into the tray.
- Tray holds 100 sheets of 20-lb. (75 g/m²) paper.
- Pages stack in reverse order.
- To avoid paper jams, remove the paper when the tray is full.

To use the rear paper exit:

! *Do not open the rear exit tray while printing: a paper jam may occur.*

1 Pull the tray down.



2 Pivot out the extenders.



6 Print the Demo Page

- 1 Press **ON LINE**.
The printer goes off line.
- 2 Press and hold **FORM FEED/Print Demo** for several seconds, until PRINT DEMO PAGE appears on the display.
- 3 To print the demo page for the HP LaserJet PCL5e emulation, press **ENTER/Power Save**. To print the Demo page for one of the other emulations, press **▶/Reset** until the emulation you want appears on the second line of the display.
- 4 Press **ENTER/Power Save**.
The demo page prints.
- 5 Press **ON LINE**.
The printer goes back on line, ready to receive data.

7 Check the Settings

Select the Language for the Front Panel Display

The printer comes set for front panel display in English. To change it to another language:

- 1 Press **ON LINE**.
Printer goes off line.
- 2 Press and hold **MENU 1/Menu 2** until **PRINT MODE** appears on the display.
- 3 Press **MENU 1/Menu 2** repeatedly until **LANGUAGE** appears on the display.
- 4 Press **ENTER**.
- 5 Press **▶/Reset** repeatedly until the language you want appears on the display.
- 6 Press **ENTER**.
An asterisk appears next to the language.
- 7 Press **ON LINE**.
The printer saves the new setting and exits the menu.

Set the Power Save Delay & Quiet Mode

The Power Save Delay and Quiet Mode settings save energy and provide quieter operation when the printer is not printing. However, when these settings are engaged and a print job is received, the printer must warm up before printing.

- ! *For more information, see **Adjusting the Warm-up Cycle under Printer Menus in the Printer Control section of the User's Guide.***

Factory settings: Power Save Delay = 5 minutes, Quiet Mode = ON.

- ! *For the fastest possible time to print, set the Power Save Delay to disabled and the Quiet Mode to OFF.*

To change these settings:

- 1 Press **ON LINE**.
The printer goes off line.
- 2 Press and hold **MENU 1/Menu 2** for 2 seconds.
PRINT MODE appears on the display.
- ! *If you are not changing the Power Save Delay setting, skip to step 7.*
- 3 Press **MENU 1/Menu 2** repeatedly until **POWER SAVING** appears on the display.
- 4 Press **ENTER/Power Save**.
The current Power Save Delay setting appears on the display.
- 5 Press **►/Reset** repeatedly until the setting you want appears on the display (0 SEC, 1, 5, 10, 15, 30, 60 or 120 MIN, or disabled).
- 6 Press **ENTER/Power Save**.
An asterisk appears next to the new setting.

- ! *If you are not changing the Quiet Mode setting, skip to step 11.*

- 7 Press **MENU 1/Menu 2** repeatedly until **QUIET MODE** appears on the display.
- 8 Press **ENTER/Power Save**.
The current Quiet Mode setting appears on the display.
- 9 Press **►/Reset** to change the setting (ON or OFF).
- 10 Press **ENTER/Power Save**.
An asterisk appears next to the new setting.
- 11 Press **ON LINE**.
The printer saves the new setting(s) and exits the menu

Set the Emulation

The printer comes from the factory set to automatically switch emulations, depending on what it detects in the incoming data.

If you prefer, you can set the printer for a specific emulation (HP® LaserJet® 5 PCL5e®, HP LaserJet 5 PCLXL, Adobe® PostScript® Level 2, IBM® Proprinter® III XL, or Epson® FX). For information on how to do this, see **Select an Emulation** under **Printer Menus** in the **Printer Control** section of the User's Guide.

Print the Font Page

If you wish to print out a typeface list showing samples of the resident fonts available for the various emulations:

- 1 Press **ON LINE**.
The printer goes off line.
- 2 Press and hold **TRAY TYPE/Print Fonts** until **PRINT FONTS** appears on the display.
- 3 Press **▶/Reset** until the emulation for which you wish to print the font samples appears on the second line of the display.
- 4 Press **ENTER/Power Save**.
The typeface list for the selected emulation prints.
- 5 Press **ON LINE**.
The printer goes back on line, ready to receive data.

8 Install the Driver & Software

The OKIPAGE 18 CD



Available Choices for PC Systems

Drivers

- OKIPAGE 18 Driver (HP LaserJet 5 PCL5e emulation)
- OKIPAGE 18 PCL-XL Driver (HP LaserJet 5 PCLXL emulation)
- Adobe PostScript Level 2 Driver

On-Line Registration (English only)

For registering your printer online or by fax.

Available Choices for Macintosh Systems

Adobe PostScript Level 2 Driver

Required to use all the printer features.

No CD-ROM Drive?

See the end of this Quick Start.

Installation for PC Systems

Available Installations

Typical

Select Typical to install the OKIPAGE 18 driver (PCL5e) and the on-line Registration Program (English only).

Custom

Select Custom if you wish to select the components to be installed. You will be allowed to pick from a listing of all available components: make sure a check mark () appears in the box beside any component you wish to install.

Available Registration Options

You can register your printer in any of the following ways:

- on-line at the Okidata web site: <http://www.okidata.com>
- via modem, using the on-line registration program (English only)
- via fax (314-827-5421), using the on-line registration program (English only) to fill in and print out the registration form, or using the printed registration form provided with the printer
- via mail, using the printed registration form provided with the printer

Installation for Windows® 95, 98, NT 4.0

! *These instructions assume that D is your CD-ROM drive.*

- 1 Insert CD in CD-ROM drive.
- 2 Click **Start** on the Windows taskbar, then select **Run**.
- 3 Type **D:\install.exe**.
- 4 Click **OK**.
- 5 Wait for the **OKI Menu Installer Setup** window to appear.
- 6 Click **Typical** or **Custom**, depending on which components you wish to install.
- 7 Follow the on-screen instructions to complete the installation.
- 8 Print a test page:
 - a Click **Start** on the Windows taskbar, then select **Settings** → **Printers**.
 - b Click the OKIPAGE 18 printer icon with the right mouse button, then select **Properties**.
 - c Click **Print Test Page** on the **General** tab.

Running the Electronic Registration Program

- 1 Click **Start** on the Windows taskbar.
- 2 Choose **Programs** → **OKIPAGE 18**.
- 3 **From the submenu, click OKIPAGE 18 On-Line Registration.**
- 4 Follow the on-screen instructions.

Installation for Windows 3.1x

! *These instructions assume that D is your CD-ROM drive.*

- 1 Insert CD in CD-ROM drive.
- 2 Click **File** → **Run**.
- 3 Type **D:\install.exe**.
- 4 Click **OK**.
- 5 Wait for the **OKI Menu Installer Setup** window to appear.
- 6 Click **Typical** or **Custom**, depending on which components you wish to install.
- 7 Follow the on-screen instructions to complete the installation.
- 8 Print a test page: open Windows Notepad, type in a few words, then print the document.

Running the Electronic Registration Program

- 1 Double-click the **OKIPAGE 18** program group from the **Program Manager**.
- 2 Double-click the **OKIPAGE 18 On-Line Registration** icon.
- 3 Follow the on-screen instructions.

Installation for Macintosh Systems

Installing the Adobe PostScript Level 2 Driver

- 1 Insert the OKIPAGE 18 CD into your CD-ROM drive.
- 2 Double-click the OKI icon (OKI24v200) that appears on the desktop.
- 3 Double-click the **MAC** folder.
- 4 Double-click the **PSDRV** folder.
- 5 Double-click the appropriate language folder.
- 6 Click the **Okipage18 PS Installer** icon.
The AdobePS screen appears.
- 7 Click **Continue**.
The License Agreement appears.
- 8 If you agree to the terms, select **Accept**.
The Okipage18 PS Installer screen appears.
- 9 Double-click **Install**.
The installation begins.
- 10 When prompted, click **Restart** to complete the installation.

Selecting the Printer

- 1 Activate the **Chooser** from the Apple menu.
The Chooser screen appears.
- 2 Locate and select the **AdobePS** icon.
- 3 Highlight the OKI printer from the printer list, and click **Setup**.
The PostScript Printer Description (PPD) setup screen appears.
- 4 Click **Auto Setup** to have the Adobe Printer Driver configure your printer automatically.
OR
Click **Select PPD** to select a PPD file manually.
- 5 Follow the instructions on your screen to complete the process.

Uninstalling the Software

For information on uninstalling the software, see **Uninstalling the Printer Software** in the User's Guide.

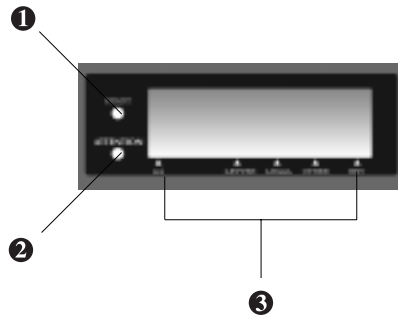
Front Panel Summary



! For more information, see **Control Panel under Printer Control in the User's Guide.**

LED Display

- 1 READY light:** *on* = ready to receive data; *blinking* = receiving/printing data; *off* = offline, warming up
- 2 ATTENTION light:** *On* = toner low, or drum or fuser needs replacing; *blinking* = toner cartridge empty; *off* = normal state.
- 3 Paper Size Indicators:** light indicates which paper size is loaded in Tray 1



Buttons



Press: Enters the Level-1 menu. Once in the menu, press to move to the next menu item or hold to cycle backwards through the menu items.

Press and hold 2-3 sec: Enters the Level-2 menu.



Press: In menu mode, returns to the previous item. Press and hold to move backwards through items within a category. Used with **▶/Reset** to generate a drum cleaning page.

Press and hold 2-3 sec: Clears error condition and returns the printer on-line.



Press: In the menu mode, advances to the next item. Used with **◀/Recover** to generate a drum cleaning page.

Press and hold 2-3 sec: Deletes the data in the buffer and executes an internal reset.



Press: In the menu mode, sets the displayed item as the user default.

Press and hold 2-3 sec: Enters the Power Save quick menu.



Press: Switches the printer back and forth between the receive data mode (online) and the local function mode (offline).



Press: Enters the Paper Size quick menu.

Press and hold 2-3 sec: Prints a listing of the current and default menu settings.



Press: Enters the Tray Select quick menu.

Press and hold 2-3 sec: Prints a sample of the installed printer fonts.



Press: Ejects the current page. Any data held in the buffer is printed.

Press and hold 2-3 sec: Prints the Demo page.

Need Support or Service?

- Visit our multilingual web site at **<http://www.okidata.com>**
- Contact your local Okidata dealer.
In the U.S. and Canada only: to locate a sales or service dealer in your area, you can call 1-800-OKIDATA (1-800-654-3282) 24 hours a day, 7 days a week.
- *U.S. and Canada only:* call 1-800-OKIDATA (1-800-654-3282). Both automated support and support personnel are available 24 hours a day, 7 days a week.
- *U.S. and Canada only:* use the Okidata Faxable Facts automated document retrieval system by calling 1-800-654-6651, 24 hours a day, 7 days a week. Request a catalog or a document and enter your fax number. Your information is faxed back to you in minutes.

No CD-ROM Drive?

The printer software is supplied on a CD. If you do not have a CD-ROM drive, there are several options available to you:

- Visit the Okidata web site at <http://www.okidata.com> and download the driver(s) of your choice
- Find someone who has a CD-ROM drive and make a set of diskettes using the **Create Diskettes** utility on the CD (these instructions assume D is your CD-ROM drive):
 - 1 Insert the OKIPAGE 18 CD in the CD-ROM drive.
 - 2 *Windows 95/98/NT 4.0:* Click **Start** on the Windows taskbar, then select **Run**.
Windows 3.1x: Click **File**, then select **Run**.
 - 3 Type **D:\install.exe** and click **OK**.
 - 4 Wait for the **OKI Menu Installer Setup** window to appear.
 - 5 Click **Help, Support and Information**.
 - 6 Click **Create Diskettes** and follow the on-screen instructions.
- Request a set of diskettes: in the U.S. or Canada, call 1-888-232-8350; in Brazil, call 55-11-5589-1518; in Latin America, call (525) 661-6860. Order the appropriate part number:

OKIPAGE 18 Driver (PCL5e)

<i>Operating System</i>	<i>Order #</i>
Windows 95/98	10518/0399
Windows 3.1x	10519/0399

Adobe PostScript Level 2 Driver

<i>Operating System</i>	<i>Order #</i>
Macintosh	10520/0399