LN17 and LN17ps Printers

Setting Up Guide

Order Number: EK–LN17P–IN. A01

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Maynard, Massachusetts

Notice   Specifications described in this publication are subject to change without notice. Use of some features may be limited by your hardware or software configuration. Contact your dealer or Digital for details.

Setting Up the LN17 or LN17ps Printer

Overview

Overview

Setting up your Digital LN17 or LN17ps High Performance Network Printer is quite easy. It will likely take 10 to 30 minutes, depending on which printer options you install. Follow all instructions in this guide to complete printer setup.

This book is for use with both the Digital LN17 and LN17ps High Performance Network Printers. The LN17ps printer contains all the components of the LN17 printer, plus the following options:

• Adobe PostScript Level 2

• 4 MB additional memory

• DNIC-E'NET (Digital Network Interface Card for Ethernet)

As this guide serves both printers, the LN17ps printer will hereafter be referred to as the LN17 printer.

Getting to Know the Printer

First, familiarize yourself with the major components identified in Figure 1, below. Then continue with *"Selecting a Printer Location"* (page 4).

Figure 1   Major printer components

Front View

A   Control Panel Display

B   Control Panel Keypad

C   Recessed Grip

D   Power Switch

E   Standard Output Tray

F   Front Cover

G   Front Tray
(Multi-sheet
Bypass Tray)

H   Main Tray
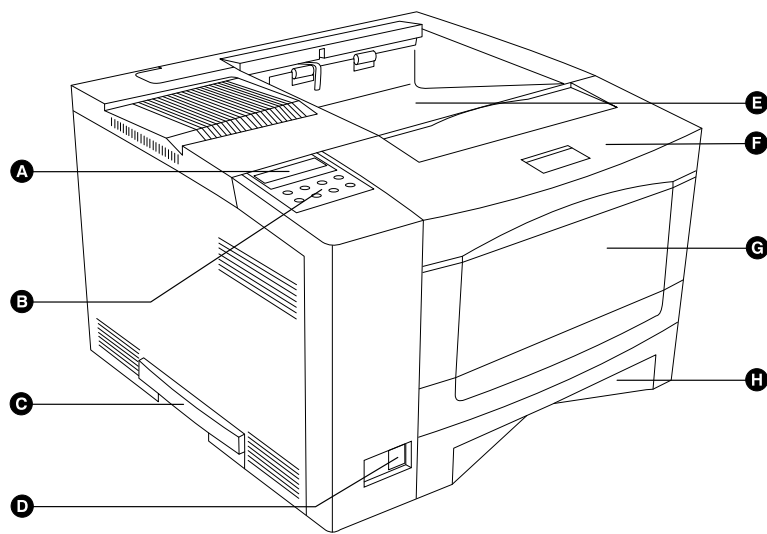
Rear View

A   Option Interface Cover

B   Rear Cover

C   Reserved

D   Power Inlet

E   Network Ports (Options)

F   Parallel Port

G   Controller Assembly

L
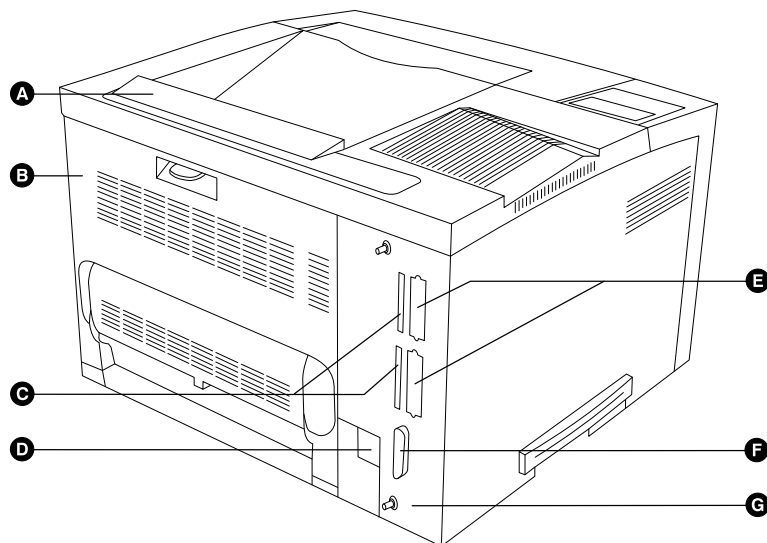
Selecting a Printer Location

Select a printer location that meets the minimum air space requirements shown in Figure 2. Set the printer on a flat, stable surface away from direct sunlight and electrical interference.

Figure 2   Minimum air space requirements around the printer

Top View

A   50 mm (2 in.)

B   508 mm (20 in.)

C   50 mm (2 in.)

D   305 mm (12 in.)

⚠️ *Do not block the fan at the top rear left corner (E).*
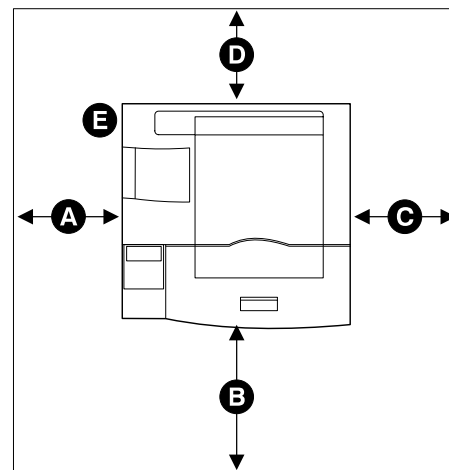
In selecting a location for the printer, you should also consider the following:

• Is the Control Panel accessible for viewing and use?

• Is there enough clearance above the printer to replace consumables?

• Is there enough clearance above the printer to add paper handling options?

  The 500-sheet Paper Deck adds 120 mm (4.8 in.) to the height of the printer; the Offset Catch Tray adds 130 mm (5.2 in.); the Mailbox adds 370 mm (14.6 in.).

• Is there enough clearance around the printer should it ever require servicing? (If not, you may need to relocate the printer for servicing.)

Assembling the Printer

Assembling the printer is easily accomplished in just a few steps:

- Install the EP (electronic printing) cartridge,
- Load the Main Tray paper cassette with paper and insert it into the printer, and
- Connect the power cord.

Follow the instructions below to assemble the printer.

⚠ Caution

Do not expose the EP cartridge to direct sunlight or artificial light for more than 15 minutes. Overexposure will permanently damage the photosensitive imaging drum.

Do not open the drum shutter or touch the green imaging drum.

Complete the EP cartridge installation within 15 minutes of removing the cartridge from its package.

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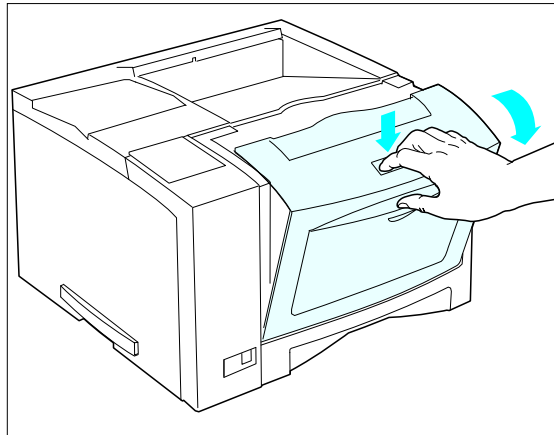
1 **Open the front cover by pressing the button on top of the cover.**
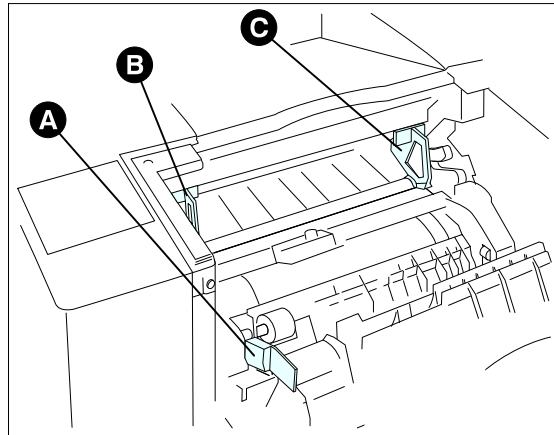
2 **Remove the plastic packing retainers (A, B and C).**

A s s e m b l i n g   t h e   P r i n t e r
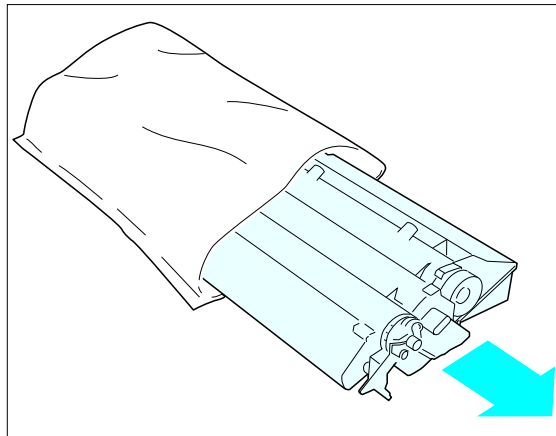
3 **Remove the EP cartridge from its wrapper.**
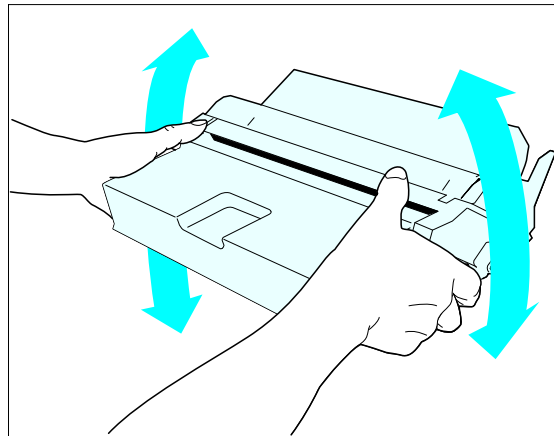
4 **Shake the EP cartridge several times to evenly distribute the toner.**
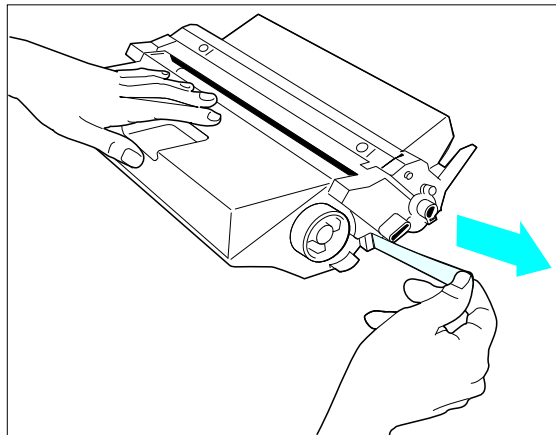
5 **Remove the tape strip.**
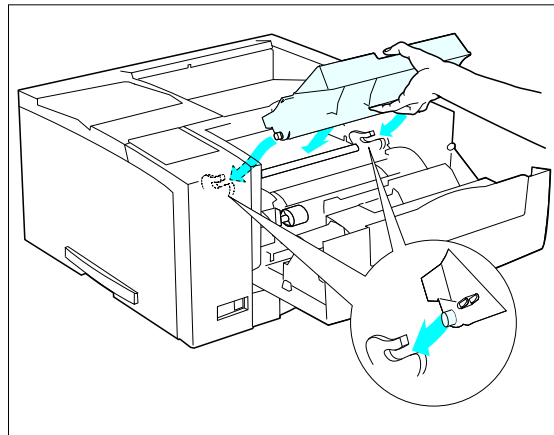
6 **Insert the EP cartridge into the guide channels marked by the arrows inside the front cover. Push in until it clicks in place, then close the front cover.**
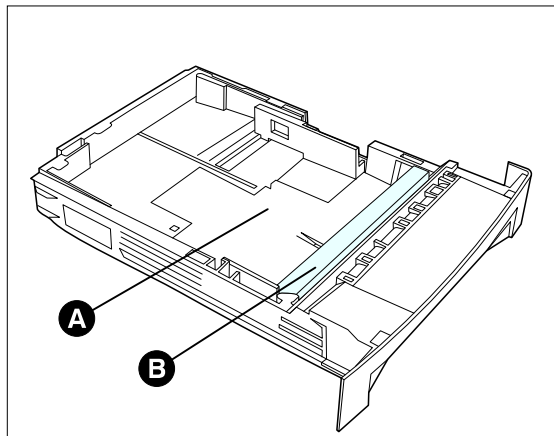
7 **Remove the main tray, press down on the bottom plate (A) until it clicks into position, and remove the plastic packing retainer (B).**
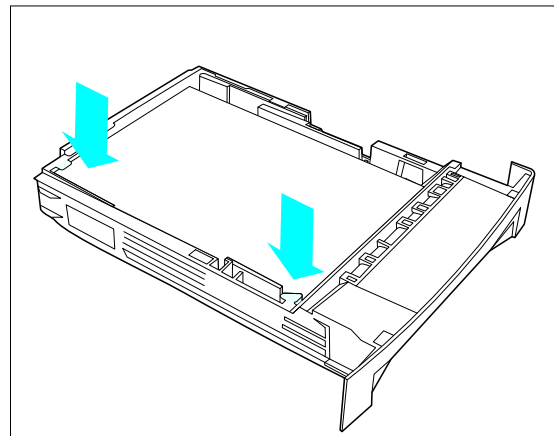
8 **Load paper so that it is under both the metal stop tab and the plastic fill tabs.**

⚠ Do not overfill the tray. Paper jams will result.
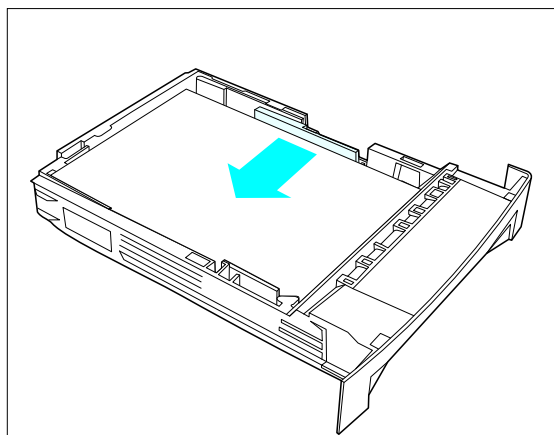
9 **Adjust the width guide so it lightly touches the right edge of the paper stack. Then slide the tray into the printer.**

✎ *Should you need to adjust the paper tray to fit other sizes of paper, refer to* Chapter 2: Paper Handling *in the* LN17 and LN17ps Printers User Guide *for instructions.*

Testing the Printer

To test the printer, power it ON, then print a printer Configuration Sheet using the Control Panel.

1 Plug the power cord into the printer and a wall outlet, then power ON the printer.

The printer will complete its self-test and display the following message at the Control Panel Display:

```
Online
Ready
```

2 Press Online ⬅ , then Menu ▤ and you will see:

```
Main Menu
Language
```

If the Control Panel message is not displayed in your language, continue to Step 3. Otherwise, skip to Step 5.

3 Press Enter ✱ and the display changes to:

```
Language
English
```

4 Press Down ⌄ or Up ⌃ until you see your language, then press Enter ✱ . Now all Control Panel messages will display in your language. The Control Panel momentarily displays:

```
* saved *
```

and then reverts to:

```
Main Menu
Language
```

5 Press Down ⌄ or Up ⌃ until you see:

```
Main Menu
Test Menu
```

6 Press Enter ✱ and the display changes to:

```
Test Menu
Config. sheet
```

Testing the Printer
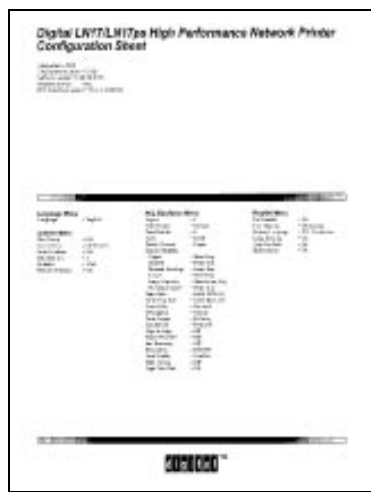
7 **Press Enter** ✳ **again to print a Configuration Sheet.**

The Configuration Sheet requires a minute or so to print. If it does not print, refer to *Chapter 6: Troubleshooting* in the *LN17 and LN17ps Printers User Guide*.

If the Configuration Sheet prints, you have successfully assembled and tested the printer.

Notice that the Configuration Sheet lists options that are installed (if any).

8 **If you have purchased printer options, power off the printer, unplug the power cord, and continue to** *"Installing Printer Options"* **(page 10). Otherwise, skip to** *"Connecting to a Host"* **(page 11).**

Installing Printer Options

A number of options are available to increase the capabilities of your LN17 and LN17ps printers. Call your dealer or Digital for ordering information.

Printer options include memory SIMMs, Network Interface Cards for Ethernet and LocalTalk, the PostScript SIMM (already installed in the LN17ps printer), and the Hard Drive.

Paper handling options include a Mailbox/Collator, an Envelope Feeder, an Offset Catch Tray, a 500-sheet Paper Deck and Cassette, and a Duplex Module.

If you have purchased any of these options, install them now.

Note

Installation of the memory SIMMS, the PostScript SIMM, the Hard Drive and the Network Interface Cards requires removal of the controller assembly from its housing. If you have more than one of these options, you can install all of them while the controller assembly is removed (before reinserting the controller assembly into its housing).

Refer to *Appendix C: Installing and Removing Printer Options* in the *LN17 and LN17ps Printers User Guide* for complete instructions.

Connecting to a Host

The LN17 printer can have up to three communication ports (Figure 3). These ports allow you to connect to three distinct host systems concurrently.

Figure 3   LN17 printer input/output ports

Rear View

A   Network Ports (Options)

B   Parallel Port
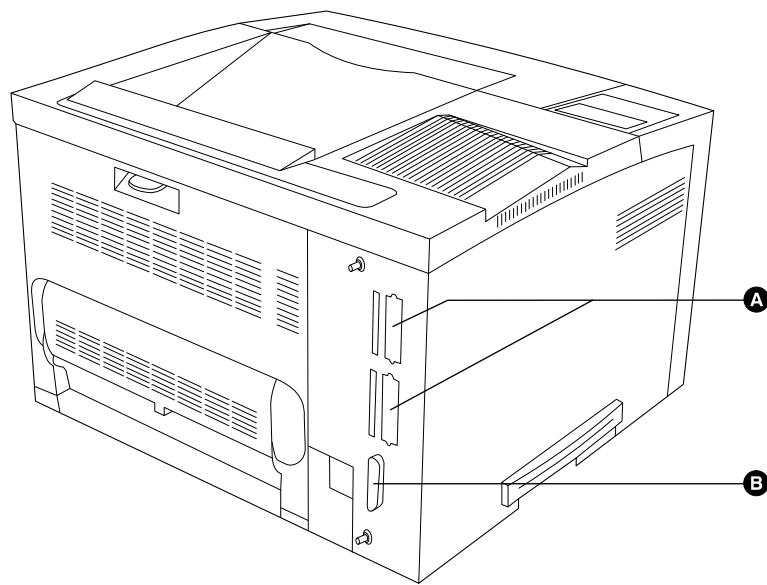
You must supply the appropriate interface cable(s) to connect the printer to the host(s). Refer to Table 1 or Table 2 on page 12 for specifications.

Always power off the LN17 printer and the host before attaching the printer interface cable.

Caution

Connecting to a Host

Table 1   LN17 printer cable specifications

Port Type	Cable Type(s)	Connection Type	Maximum Length
Parallel P1284	IEEE P1284-B Compliant Parallel Cable	Standard Centronics 36-pin male	2 meters (6 feet)
Ethernet (option)	ThinNet (10base2) (RG-58 coaxial cable)	BNC	185 meters (607 feet) and 30 devices per segment
	10baseT (24 gauge, unshielded twisted pair cable)	RJ-45	100 meters (330 feet) per cable
LocalTalk (option)	LocalTalk PhoneNet	DIN-8	300 meters (990 feet) with a maximum of 32 devices

The following table lists cables and adapters available to support the LN17/LP17ps printers. Contact your dealer or Digital for ordering information.

Table 2   PC and Macintosh cables and adapters

Host Connector Type	Cables	Length
AppleTalk Cable		
DIN 8-pin Male	BCC46-06	1.8 m (6 ft)
Parallel Cables		
25-pin Centronics Parallel	BC19M-06	1.8 m (6 ft)
25-pin Centronics Parallel	BC19M-10	3.0 m (10 ft)

Connecting to a Host

Install the appropriate LN17 printer driver(s) (described on the following pages) on your host as per the instructions provided with each driver.

For the network options, refer to the respective network card User Guide to configure the network parameters. To verify communications, send a job to the printer.

Refer to *Appendix C: Installing and Removing Printer Options* in the *LN17 and LN17ps Printers User Guide* for complete instructions.

Installing a Printer Driver

Installing a Printer Driver

The base LN17 printer supports the PCL 5e Emulation printer drivers listed in Table 3. To take full advantage of all the printer's features when printing PCL jobs, install the appropriate LN17 printer PCL 5e Emulation printer driver(s). (Consult your operating system user manual for instructions on installing a new printer driver.)

Table 3   LN17 PCL 5e Emulation printer drivers

Environment	Printer Driver	Diskette
DOS[†]	Microsoft Word Ver. 6.0	Printer Drivers for MS-DOS
	WordPerfect Ver. 6.0	Printer Drivers for MS-DOS
	AutoCAD Rel. 12, 13	Printer Drivers for MS-DOS
Windows	Windows 3.1 / Windows 95	PCL5e Emulation Printer Driver for Microsoft Windows 3.1 and Windows 95
	Windows NT 3.5	PC 5e Emulation Printer Driver for Microsoft Windows NT

† If you are using a DOS application other than Microsoft Word, WordPerfect, or AutoCAD, use the HP LaserJet 4 si printer driver supplied with your application software.

If you purchased the PostScript option (or if your printer came with PostScript installed), your printer also supports the PostScript drivers listed in Table 4 on page 15. To take full advantage of all the printer's features when printing PostScript jobs, install the appropriate LN17 PostScript printer driver(s). (Consult your operating system user manual for instructions on installing a new printer driver.)

Call Digital for any drivers you need beyond those supplied with the printer.

Table 4   LN17 PostScript printer drivers

Environment	Printer Driver	Diskette
Windows	Windows 3.1 / Windows 95	PostScript Printer Drivers for Microsoft Windows 3.1 and Windows 95
	Windows NT 3.5	PostScript Printer Driver for Microsoft Windows NT
Macintosh	System 6.x	PostScript Printer Driver and Utilities for Macintosh
	System 7.x	PostScript Printer Driver and Utilities for Macintosh

Installing DCPS Software

DECprint Supervisor (DCPS) for OpenVMS is a family of layered products that run on OpenVMS VAX and OpenVMS Alpha systems to provide access to selected PostScript Level 1 and Level 2 print devices.

The DCPS software and documentation are available in the standard OpenVMS CDROM libraries, and may also be ordered separately from Digital.

The license rights to use the basic printing features of DCPS with Digital PostScript printers are included with the OpenVMS operating system.

You can find more information about the DCPS products, including pricing and support of optional features, and ordering information, in the *DECprint Supervisor (DCPS) for OpenVMS Software Product Description (AE–PUM0*–TE).*

For DCPS installation information, refer to the *DECprint Supervisor for OpenVMS Software Intallation Guide.*

Installing DS/P Software for Novell

DS/P (Document Services for Printing) is an innovative combination of client and server software that increases the ease of use and productivity of the LN17 and LN17ps printers. It capitalizes on the advanced bidirectional communication features built into the printer. DS/P will:

- Install and configure LN17 printers for use on a PC using a Novell NetWare network.

- Improve access to printer console features through a remote user interface.

- Increase user productivity and self-sufficiency through best-fit printer selection and graphical status feedback features.

- Enhance management of network printing resources through accounting and load balancing graphs and reports.

For more information about DS/P, consult the *Document Services for Printing (DS/P) User Guide* (packaged with the Ethernet network card for the LN17 printer).

What to Do Next

What to Do Next

Congratulations! You have completed your setup of the Digital LN17 or LN17ps High Performance Network Printer.

If you have any questions or need to set optional parameters for printing, the *LN17 and LN17ps Printers User Guide* is a complete reference guide to all the printer's features and functions.