



Model DP-301
Ethernet / Fast Ethernet Multiprotocol
Print Server

Hardware Guide

Rev. 01 (November, 1997)

6DP301H...01
Printed In Taiwan



RECYCLABLE

WARRANTIES EXCLUSIVE

IF THE D-LINK PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, THE CUSTOMER'S SOLE REMEDY SHALL BE, AT D-LINK'S OPTION, REPAIR OR REPLACEMENT. THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. D-LINK NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION MAINTENANCE OR USE OF D-LINK'S PRODUCTS

D-LINK SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY THE CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLIGENCE, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO REPAIR, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING OR OTHER HAZARD.

LIMITATION OF LIABILITY

IN NO EVENT WILL D-LINK BE LIABLE FOR ANY DAMAGES, INCLUDING LOSS OF DATA, LOSS OF PROFITS, COST OF COVER OR OTHER INCIDENTAL, CONSEQUENTIAL OR INDIRECT DAMAGES ARISING OUT THE INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE OR INTERRUPTION OF A D- LINK PRODUCT, HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY. THIS LIMITATION WILL APPLY EVEN IF D-LINK HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

IF YOU PURCHASED A D-LINK PRODUCT IN THE UNITED STATES, SOME STATES DO NOT ALLOW THE LIMITATION OR EXCLUSION OF LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

Limited Warranty

Hardware:

D-Link warrants its hardware products to be free from defects in workmanship and materials, under normal use and service, for the following lengths of time from the date of purchase from D-Link or its Authorized Reseller:

<u>Product Type</u>	<u>Warranty Period</u>
Network adapters	Lifetime
Print servers (10Mbps)	Lifetime
Print servers (100Mbps)	Five years
Unmanaged and managed hubs (10Mbps)	Lifetime *
Unmanaged and managed hubs (100Mbps)	One year
Repeaters, MAUs , transceivers, media converters	One year
Concentrators	One year
Internetworking products	One year
* Power supply and fans in these devices	One year
Other hardware products	One year
Spare parts and spare kits	90 days

Lifetime warranty applies on condition that the Product Registration Card is completed and returned to D-Link within ninety (90) days of purchase. Failing such timely registration of purchase, warranty service requires suitable proof of your purchase, and the warranty is limited to five years from date of purchase.

If a product does not operate as warranted during the applicable warranty period, D-Link shall, at its option and expense, (1) repair the defective product or part, (2) deliver to Customer an equivalent product or part to replace the defective item. All products that are replaced will become the property of D-Link. Replacement products may be new or reconditioned. Any replaced or repaired product or part has a ninety (90) day warranty or the remainder of the initial warranty period, whichever is longer.

D-Link shall not be responsible for any software, firmware, information, or memory data of Customer contained in, stored on, or integrated with any products returned to D-Link pursuant to any warranty.

Warranty service may be obtained by contacting a D-Link office within the applicable warranty period for a Return Material Authorization (RMA) number. If a Registration Card has not been previously sent, proof of purchase, such as a copy of the dated purchase invoice, must be provided. Once an RMA number is issued, the defective product must be shipped back to D-Link prepaid, insured and wrapped in the original or similar shipping package to ensure that it will not be damaged during shipment. When returning the defective product to D-Link for service, the RMA number must be marked on the outside of the shipping package. Any product returned without an RMA number shall be rejected and sent back to the Customer, and D-Link reserves the right to have Customer bear the cost of sending back such products. A service charge may or may not be levied to Customer by D-Link. To find out if a service charge is levied or not, and the charged amount, read the RMA that is returned to Customer, or ask the D-Link office when an RMA is requested.

Software:

D-Link warrants that the software programs licensed from it will perform in substantial conformance to the applicable published program specifications for a period of ninety (90) days from the date of purchase from D-Link or its Authorized Reseller. D-Link warrants the magnetic media containing software against failure during the warranty period. No updates are provided. D-Link's sole obligation hereunder shall be to replace any defective software products with products which substantially conform to D-Link's applicable published specifications. Customer assumes responsibility for the selection of the appropriate applications program and associated reference materials. D-Link makes no warranty that its software products will work in combination with any hardware or applications software products provided by third party, that the operation of the software products will be uninterrupted or error free, or that all defects in the software product will be corrected. For any third party products listed in the D-Link software product documentation or specifications as being compatible, D-Link will make reasonable efforts to provide compatibility, except where the non-compatibility is caused by "bug" or defect in the third party's product.

Warranty service for software products may be obtained by contacting a D-Link office within the warranty period. Where no Product Registration Card has been sent by Customer, proof of purchase, such as a copy of the dated purchased invoice, must be provided.

D-Link Offices to Contact for Warranty Service:

To obtain an RMA number for warranty service, contact the D-Link office nearest you. A list of contact addresses for D-Link's international offices is found in the back of this manual. Your Warranty Registration Card should also be sent to your regional D-Link office.

Wichtige Sicherheitshinweise

1. Bitte lesen Sie sich diese Hinweise sorgfältig durch.
2. Heben Sie diese Anleitung für den spätern Gebrauch auf.
3. Vor jedem Reinigen ist das Gerät vom Stromnetz zu trennen. Verwenden Sie keine Flüssig- oder Aerosolreiniger. Am besten dient ein angefeuchtetes Tuch zur Reinigung.
4. Um eine Beschädigung des Gerätes zu vermeiden sollten Sie nur Zubehörteile verwenden, die vom Hersteller zugelassen sind.
5. Das Gerät is vor Feuchtigkeit zu schützen.
6. Bei der Aufstellung des Gerätes ist auf sichern Stand zu achten. Ein Kippen oder Fallen könnte Verletzungen hervorrufen. Verwenden Sie nur sichere Standorte und beachten Sie die Aufstellhinweise des Herstellers.
7. Die Belüftungsöffnungen dienen zur Luftzirkulation die das Gerät vor Überhitzung schützt. Sorgen Sie dafür, daß diese Öffnungen nicht abgedeckt werden.
8. Beachten Sie beim Anschluß an das Stromnetz die Anschlußwerte.
9. Die Netzanschlußsteckdose muß aus Gründen der elektrischen Sicherheit einen Schutzleiterkontakt haben.
10. Verlegen Sie die Netzanschlußleitung so, daß niemand darüber fallen kann. Es sollte auch nichts auf der Leitung abgestellt werden.
11. Alle Hinweise und Warnungen die sich am Geräten befinden sind zu beachten.
12. Wird das Gerät über einen längeren Zeitraum nicht benutzt, sollten Sie es vom Stromnetz trennen. Somit wird im Falle einer Überspannung eine Beschädigung vermieden.
13. Durch die Lüftungsöffnungen dürfen niemals Gegenstände oder Flüssigkeiten in das Gerät gelangen. Dies könnte einen Brand bzw. Elektrischen Schlag auslösen.
14. Öffnen Sie niemals das Gerät. Das Gerät darf aus Gründen der elektrischen Sicherheit nur von autorisiertem Servicepersonal geöffnet werden.
15. Wenn folgende Situationen auftreten ist das Gerät vom Stromnetz zu trennen und von einer qualifizierten Servicestelle zu überprüfen:
 - a – Netzkabel oder Netzstecker sint beschädigt.
 - b – Flüssigkeit ist in das Gerät eingedrungen.
 - c – Das Gerät war Feuchtigkeit ausgesetzt.
 - d – Wenn das Gerät nicht der Bedienungsanleitung entsprechend funktioniert oder Sie mit Hilfe dieser Anleitung keine Verbesserung erzielen.
 - e – Das Gerät ist gefallen und/oder das Gehäuse ist beschädigt.
 - f – Wenn das Gerät deutliche Anzeichen eines Defektes aufweist.
16. Bei Reparaturen dürfen nur Originalersatzteile bzw. den Orginalteilen entsprechende Teile verwendet werden. Der Einsatz von ungeeigneten Ersatzteilen kann eine weitere Beschädigung hervorrufen.
17. Wenden Sie sich mit allen Fragen die Service und Repartur betreffen an Ihren Servicepartner. Somit stellen Sie die Betriebssicherheit des Gerätes sicher.

Trademarks

Copyright ©1997 D-Link Corporation.

Contents subject to change without prior notice.

D-Link is a registered trademark of D-Link Corporation/D-Link Systems, Inc.

All other trademarks belong to their respective proprietors.

Copyright Statement

No part of this publication may be reproduced in any form or by any means or used to make any derivative such as translation, transformation, or adaptation without permission from D-Link Corporation/D-Link Systems Inc., as stipulated by the United States Copyright Act of 1976.

FCC Warning

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this user's guide, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

注意

この装置は、情報処理装置等電波障害自主規制協議会 (VCCI) の基準に基づく第一種情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

TABLE OF CONTENTS

ABOUT THIS GUIDE

INTRODUCTION	1
<i>Service Features</i>	2
<i>External Features</i>	3
Rear Panel.....	3
LED Indicators.....	4
UNPACKING AND INSTALLATION	6
<i>Unpacking and Inspecting</i>	6
<i>Installing the DP-301</i>	7
<i>Power-up and Self-Test</i>	8
LED Test Series.....	8
Component Test Series.....	8
Operational Test.....	9
<i>Velcro-mounting the DP-301</i>	10
PRODUCT SPECIFICATIONS	11
PORT PINOUTS	13
INDEX	14

ABOUT THIS GUIDE

This manual describes the D-Link DP-301 Ethernet/Fast Ethernet Multiprotocol Print Server, including full descriptions of its features, detailed installation procedures, and troubleshooting information.

Your DP-301 package includes important software components, and additional user manuals. The software components, and procedures for installation and setup of the software, are covered in the *PS Admin User's Guide*.

INTRODUCTION

The DP-301 Print Server is a compact print server which connects to your Ethernet or Fast Ethernet network anywhere you wish to locate printer services. It manages the flow of print files from your workstations or file servers to its connected printers, delivering print jobs to high-performance printers much faster than a file server or a PC acting as a print server can.



DP-301 Print Server

Service Features

DP-301 print servers improve network printing services in three ways:

- ◆ The DP-301 picks up the workload of managing print file traffic to its connected printers. This provides workload relief to your file servers, and allows the file servers' full capacity to be used for file access or other direct services to network users. On peer-to-peer networks, workstations can print directly to the DP-301 without increasing the load of another workstation or server.
- ◆ The DP-301's IEEE 1284 compliant high-speed bidirectional parallel printer port can transmit to high-speed laser printers much faster than a PC's parallel printer port. A high-speed laser printer can be driven at its full capacity.
- ◆ Because the DP-301 is very portable and inexpensive compared to a PC-based print server, and because the DP-301 connects to your file servers through the network, the printer can be stationed at the location of maximum convenience to users.

The DP-301 offers extraordinary flexibility, operating with all major network operating systems and protocols:

- ◆ **IPX/SPX**

Novell NetWare 3.x, 4.x (Using either bindery emulation or native NDS)

- ◆ **TCP/IP**

UNIX lpr/lpd (HP-UX, SunOS, Solaris, SCO, UnixWare, IBM AIX)

Windows NT

- ◆ **NetBEUI**

Windows NT, Windows 95, Windows for Workgroups, Microsoft LAN Manager, IBM LAN Server

- ◆ **AppleTalk**

MacOS EtherTalk

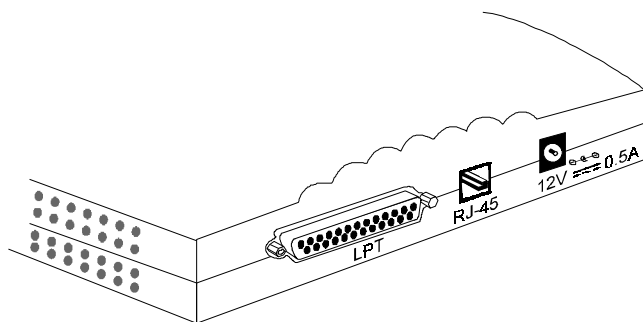
Your D-Link DP-301 package includes *PS Admin*, a Windows-based setup and administration program, which makes configuration and management of your D-Link print servers quick and easy in a Windows environment. The DP-301 also has a Telnet interface for management communications. If Windows is not available on the station you choose for print server administration, then all configuration and management commands may be issued to the DP-301, and all console messages and management report information will be returned, via Telnet.

External Features

This section describes the external features of the DP-301 print server.

Rear Panel

The DP-301's printer port, network port, and power input socket are all located on the rear panel



DP-301 Rear Panel

Printer Port

The printer port, labeled LPT, is configurable by commands in the *PS Admin* program, or by commands issued to the DP-301 via Telnet. See the *PS Admin User's Guide* for configuration procedures.

Network Port

The network port (RJ-45 receptacle) provides for connection to the network through 10Base-T Ethernet cabling, or Category 5 twisted-pair cable for 100Base-TX Fast Ethernet. This port has autonegotiation (NWay) functionality, which enables the DP-301 to automatically negotiate and set its data rate to the highest rate allowed by its network.

DC Power Input

The DC power input socket has the label: 12V === 0.5A. The power supply included in your DP-301 package is correct for the DP-301. Substitution of other equipment may void warranty.

LED Indicators

The front panel of the DP-301 comprises three LED indicators. See "Power-up and Self-Test," Chapter 2, for LED indications upon starting up the DP-301. During operations following a normal startup, the LED indicators provide the following status signals:

- ◆ **Pw/Tx**

Steady or flashing green confirms power on.

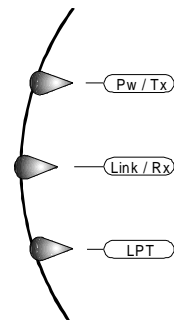
This indicator blinks (briefly dark) when the DP-301 is transmitting to the network.

- ◆ **Link/Rx**

Steady or flashing green confirms that the DP-301 has a good connection to the Ethernet or Fast Ethernet network.

This indicator blinks (briefly dark) when the DP-301 is receiving from the network.

- ◆ **LPT**



LED Indicators

This indicator shows steady green while the DP-301 is transferring print data through its printer port

UNPACKING AND INSTALLATION

This chapter explains how to install your DP-301 print server and connect it to the network. It also describes the automatic power-on self test, and provides instructions for convenient Velcro mounting.

Unpacking and Inspecting

Carefully remove all items from the package. In addition to this *Hardware Guide*, be certain that you have:

- ◆ One DP-301 print server
- ◆ One DC power adapter suitable for your electric power service
- ◆ Two *PS Admin for Windows* software diskettes
- ◆ One *PS Admin User's Guide*
- ◆ One *lpr* software diskette
- ◆ One *lpr* user's guide
- ◆ Velcro strips for optional mounting

If any item is missing, or if you find any damage or mismatch, promptly contact your dealer for assistance.

Installing the DP-301

Follow these steps for a trouble-free start of print-server operations with your DP-301. Please take particular notice of the warning in step 4: the network connection should be made before supplying power to the DP-301.

1. Confirm proper operation of the printer to be connected to the DP-301.
2. When you have confirmed proper operation of the printer, switch its power off.
3. Confirm that your network is operating normally.
4. Connect the DP-301 to the network (through the RJ-45 receptacle on the print server's rear panel).

WARNING: *Configuration problems may result if the DP-301 is powered up without first establishing its network connection. Follow this procedure to avoid complications at the configuration stage.*

5. While the printer is power off, install a printer cable to connect its parallel port to the printer port of the DP-301.
6. Switch printer power on.
7. Plug the DC power adapter's output plug into the DC power input socket on the rear panel of the DP-301.
8. Plug the DC power adapter into an electric service outlet. This will supply power to the DP-301. (The DP-301 has no power switch.) The DP-301's self-test routines will proceed automatically.

Power-up and Self-Test

Whenever the DP-301 is powered up, two kinds of testing procedures follow automatically. The first procedure is just a programmed series of LED flashes, to confirm proper operation of the three LED indicators. The second procedure comprises programmed tests of each of the DP-301's major components. If any fault is found during the component test series, testing is halted and a continuous pattern of LED flashes signals the nature of the fault.

LED Test Series

Immediately upon power-up, all three of the LED indicators will show steady green for several seconds. Then the LPT indicator will flash three times while Pw/Tx and Link/Rx remain steady. Irregularity of any of the LEDs during this LED test series indicates that there is a problem with the LEDs themselves. Contact your dealer for correction of any LED problems before proceeding.

Component Test Series

The actual component tests immediately follow the LED tests. A normal (no fault) result is signaled by three flashes of the LPT indicator and the start of normal print server operation.

If any error condition is found during the component test series, then the test will halt with the LPT LED continuously signaling the particular error according to the following table.

LPT Flash Pattern	Error Type
-------------------	------------

steady long flashes	Firmware Reload Required
continuous on	DRAM Error
One long, two short flashes	Timer INT Error
One long, three short flashes	Flash Protected
One long, four short flashes	Flash ID Error
One long, five short flashes	Flash Erase / Program Error
One long, six short flashes	LAN Controller Error
One long, seven short flashes	LAN Memory Error
One long, eight short flashes	Parallel Controller Error
One long, nine short flashes	LPT Error
steady short flashes	EEPROM Error
One long, eleven short flashes	LAN I/O Base error

In the event of a Firmware Reload Required error at startup, proceed according to instructions given in the *PS Admin User's Guide* ("PS Admin Administration" section, under the heading "Upgrading the Print Server's Internal Firmware").

In the event that any of the other listed error conditions is encountered on startup, contact your dealer for correction of the fault.

Operational Test

The *PS Admin* software includes a Print Test function for confirmation of connections and functions. That operational test can be performed after you have completed installation of the *PS Admin* software, and the *PS Admin* procedures for configuring the DP-301. See instructions given in the *PS Admin User's Guide* ("Getting Started Setting up Your Print Server" section, under the heading "Testing your Print Server").

Velcro-mounting the DP-301

The DP-301 can stand on the printer's tabletop, or may be Velcro-mounted to a side panel of the printer or another suitable surface next to the printer. To prepare for Velcro-mounting, separate the two parts of the supplied

Velcro tape (pull the "hook" tape apart from the "loop" tape -- the hook tape has stiff little plastic hooks, which give its surface a rough feel, and the loop tape has a mat of soft plastic filaments which gives it a smooth, soft feel).

The bottom housing of the DP-301 case features two corner markers which indicate the best location for applying the Velcro loop tape. Peel the white backing off of the loop tape, to expose its adhesive surface, and press it onto the bottom of the DP-301, between the corner markers.

Choose a mounting surface, and mounting attitude, which will afford convenient visual access to the DP-301's LED indicators, without cramping any of the wiring connected to the DP-301's rear panel. Peel the white backing off of the hook tape. Align the hook tape to match the alignment of the loop tape when the DP-301 is in the attitude you have chosen, and press the loop tape's adhesive back onto the mounting surface.

Mount the DP-301 by pressing its case firmly against the mounting surface to engage the hooks and loops of the Velcro tapes.



PRODUCT SPECIFICATIONS

Printer Connection

Printer Port: IEEE 1284 standard bidirectional parallel interface with 25-pin connector.

Bidirectional Communication: Hewlett-Packard PJJ (Printer Job Language) standard for bidirectional communication.

Network Connection

Network Standards: IEEE 802.3 10Base-T Ethernet, IEEE 802.3u 100Base-TX Fast Ethernet

Network Data Transfer Rate: 10Mbps and 100Mbps (megabits per second), according to network environment.

Network Connector: RJ-45 connector for 10Base-T or 100Base-TX twisted pair connection; NWay automatic speed negotiation supported.

Network Protocols

Ethernet Frame Types: 802.2, 802.3, Ethernet II, SNAP (auto-switching)

Transport Protocols: IPX/SPX, TCP/IP, NetBEUI, AppleTalk/EtherTalk

TCP/IP Protocols Supported: BOOTP, SNMP, Telnet, TFTP, FTP, lpd, RARP, DHCP

Management and Diagnostics

Standard: SNMP

MIBs: MIB-II (RFC 1213)

Diagnostic LED Indicators: Pw/Tx, Link/Rx, LPT

Environmental and Physical

Power Supply: External power supply providing 12VDC/ 500mA

Dimensions: 139.5mm × 114.5mm × 27.2mm

Weight: approx. 165g

Operating Temperature: 0 to 50°C

Storage Temperature: -10 to 50°C

Humidity: 10% to 90% non-condensing

Emissions: FCC Class A, CISPR 22 Class A, VCCI Class 1, AS/NZS 3548:1995 Class A

Safety: UL (UL 1950), CSA (CSA950), TUV/GS (EN60950)



PORT PINOUTS

The following table lists the pinouts of the DP-301's 25-pin parallel port connector (identical to the parallel port connector used on most personal computers), and the corresponding pin numbers for the 36-pin Centronics connector as used on most printers.

Signal names beginning with *n* are active-low signals.

25-pin	Centronics	Signal	Source
1	1	nStrobe	Host
2	2	Data 1	Bidirectional
3	3	Data 2	Bidirectional
4	4	Data 3	Bidirectional
5	5	Data 4	Bidirectional
6	6	Data 5	Bidirectional
7	7	Data 6	Bidirectional
8	8	Data 7	Bidirectional
9	9	Data 8	Bidirectional
10	10	nAck	Printer
11	11	Busy	Printer
12	12	PError	Printer
13	13	Select	Printer
14	14	nAutoFd	Host
15	32	nFault	Printer
16	31	nInit	Host
17	36	nSelectIn	Host
18-25	16, 17, 19-30	Ground	

INDEX

100Base-TX	1, 4, 5, 11	LPT LED	4, 5, 8, 9, 12
10Base-T	1, 4, 5, 11	MIB	12
12V DC	4, 12	NetBEUI	2, 11
AppleTalk	3, 11	network connector	3, 4, 11
automatic self test	6	network port	3, 4, 11
autonegotiation	4	NWay	4
bidirectional printer port	2, 11	pinouts	13
cabling	4, 7	power adapter	4, 12
DC power adapter	4, 6, 7, 12	power switch (none)	7
diskettes	6	printing operational test	9
error condition	8, 9	protocols	2, 12
Ethernet	1, 4, 5, 11	PS Admin, Print Server Administration program	3, 4, 6, 9
EtherTalk	3, 11	Pw/Tx LED	8, 12
Fast Ethernet	1, 4, 5, 11	reload firmware	9
firmware	9	RJ-45	3, 4, 11
IEEE 1284	2, 11	self test	6
IEEE 802.3	1, 4, 5, 11	SNMP	12
IEEE 802.3u	1, 4, 5, 11	software diskette	6
IPX/SPX	2, 11	standards	11, 12
LED error signals	8, 9	startup tests	6
LED status signals	4, 5, 8, 9, 12	TCP/IP	2, 11, 12
Link/Rx LED	5, 8, 12	warning, network connection before power	7
lpd network printing utility	2, 12		
lpr network printing utility	2		

D-Link® Offices

U.S.A.	D-LINK SYSTEMS, INC. 5 Musick Irvine, CA 92618 USA TEL: 1-714-455-1688 FAX: 1-714-455-2521
CANADA	D-LINK CANADA, INC. 2180 Dunwin Drive, Unit # 6, Mississauga Ontario, L5L 5M8, Canada TEL: 1-905-828-0260 FAX: 1-905-828-5669
U.K.	D-LINK (EUROPE) LTD. D-Link House, 6 Garland Road, Stanmore, London HA7 1DP U.K. TEL: 44-181-2355555 FAX: 44-181-2355500
GERMANY	D-LINK (DEUTSCHLAND) GMBH I.G. Bachstrae 22, 65830 Kriftel Germany TEL: 49-6192-97110 FAX: 49-6192-971111
FRANCE	D-LINK FRANCE Le FLORILEGE #2, Allee de la Fresnerie 78330 Fontenay Le Fleury France TEL: 33-1-30238688 FAX: 33-1-30238689
SWEDEN	D-LINK A/B World Trade Center P. O. Box 70396, 107 24 Stockholm Sweden TEL: 46-8-7006211 FAX: 46-8-219640
DENMARK	D-LINK DENMARK Naverland 2 DK-2600 Glostrup Copenhagen, Denmark TEL:45-43-969040 FAX:45-43-424347
SINGAPORE	D-LINK SINGAPORE PTE.LTD. 77 Science Park Drive #03-03 CINTECH III, Singapore Science Park Singapore 118256 EL : 65-7746233 FAX: 65-7746322
AUSTRALIA	D-LINK AUSTRALIA PTY.LTD. Unit 16, 390 Eastern Valley Way Roseville, NSW 2069 Australia TEL: 61-2-94177100 FAX: 61-2-94171077
CHINA	D-LINK BEIJING 15th Floor, Science & Technology Tower No. 11, Baishiqiao Road, Haidian District, Beijing 100081 China TEL: 86-10-68467106-9 FAX: 86-10-68467110
JAPAN	D-LINK TOKYO 5F, 3-9-1 Togoshi, Shinagawa-ku Tokyo 142 Japan TEL: 81-3-5751-2351 FAX: 81-3-5751-2352
INDIA	D-LINK (INDIA) PVT. LTD. Bombay Office : Plot No.5, Kurla-Bandra Complex Rd. Off Cst Rd., Santacruz (E) Bombay - 400 098 India TEL: 91-22-6172478 FAX: 91-22-6172476
TAIWAN	D-LINK TAIWAN 2F, No.233-2 Pao-Chiao Rd, Hsin-Tien, Taipei, Taiwan, R.O.C. TEL: 886-2-916-1600 FAX: 886-2-914-6299

Registration Card

Print, type or use block letters.

Your name: Mr./Ms _____
 Organization: _____ Dept. _____
 Your title at organization: _____
 Telephone: _____ Fax: _____
 Organization's full address: _____

 Country: _____
 Date of purchase (Month/Day/Year): _____

Product Model	Product Serial No.	* Product installed in type of computer (e.g., Compaq 486)	* Product installed in computer serial No.

(* Applies to adapters only)

Product was purchased from:

Reseller's name: _____
 Telephone: _____ Fax: _____
 Reseller's full address: _____

Answers to the following questions help us to support your product:

1. **Where and how will the product primarily be used?**
 Home Office Travel Company Business Home Business Personal Use
2. **How many employees work at installation site?**
 1 employee 2-9 10-49 50-99 100-499 500-999 1000 or more
3. **What network protocol(s) does your organization use ?**
 XNS/IPX TCP/IP DECnet Others _____
4. **What network operating system(s) does your organization use ?**
 D-Link LANsmart Novell NetWare NetWare Lite SCO Unix/Xenix PC NFS 3Com 3+Open
 Banyan Vines DECnet Pathwork Windows NT Windows NTAS Windows '95
 Others _____
5. **What network management program does your organization use ?**
 D-View HP OpenView/Windows HP OpenView/Unix SunNet Manager Novell NMS
 NetView 6000 Others _____
6. **What network medium/media does your organization use ?**
 Fiber-optics Thick coax Ethernet Thin coax Ethernet 10BASE-T UTP/STP
 100BASE-TX 100BASE-T4 100VGAnyLAN Others _____
7. **What applications are used on your network?**
 Desktop publishing Spreadsheet Word processing CAD/CAM
 Database management Accounting Others _____
8. **What category best describes your company?**
 Aerospace Engineering Education Finance Hospital Legal Insurance/Real Estate Manufacturing
 Retail/Chainstore/Wholesale Government Transportation/Utilities/Communication VAR
 System house/company Other _____
9. **Would you recommend your D-Link product to a friend?**
 Yes No Don't know yet
10. **Your comments on this product?**

PLEASE
PLACE STAMP
HERE

TO: _____

D-Link®