

D-Link[®]

DE-805TP 5-Port Ethernet Micro-Hub User's Guide

Rev. 04 (Aug., 1997)

6DE-805-TP..04

Printed In Taiwan



RECYCLABLE

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FCC Warning

Class B for Model DE-805TP

FCC ID No: KA2ED3805TP

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 or relocate 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 the dealer or an experienced radio/TV technician for help.**

Shielded interface cables must be used in order to comply with emission limits.

Changes or modifications not expressly approved by user's authority to operate this equipment.

VCCI B Warning for Model DE-805TP

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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。

CE Class B Warning

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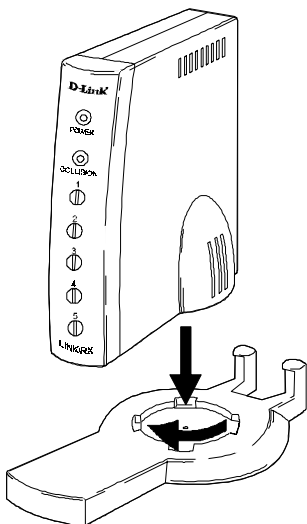
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Installation

Attaching the Hub Stand

A stabilizing stand has been provided with the hub. It functions as a “foot” to provide a stable installation on a desktop or other flat surface.

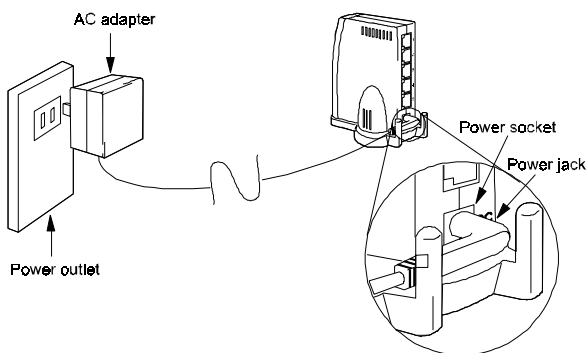


Connecting Power

Use an AC power adapter (optionally available from your dealer). The AC power adapter provides a stable source of power for the hub. This *User's Guide* lists the AC power adapters that can be used

with the DE-805TP hub. Consult this list if you need to place an order.

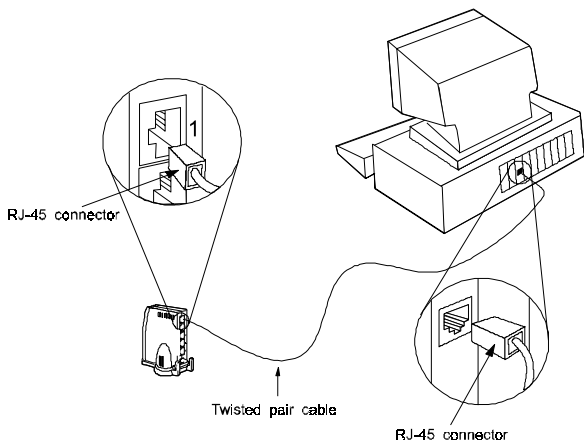
Caution: *If you are going to supply your own AC power adapter, carefully read the input power specification of the DE-805TP hub. No fuse is provided to protect the hub from high input voltage or sudden power surges. Using the wrong AC power adapter may cause irreparable damage to the hub.*



Connecting Twisted-Pair Segments

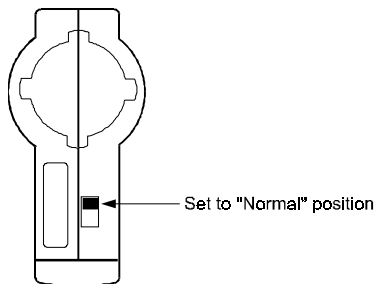
Each of the hub's five twisted-pair ports can be used to connect a station or other device. Use a straight-through twisted-pair cable with RJ-45 connectors on both ends.

The twisted-pair cable extended from a twisted-pair port is called a “twisted-pair segment,” and it can be up to 100 meters long.



Note:

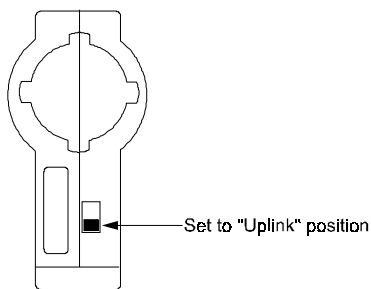
To connect port 5 to a computer or other non-hub device, make sure that you set the switch on the bottom of the hub to the “Normal” position.



Connecting Hubs Together

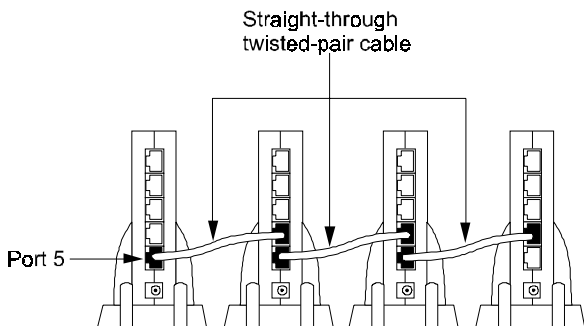
Connecting (cascading) hubs together allows you to increase the number of ports available to the network. All stations attached to the cascaded hubs communicate with each other on the same network.

1. Use port 5 to connect the hubs together. Set this port to the "Uplink" position using the switch on the bottom of the hub.
2. Use a straight-through twisted-pair cable, connect one end to one hub in the "Uplink" position. Connect the other end to a hub in the "Normal" position. The length of this cable can be up to 100 meters.



Note: *Do not connect more than four hubs together. If you must expand the network to include more ports, use hubs with higher port densities. Regardless, the number of*

cascaded hubs MAY NOT exceed four unless a bridge is used.



Diagnostic LEDs

- **Power**

If this LED is off, check to be certain you are using the correct AC power adapter or if the adapter you are using is damaged. (Note: if the other LEDs are functioning, then it is possible that the Power LED is bad and nothing is actually wrong.)

- **Collision**

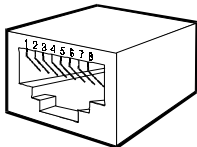
Excessive blinking of this LED indicates that the traffic on the network is heavy. Since there are only five ports on the DE-805TP, this situation generally only occurs if multiple hubs are cascaded together. If network speed is significantly affected, disconnect non-essential stations or add a bridge.

- **Link/Rx**

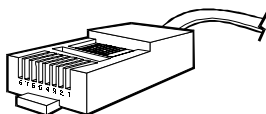
There is one Link/Rx LED for each port. For port 5, this LED applies only when the port is set to the "Normal" position. When the LED is on (for each port), the data link between the port and the node connected to it is functioning. If a node is connected and the LED is off, check the cable, connector and the power status of the node. This LED blinks when data is being received.

Connector Pinouts

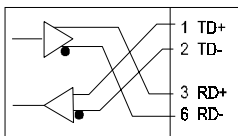
Port



Connector

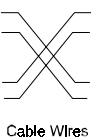


Hub 1



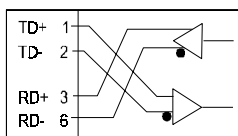
PC Board

RJ-45
Connector/
Receptacle



Cable Wires

Hub 2

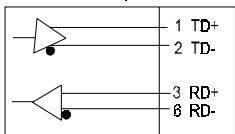


RJ-45
Connector/
Receptacle

PC Board

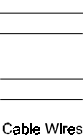
Signal transmission of cross-over 10BASE-T cable

Non-repeater



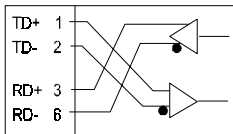
PC Board

RJ-45
Connector/
Receptacle



Cable Wires

Hub



RJ-45
Connector/
Receptacle

PC Board

Signal transmission of straight 10BASE-T cable

List of AC Power Adapters for Use with the DE-805TP Hub

Model	Description
AD-0950	9V DC, 120 VAC American standard UL/CSA approved AC power adapter
AD-0950B	9V DC, 220 VAC German standard VDE approved AC power adapter
AD-0950D	9V DC, 240 VAC U.K. plug BSI approved AC power adapter
AD-0704J	7.5 DC, 100VAC Japanese standard T-mark approved AC power adapter

Technical Specifications

- **Standards:** IEEE 802.3, 10BASE-T
- **Number of Twisted-Pair Ports:** 5
- **Supports** Category 3, 4, 5 UTP/STP cables
- **Cascading:** "Uplink"
- **LED Indicators:** 5 Link/Rx, 1 Power, 1 Collision
- **EMI:** FCC Class B, VCCI B, CE B, C-Tick
- **DC Input:** 7.5V DC / 9V DC (AC adapter)
- **Power Consumption:** 2W max
- **Power Source:** AC power adapter
- **Dimensions:** 104 x 24 x 92 mm
(4.09 x 0.95 x 3.62 inches)
- **Weight:** 114 grams (excluding power adapter)
- **Operating Temperature:** 0-55 degrees Celsius
- **Humidity:** 10-90% non-condensing

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

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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
Unmanaged and managed hubs (10Mbps)	Lifetime *
Unmanaged hubs (100Mbps)	Lifetime *
Managed hubs (100Mbps)	One year
* Power supply and fans in these devices	One year
Other hardware products	One year
Spare parts and spare kits	90 days

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.

All products with lifetime warranty have a standard five-year warranty. To qualify for lifetime warranty, the enclosed Product Registration Card must be completed and returned to D-Link within ninety (90) days of purchase.

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.

For Warranty Service:

To obtain an RMA number or warranty service, contact the D-Link office nearest you. A list of contact addresses for D-Link's international offices can be found in this *User's Guide*. Your Warranty Registration Card needs to be filled-out and sent to your regional D-Link office.

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 Computer serial No.

Product was purchased from:

(* Applies to adapters only)

Reseller's name: _____

Telephone: _____ Fax: _____

Reseller's full address: _____

1. Where and how will the product primarily be used?

Home Office Travel Company Business Home Business Personal

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 Other _____

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 Other _____

5. What network management program does your organization use ?

D-View HP OpenView/Windows HP OpenView/Unix SunNet Manager

Novell NMS NetView 6000 Other _____

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

Other _____

7. What applications are used on your network?

Desktop publishing Spreadsheet Word processing CAD/CAM

Database management Accounting Other _____

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

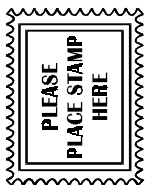
Systemhouse/company Other _____

9. Would you recommend your D-Link product to a friend?

Yes No (why?) _____ I don't know yet

10. Your comments on this product:





TO: _____

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