HEWLETT PACKARD

HP Series 6400 Model 1300H HP-IB DDS-Format Drive

User's Manual

Front Panel Lights

Cassette not write-protected

Lights	Meaning
Cassette light (upper): Off Drive light (lower): Off	No cassette present **or** no power
Off Flash Green	HP-IB/DDS activity, no cassette
Pulse Green Pulse Green	Loading or unloading
Steady Green Off	Cassette loaded and drive offline
Steady Green Flash Green	HP-IB/DDS activity, with cassette loaded
Steady Green Steady Green	Cassette loaded and drive online

Cassette write-protected

Lights	Meaning
Pulse Yellow Pulse Green	Loading or unloading—cassette write-protected
Steady Yellow Off	Cassette write-protected and loaded, with the drive offline
Steady Yellow Flash Green	HP-IB/DDS activity, with write-protected cassette
Steady Yellow Steady Green	Cassette write-protected and loaded, with the drive online

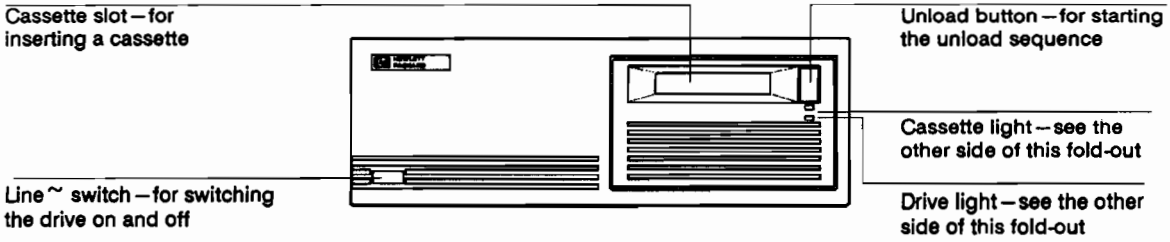
Warning displays

Lights	Meaning
Green: 4.5s on, 0.5s off ? Irrelevant	Caution signal—see chapter 3
Steady Yellow Steady Yellow	High humidity—see chapter 2
I II III Groups of 1–3 Yellow Pulses Steady Yellow	Part of the drive is not functioning correctly. The number of pulses per group on the Cassette light provides information for Service Engineers relating to the nature of the fault

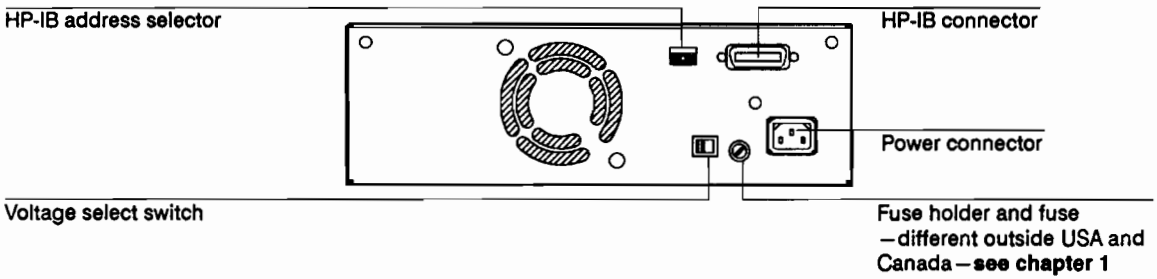
Open this page out for Front and Rear Panel Controls and Indicators ⇒

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.



Front Panel Controls and Indicators



Rear Panel Selectors and Connectors

Edition 2, February 1991

Part Number C1511-90901

Printed in the U.K.

Warranty and Service

Hewlett-Packard tape drive products are warranted against defects in materials and workmanship for ninety days from the date of installation. Hewlett-Packard will, at its option, repair or replace equipment which proves to be defective during the warranty period. A copy of the complete warranty statement is available upon request.

Hewlett-Packard offers complete service and maintenance worldwide. Maintenance agreements are available for all HP peripheral products. Among the advantages of these agreements are that you have a fixed annual cost, individualized cost-effective contracts, and a choice of response time. You can find the current rates by contacting your local HP Sales Office.

The selection and use of media, supplies and consumables is the customer's responsibility. Hewlett-Packard reserves the right to exclude from the warranty or service agreement any repairs for damage to HP products which Hewlett-Packard reasonably determines or believes were caused by use of non-HP media or cleaning supplies. Hewlett-Packard will, upon request, repair such damage on a time and material basis.

Repairs necessitated by misuse of the equipment, or by hardware, software, or interfacing not provided by Hewlett-Packard are not covered by this warranty.

No other warranty is expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.
Hewlett-Packard shall not be liable for consequential damages.

Radio Frequency Interference Statement (Federal & Communications Commission), USA only

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 the instruction manual, may cause harmful interference to radio communications. Operation of the 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.

Note that if you change or modify the equipment in a way that is not expressly approved by Hewlett-Packard, any assurances of safety or performance can no longer be held to apply.

UK BSI Power Supply Outlet Requirements

For pluggable equipment the socket outlet shall be installed near the equipment and shall be easily accessible.

Electromagnetic Interference Regulations Germany Manufacturer's Declaration

This is to certify that this product (HP Series 6400 Model 1300H DDS-Format tape drive) is in accordance with the Radio Interference Requirements of Directive FTZ 1046/84. The German Bundespost has been notified that this equipment has been put into circulation and has been granted the right to check the product type for compliance with these requirements.

Funkentstörung Deutschland Herstellerbescheiningung

Hiermit wird bescheinigt, daß das Gerät/System HP Series 6400 Model 1300H (Magnetbandeinheit DDS-Format) in Übereinstimmung mit den Bestimmungen von Postverfügung 1046/84 funkenstört ist.

Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes/Systems angezeigt und die Berechtigung zur Überprufung der Serie auf Einhaltung der Bestimmungen eingeräumt.

UK BSI Approval

This Hewlett-Packard tape drive, the HP Series 6400 Model 1300H, meets the General Approval NS/G/1234/J/100003 Requirements.

Japanese VCCI

この装置は，第一種情報装置（商工業地域において使用されるべき情報装置）で商工業地域での電波障害防止を目的とした情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）基準に適合しております。

従って，住宅地域またはその隣接した地域で使用すると，ラジオ，テレビジョン受信機等に受信障害を与えることがあります。

取扱説明書に従って正しい取り扱いをして下さい。

In This Book

This manual explains how to unpack, set up, use and maintain your 1300H tape drive.

The HP Series 6400 Model 1300H is a tape drive which stores data in a format called Digital Data Storage (DDS) on cassettes which can each hold up to 1.3 gigabytes (1300 megabytes) of data. Because of the crucial importance of data integrity in computer environments, we recommend that you only use tapes marketed by Hewlett-Packard, which meet our exacting high standards. "Supplies and Accessories" in chapter 4 tells you how to order these tapes.

The 1300H can be used with a variety of computer systems and applications. To find the commands which you should use with your particular system, consult your system or software manual.

The 1300H tape drive is supported on the following host systems:

Host	Series	Operating System	Notes
HP 3000		MPE-XL 2.05	
HP 3000		MPE V/E V-delta 8 MPE V/E V-delta 10	Patch required Full support
HP 9000	500, 800 HP-IB	HP-UX 8.0	
HP 9000	300 HP-IB	HP-UX 7.0	

These details are liable to change. Please contact your local HP Sales Office for up-to-date information. They will also be able to tell you how to upgrade your operating system if it does not support the drive, or is not up to the right level.

In MPE operating systems, the Model 1300H is referred to as the HP C1511A for configuration purposes.

Contents

1

Setting Up

Setting Up

You can damage the drive if you attempt to switch on the power before you have completed all the following checks and steps.

To check the drive after unpacking

1 Check that the box contains the following equipment with the HP Series 6400 Model 1300H tape drive:

- ☐ **Two spare fuses for use in the USA and Canada**
- ☐ **A fusecap and three spare fuses for use outside the USA and Canada**
- ☐ **A power cord**
- ☐ **A cassette**
- ☐ **A cleaning cassette**

2 Inspect the equipment for any physical damage which may have occurred during shipment.

If any equipment is missing or damaged, tell your Hewlett-Packard Sales Office and file a claim with the carrier. Keep the shipping carton for the carrier to inspect.

3 Save the shipping carton and packing for future use.

To position the drive

Choose a place for the drive which satisfies the following points:

- The ventilator slots at the front of the drive and the grille at the rear must not be obstructed, so that the drive has adequate ventilation.
- The drive should be in a position where the temperature is relatively stable, for example, away from open windows, fan heaters, and doors. See Looking after Cassettes in chapter 2 for more details.
- The cable-run between the host and drive should be as short as possible. See chapter 4 for further details about cabling restrictions.

To change the HP-IB address

When the host computer needs to communicate with a peripheral device, it is essential that it can find the correct one, so each device must be allotted a unique number. This is called the HP-IB address.

- The 1300H is preset to HP-IB address 3 on delivery.
- You only need to change the preset address if you already have a device with address 3 connected to your computer.

If you need to, change the address as follows:

1 Switch off the drive by the switch on the front panel (see the fold-out inside the front cover of this manual).

2 Choose an address which is not already being used by a device on the system.

3 Turn the HP-IB Address Selector on the rear panel (see the fold-out inside the front cover of this manual) until it displays the address you have chosen.

4 After changing the HP-IB address, switch the drive off and then on again. The address is only read by the electronics of the tape drive when the drive is switched on.

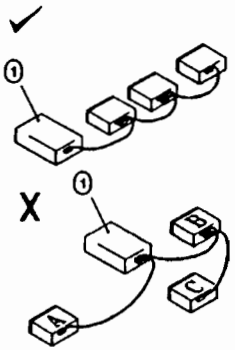
To connect to the host computer

If you have several peripherals (such as disk drives, printers and plotters) connected to your computer, connect them in a linear configuration (like a chain), with the computer at the start of the chain. Do not connect the peripherals to the computer in a star configuration (so that several HP-IB cables radiate from the computer). Figure 1 shows the difference between linear and star configurations. "1" indicates the host computer. The star configuration can easily be changed to linear by connecting peripheral A to peripheral C.

Figure 1

Connect the peripherals in a chain, with the computer (1) at the start of the chain

Do not connect the peripherals in a star, with several cables radiating from the computer



The tape drive should be connected with an HP-IB cable no longer than 2 meters. Keep all HP-IB cable runs as short as possible. See chapter 4 for further information about HP-IB restrictions.

1. Connect one end of the HP-IB cable to the socket on the rear panel of the tape drive (see the fold-out inside the front cover of this manual).
2. Screw in the two retaining knobs on the plug with your fingers to secure the plug. Do not use a screwdriver to tighten them; the screwdriver slots are only there as an aid to removal.
3. Connect the other end of the cable to the HP-IB socket on the computer, or, if there are peripherals already attached to the computer, to the socket on the peripheral at the end of the chain. In this second case, attach the plug onto the back of the connector already attached to the peripheral.

To adjust the Voltage Select Switch

Caution To avoid damage, set the correct voltage before connecting power.

The Voltage Select switch is on the rear panel of the tape drive and can be set to 115 V or 230 V. The switch is usually preset to 115 V for the USA, and 230 V for Europe. The 115 V setting covers a voltage range of 100 to 120 V. The 230 V setting covers 200 to 240 V.

If the setting is incorrect for the local power supply, slide the switch to the right or left so that it shows the correct voltage.

To check the fuse

When shipped, the drive is fitted with a 3 A Fast Blow, 250 Volt Rating fuse (6 x 30 mm). This fuse is suitable for the USA and Canada. If the drive is to be used outside the USA and Canada, you need to replace the fuse with a T3.15 A Slow Blow, 250 Volt Rating fuse (5 x 20 mm), whatever voltage setting you are using. This fuse, together with its fusecap (part number 2110-0638), is supplied in the accessories packet.

If you need to change the fuse, proceed as follows:

1 Ensure that the drive is turned off by checking that the Line ~ switch is *out* — see the diagram of the front panel inside the front of this manual .

2 Disconnect the power cord, if the drive has already been in use.

3 Locate the fusecap (rear panel). Using a small screwdriver, press in the central part of the fusecap, and twist it counter-clockwise. This allows the fusecap to spring out. Remove the fusecap with your fingers.

4 If you are fitting the different fuse type, take the fusecap and fuse from the accessories packet. Insert the fuse into the cap.
If you are replacing a blown fuse with a new one, discard the old fuse and insert a new fuse of the correct type into the fusecap.

5 Fit the fusecap and fuse into their hole on the rear panel. Using the screwdriver, press the fusecap and twist it clockwise, so that it catches securely.

6 If you disconnected the power cord, connect it again.

To connect to the power supply

To connect the drive to the power supply, proceed as follows:

1 Ensure that the tape drive is switched off by checking that the Line ~ switch (Front Panel) is *out*.

2 Plug the power cord securely into the socket labeled ~AC Line on the rear panel of the drive.

3 Plug the other end of the power cord into the power supply outlet.

2

Using the 1300H Tape Drive

Using the 1300H Tape Drive

This chapter covers the operation of the drive, the care of cassettes, the front panel lights, and warning signals displayed on the front panel lights.

Note Because of the variety of applications and systems available, this manual does not describe the commands you will use to back up and transfer your data. See your software and systems manuals for this information.

Switching On

Once you have completed the steps in chapter 1, you can switch the drive on by pressing *in* the Line ~ switch on the front panel (see the fold-out inside the front cover of this manual).

The tape drive now performs a self-test routine, after which the Drive (lower) light goes out and the drive is ready to accept a tape cassette.

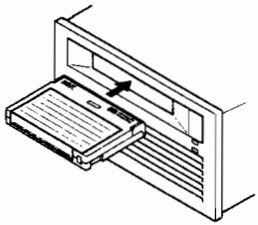
Loading and Unloading Cassettes

Inserting a Cassette

Caution Only cassettes labeled "DDS" should be used in the drive. *Do not* use cassettes labeled "DAT", because the media is not certified and therefore integrity cannot be guaranteed. Also, DAT cassettes have a different mechanical specification which can cause them to jam in the mechanism. You should also ensure that only one label is stuck to the label area of the cassette. Never use non-standard labels, and never stick anything to the cassette other than in the label area.

To load the cassette, insert it into the slot in front of the drive with the label uppermost—see figure 2. Use *minimum* force when doing this.

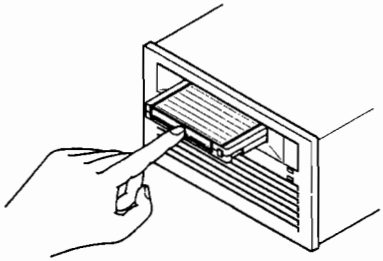
Figure 2



The orientation for inserting a cassette

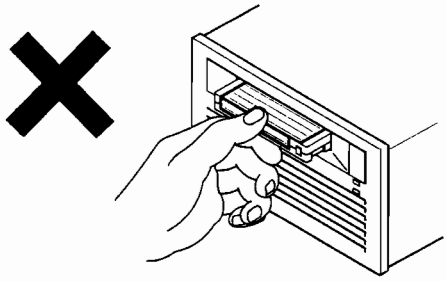
Make sure the cassette is located squarely in the slot (not at an angle). Single-finger pressure on the rear of the cassette will allow the autoloading mechanism to take the cassette and load it into the drive—see figure 3.

Figure 3



Completing the Load procedure

Caution Do not restrain the cassette when pushing it into the drive—see below. This can cause it to jam in the mechanism.



When you insert a cassette, the drive automatically loads it into the drive mechanism, threads the tape, and performs a short load sequence. This examines and tests the tape and read/write circuitry. The load sequence takes about 25 seconds.

During the load sequence, both front panel lights pulse green.

When the load sequence is finished, the Cassette (upper) light remains lit a steady green, or yellow if the cassette is write-protected. The Drive (lower) light goes out until the host computer accesses the drive.

Removing the Cassette

A cassette can be unloaded by either pressing the Unload button (Front Panel), or in response to an HP-IB REMOTE UNLOAD command from the host computer.

This starts a sequence which winds the tape to the beginning, unthreads the tape, and ejects the cassette. The sequence takes about 10 seconds.

During the unload sequence, both front panel lights pulse green, unless the cassette is write-protected, when the Cassette (upper) light pulses yellow.

Store the cassette in its plastic case after use.

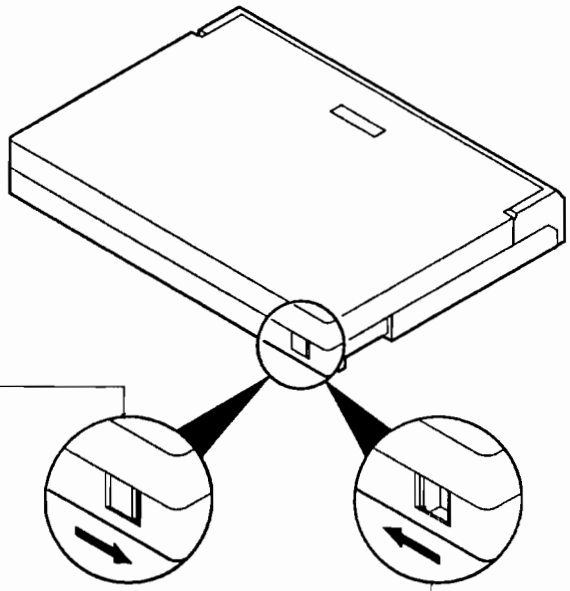
Write-Protecting Cassettes

If you want to protect the data on a cassette from being altered or overwritten you can write-protect the cassette.

To write-protect a cassette, slide the tab on the rear of the cassette so that the recognition hole is open, as shown in figure 4.

If a cassette is write-protected, the Cassette (upper) light is yellow instead of green while the cassette is in the drive.

Figure 4



Caution Write-protection will not prevent a cassette being erased by bulk-erasure or degaussing.

Looking after Cassettes

Use Hewlett-Packard cassettes which conform to Hewlett-Packard's high standards for ensuring data integrity. Chapter 4 gives ordering details.

- Do not touch the tape, or attempt to clean the tape path or tape guides inside the cassette.
- Do not leave cassette tapes in excessively dry or humid conditions.
- Do not leave tapes in direct sunlight or in places where magnetic fields are present (for example, under telephones or near transformers).
- Do not drop cassettes or handle them roughly.
- Do not stick more than one label onto cassettes; extra labels could cause the cassettes to jam in the tape drive.
- Store cassettes in their plastic cases when not in use.
- Always keep the cassettes in a clean environment.
- Do not use cassettes beyond their useful life. See the Caution Signal section in chapter 4 for details about this.

Temperature

Only use cassettes at temperatures between 5°C (40°F) and 40°C (113°F). You can, however, store them at temperatures down to – 40°C (– 40°F).

If you expose cassettes to temperatures outside the operating limits, stabilize them before you use them. To do this, leave the cassettes in the operating temperature for a minimum of two hours.

To avoid temperature problems, observe these guidelines:

- Position the drive according to the recommendations in chapter 1.
- Avoid leaving cassettes in severe temperature conditions, for example in a car standing in bright sunlight.
- Avoid transferring data (reading from and writing to cassettes) when the temperature is changing by more than 10°C per hour.

Front Panel Lights

The two lights on the front panel can each show either green or yellow. The upper light relates to the cassette—whether it is loading or loaded, whether it is write-protected, and whether it may need replacing. The lower light relates to the drive, and indicates drive activity.

Both lights can also display diagnostic information in the event of a fault.

The tables inside the front cover of this manual show all the possible combinations of the lights and their meanings.

Normal Operation

In normal operation with a cassette that is not write-protected, the following sequence is typical:

Table 1

Meaning	Lights	
Loading	Pulse Green Pulse Green	Cassette light (upper) Drive light (lower)
Cassette loaded, no activity	Steady Green Steady Green	
Activity (including interaction with the host computer)	Steady Green Flash Green	"Pulse" means a steady alternation of 0.5 seconds on, 0.5 seconds off. "Flash" means a variable rate of flashing on and off.
Unloading	Pulse Green Pulse Green	

Write-Protected Cassettes

If the cassette is write-protected, the normal operation is as described in table 1, but the Cassette (upper) light is yellow throughout.

Warning Conditions

Caution Signal

The Caution signal is indicated by the Cassette (upper) light alternating green for 4.5 seconds and off for 0.5 seconds, whenever it would normally display steady green. See chapter 4 for the action to take if this occurs.

High Humidity

If the humidity rises too high, both front panel lights show a steady yellow. The drive will not perform any operations requiring movement of the tape until the humidity has dropped again.

Fault Warning

If a fault is diagnosed during the self-test performed when the drive is switched on, the result is indicated by the Cassette (upper) light pulsing in groups of one, two or three yellow pulses, while the Drive (lower) light shows steady yellow.

If this happens, make a note of the pattern of pulses of the Cassette light, and tell the Service Engineer, who will be able to interpret them.

3

Maintenance

Maintenance

Caution There are no user-serviceable parts in the 1300H. Service must be carried out by trained Service Engineers.

Cleaning the Tape Heads

You should clean the tape heads at the following times:

- After every 25 hours of use.
- When the Caution signal is displayed—see the next section.

Caution Only use an HP Cleaning Cassette (HP 92283K) to clean the tape heads. Do not use swabs or other means of cleaning the heads.

Clean the heads as follows:

1 Insert the cleaning cassette into the drive. The tape drive automatically loads the cassette and cleans the heads. At the end of the cleaning cycle, the drive ejects the cassette.

2 Note the date on the label on the cleaning cassette so that you know how many times you have used it. Discard the cassette after you have used it 25 times.

Caution Signal Actions

The 1300H monitors the number of errors it has to correct when reading and writing a tape. If the number grows excessive, it can mean the tape heads need cleaning, or that the tape is nearing the end of its useful life. This is indicated by the Caution signal.

The Caution signal is displayed by the Cassette (upper) light on the front panel showing a repeating pattern of green for 4.5 seconds, then off for 0.5 seconds. If this pattern appears, first clean the tape heads as above.

Next, repeat the operation you were performing with the tape and see if the Caution signal occurs again. If it does, you should copy the data from the tape onto a new tape as follows:

1 Copy the data from the existing cassette onto disk.

2 Copy the data from the disk onto a new cassette.

3 Discard the old cassette.

Replacing the Fuse

If you are using the tape drive in the USA or Canada, you should use a 3A Fast Blow 250 Volt fuse (part number 2110-0003).

However, regulations in some other countries require a slightly different fuse, so if you are using the tape drive outside the USA and Canada, change to the fusecap and fuse (part number 2110-0638) supplied in your accessories packet.

To change the fuse, follow the instructions in the section "To check the fuse" in chapter 1.

4

Reference

Product Specification

Physical

Net Weight:	7.9 kg (17.4 lb)
Height:	107 mm nominal (4.2 in.)
Width:	325 mm (12.8 in.)
Depth:	290 mm (11.4 in.)

Performance

Interface:	HP-IB (IEEE-488)
Format:	DDS (Digital Data Storage)
Capacity:	Up to 1300 megabytes on a 60 meter cassette
Sustained Transfer Rate:	Up to 11 megabytes/minute

Power Requirements

100–120 volts or 200–240 volts at 40 watts rms
47–63 Hertz

Fuse:	3 A Fast Blow, 250 Volt Rating for the USA and Canada
	T3.15 A Slow Blow, 250 Volt Rating for countries other than the USA and Canada

Environmental Specifications

Operating Limits

Temperature:	5°C to 40°C (40°F to 104°F)
Humidity:	20% to 80% RH, non-condensing. Maximum wet bulb temperature 26°C (79°F)
Altitude:	0 to 4.6 km (0 to 15,000 ft)
Vibration:	0.21 g rms
Noise Level:	Less than 5.0 Bel soundpower

Non-operating Limits

Temperature:	– 40°C to 70°C (– 40°F to 158°F)
Humidity:	5% to 95% RH
Altitude:	0 to 15.2 km (0 to 50,000 ft)
Vibration:	2.1 g rms
Shock survival:	90 g for 3 ms duration

Safety

- CSA Certified to C22.2, Number 220
- UL Listed UL 1950 1st Edition
- Complies with IEC 950
- TUV/GS Certified

HP-IB Considerations

The exchange of data between a host computer and the 1300H is at a high transfer rate. Because of this high rate, the following restrictions and cautions apply to devices connected to the HP-IB:

- *All* AC line switches (both on the computer and on peripherals) should be switched *off* when connecting and disconnecting devices.
- *All* devices on the system must be switched ON for any transfer of data at a high transfer rate. If the transfer is at a lower rate (e.g. to a floppy disk drive or to a printer), at least two-thirds of the devices on the HP-IB should be switched *on*.
- The HP-IB cables which connect devices should be as short as possible. For this reason, only use HP-IB cables of 2 m or less.
- Do not switch any device ON or OFF while there is activity on the HP-IB.

Shielded cables must be used in order to prevent Radio Frequency Interference (RFI). All HP-IB cables which are sold by Hewlett-Packard are completely shielded. See the Federal Communications Commission statement at the front of this manual.

Supplies and Accessories

It is advisable to keep a supply of cassettes and cleaning materials in stock at all times. The following HP products are recommended for use with the HP Series 6400 Model 1300H drive. They are listed with their part numbers.

Cassettes

Hewlett-Packard cassettes (box of five)	HP 92283A
Cleaning Cassette	HP 92283K

Spare Fuses

3A Fast Blow 250V (USA and Canada)	2110-0003
T3.15-250V (outside USA and Canada)	2110-0638

Cables (HP-IB)

0.5m	HP 10833D
1m	HP 10833A
2m	HP 10833B

Ordering Information

The list on the next page gives addresses and telephone numbers of the main computer supplies centers. Further telephone numbers will be found in the list of worldwide Sales Offices at the end of this manual.

The telephone numbers in the following list are given in the standard format: **(ccc) rrr-nnnnnnnn**. **(ccc)** is the country code and should be used when calling from outside the country. **rrr** is the regional code. If you are in the country, you may need to prefix the regional code with zero. **nnnnnnnn** is the actual telephone number.

Australia/New Zealand
Hewlett-Packard (Australia) Ltd.
31-41 Joseph St.
Blackburn, Victoria 3130
Melbourne
Tel: (61) 3-895 2895

Austria
Hewlett-Packard Ges.m.b.H
Lieblgasse 1
P.O.Box 72
A-1222 VIENNA
Tel: (43) 222-2500 0

Belgium
Hewlett-Packard Belgium S.A./N.V.
Boulevard de la Woluwe 100
Woluwedal
B-1200 BRUXELLES
Tel: (32) 2-761 31 11

Canada
Hewlett-Packard (Canada) Ltd.
6877 Goreway Drive
MISSISSAUGA
Ontario L4V IM8
Tel: (416) 678 9430

Denmark
Hewlett-Packard A/S
Datevej 52
DK-3460 BIRKERØD
Tel: (45) 2-81 66 40

Europe/Africa/Middle East
Hewlett-Packard S.A.
150, Rue du Nant d-Avril
1217 Meyrin 2
Geneva, Switzerland
Tel: (41) 22 780 8111

Far East
Hewlett-Packard Asia Ltd.
22/F Bond Center
West Tower
89 Queensway, Central
Hong Kong
Tel: (852) 5 848-7777

Finland
Hewlett-Packard Oy
Piispankalliontie 17
02200 ESPOO
Tel: (358) 0-88721

France
Hewlett-Packard France
Parc d'Activité du Bois Briard
2, avenue du Lac
91040 EVRY CEDEX
Tel: (33) 1-69 91 80 00

Germany
Hewlett-Packard GmbH
Herrenberger Straße 130
D-7030 BÖBLINGEN
Tel: (49) 7031 14-0

Italy
Hewlett-Packard Italiana S.p.A.
Prodotti Ausiliari
Via G. di Vittorio 9
20063 CERNUSCO MILAN
Tel: (39) 2-921 991

Japan
Yokogawa-Hewlett-Packard Ltd.
15-7, Nishi Shinjuku 4-chome
Shinjuki-ku, Tokyo 160
Tel: (81) 3 5371 1351

Latin America
Hewlett-Packard
Latin American Region HQ
Monte Pelvoux No. 111
Lomas de Chapultapec
11000 Mexico D.F. Mexico
Tel: (52) 5 202 0155

The Netherlands
Hewlett-Packard Nederland B.V.
Startbaan 16
1187 XR AMSTELVEEN
Tel: (31) 20-547 6911

Norway
Hewlett-Packard Norge A/S
P.O.Box 34
Østerndalen 16/18
N-1345 ØSTERÅS
Tel: (47) 2-24 60 90

Spain
Hewlett-Packard Española SA
Venta de Fungibles y Piezas
Apartado 68
Carretera Nacional VI
E-28230 LAS ROZAS, Madrid
Tel: (34) 1-637 4013
(34) 1-637 0011

Sweden
Hewlett-Packard Sverige AM
Skalholtsgatan 9, Box 19
S-16493 Kista
Tel: (08) 750 20 20

Switzerland
Hewlett-Packard (Schweiz) AG
Allmend 2
CH-8967 WIDEN
Tel: (41) 57-31 21 11
(41) 57-31 73 74

United Kingdom
Hewlett-Packard Ltd.
Cain Road, Bracknell
BERKSHIRE RG12 1HN
Tel: (44) 344-363344

USA
Hewlett-Packard Company
4 Choke Cherry Road
ROCKVILLE, MD 20850
Tel: (301) 670-4300
Hewlett-Packard Company
5161 Lankershim Boulevard
NORTH HOLLYWOOD, CA 91601
Tel: (818) 505-5600
Hewlett-Packard Company
5201 Tollview Drive
ROLLING MEADOWS, IL 60008
Tel: (708) 255-9800
Hewlett-Packard Company
2015 South Park Place
ATLANTA, GA 30339
Tel: (404) 955-1500

Glossary

address The HP-IB address is an identification number, unique to each peripheral on a computer system. The address ensures that the host computer communicates with the correct peripheral.

DAT Digital Audio Tape uses digital audio recording on cassette tapes, giving quality comparable with that of Compact Discs. It uses helical scan, where the recording heads are on a revolving drum, producing diagonal tracks of recorded information across the tape.

DDS Digital Data Storage is a format which overlays DAT to produce a means of storing computer data on cassette tapes. It was developed by Hewlett-Packard and Sony.

flash The irregular flashing of a front panel light, as opposed to "pulsing", which is regular.

host The computer or computer system which controls the 1300H tape drive.

HP-IB The Hewlett-Packard Interface Bus. An interface standard for transfer of data between the host computer and peripherals—Hewlett-Packard's implementation of IEEE Standard 488–1978.

interface The method of joining computer equipment and peripherals together to allow them to communicate with each other. In the case of the 1300H, the interface is the HP-IB.

peripherals Devices controlled by a host computer, usually through cables, but not physically part of the host computer (for example, printers, plotters, disk and tape drives).

pulse A regular pulsing of a front panel light, ½-second on, ½-second off, as opposed to "flashing" which is irregular.

self-test A sequence of tests which the drive runs when you switch it on in order to check that it is functioning correctly.

stabilizing The process of leaving tapes in a new environment for a minimum of 2 hours before using them, so that they adapt to the new temperature and humidity. This helps avoid problems of condensation.

write-protect A method of preventing information being erased from a tape or being added to the tape.

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