

Addendum to Installing Your Model 6426-A Cartridge Tape Subsystem

042-000239-00

This addendum updates manual 014-001211-00 to 014-001211-01.
See the updating instructions.

Ordering No. 042-000239
Copyright © Data General Corporation, 1988
All Rights Reserved
Printed in the United States of America
Rev.00, June 1988



014-001211-01

Notice

DATA GENERAL CORPORATION (DGC) HAS PREPARED THIS DOCUMENT FOR USE BY DGC PERSONNEL, CUSTOMERS, AND PROSPECTIVE CUSTOMERS. THE INFORMATION CONTAINED HEREIN SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT DGC'S PRIOR WRITTEN APPROVAL.

DGC reserves the right to make changes in specifications and other information contained in this document without prior notice, and the reader should in all cases consult DGC to determine whether any such changes have been made.

THE TERMS AND CONDITIONS GOVERNING THE SALE OF DGC HARDWARE PRODUCTS AND THE LICENSING OF DGC SOFTWARE CONSIST SOLELY OF THOSE SET FORTH IN THE WRITTEN CONTRACTS BETWEEN DGC AND ITS CUSTOMERS. NO REPRESENTATION OR OTHER AFFIRMATION OF FACT CONTAINED IN THIS DOCUMENT INCLUDING BUT NOT LIMITED TO STATEMENTS REGARDING CAPACITY, RESPONSE-TIME PERFORMANCE, SUITABILITY FOR USE OR PERFORMANCE OF PRODUCTS DESCRIBED HEREIN SHALL BE DEEMED TO BE A WARRANTY BY DGC FOR ANY PURPOSE, OR GIVE RISE TO ANY LIABILITY OF DGC WHATSOEVER.

IN NO EVENT SHALL DGC BE LIABLE FOR ANY INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES WHATSOEVER (INCLUDING BUT NOT LIMITED TO LOST PROFITS) ARISING OUT OF OR RELATED TO THIS DOCUMENT OR THE INFORMATION CONTAINED IN IT, EVEN IF DGC HAS BEEN ADVISED, KNEW OR SHOULD HAVE KNOWN OF THE POSSIBILITY OF SUCH DAMAGES.

CEO, DASHER, DATAPREP, DESKTOP GENERATION, ECLIPSE, ECLIPSE MV/4000, ECLIPSE MV/6000, ECLIPSE MV/8000, GENAP, INFOS, MANAP, microNOVA, NOVA, PRESENT, PROXI, SWAT, and TRENDVIEW are U.S. registered trademarks of Data General Corporation; and AOSMAGIC, AOS/VSMAGIC, AROSE/PC, ArrayPlus, BusiGEN, BusiPEN, BusiTEXT, CEO Connection, CEO Drawing Board, CEO DXA, CEO PXA, CEO Wordview, CEOwrite, COBOL/SMART, COMPUCALC, CSMAGIC, DASHER/One, DASHER/286, DATA GENERAL/One, DESKTOP/UX, DG/500, DG/AROSE, DGConnect, DG/DBUS, DG/Fontstyles, DG/GATE, DG/GEO, DG/L, DG/UX, DG/XAP, ECLIPSE MV/1400, ECLIPSE MV/2000, ECLIPSE MV/7800, ECLIPSE MV/10000, ECLIPSE MV/15000, ECLIPSE MV/20000, FORMA-TEXT, GATEKEEPER, GDC/1000, GDC/2400, microECLIPSE, microMV, MV/UX, PC Liaison, RASS, REV-UP, SPARE MAIL, TEO, TEO/3D, TEO/Electronics, TURBO/4, UNITE, and XODIAC are trademarks of Data General Corporation.

Addendum to
Installing Your Model 6426-A Cartridge Tape Subsystem
042-000239-00



Installing Your Model 6426-A Cartridge Tape Subsystem

Ordering No. 014-001211
Copyright © Data General Corporation, 1988
All Rights Reserved
Printed in the United States of America
Rev. 01, June 1988

Notice

DATA GENERAL CORPORATION (DGC) HAS PREPARED THIS DOCUMENT FOR USE BY DGC PERSONNEL, CUSTOMERS, AND PROSPECTIVE CUSTOMERS. THE INFORMATION CONTAINED HEREIN SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT DGC'S PRIOR WRITTEN APPROVAL.

DGC reserves the right to make changes in specifications and other information contained in this document without prior notice, and the reader should in all cases consult DGC to determine whether any such changes have been made.

THE TERMS AND CONDITIONS GOVERNING THE SALE OF DGC HARDWARE PRODUCTS AND THE LICENSING OF DGC SOFTWARE CONSIST SOLELY OF THOSE SET FORTH IN THE WRITTEN CONTRACTS BETWEEN DGC AND ITS CUSTOMERS. NO REPRESENTATION OR OTHER AFFIRMATION OF FACT CONTAINED IN THIS DOCUMENT INCLUDING BUT NOT LIMITED TO STATEMENTS REGARDING CAPACITY, RESPONSE-TIME PERFORMANCE, SUITABILITY FOR USE OR PERFORMANCE OF PRODUCTS DESCRIBED HEREIN SHALL BE DEEMED TO BE A WARRANTY BY DGC FOR ANY PURPOSE, OR GIVE RISE TO ANY LIABILITY OF DGC WHATSOEVER.

IN NO EVENT SHALL DGC BE LIABLE FOR ANY INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES WHATSOEVER (INCLUDING BUT NOT LIMITED TO LOST PROFITS) ARISING OUT OF OR RELATED TO THIS DOCUMENT OR THE INFORMATION CONTAINED IN IT, EVEN IF DGC HAS BEEN ADVISED, KNEW OR SHOULD HAVE KNOWN OF THE POSSIBILITY OF SUCH DAMAGES.

CEO, DASHER, DATAPREP, DESKTOP GENERATION, ECLIPSE, ECLIPSE MV/4000, ECLIPSE MV/6000, ECLIPSE MV/8000, GENAP, INFOS, MANAP, microNOVA, NOVA, PRESENT, PROXI, SWAT, and TRENDVIEW are U.S. registered trademarks of Data General Corporation; and AOSMAGIC, AOS/VSMAGIC, AROSE/PC, ArrayPlus, BusiGEN, BusiPEN, BusiTEXT, CEO Connection, CEO Drawing Board, CEO DXA, CEO PXA, CEO Wordview, CEOwrite, COBOL/SMART, COMPUCALC, CSMAGIC, DASHER/One, DASHER/286, DATA GENERAL/One, DESKTOP/UX, DG/500, DG/AROSE, DGConnect, DG/DBUS, DG/Fontstyles, DG/GATE, DG/GEO, DG/L, DG/UX, DG/XAP, ECLIPSE MV/1400, ECLIPSE MV/2000, ECLIPSE MV/7800, ECLIPSE MV/10000, ECLIPSE MV/15000, ECLIPSE MV/20000, FORMA-TEXT, GATEKEEPER, GDC/1000, GDC/2400, microECLIPSE, microMV, MV/UX, PC Liaison, RASS, REV-UP, SPARE MAIL, TEO, TEO/3D, TEO/Electronics, TURBO/4, UNITE, and XODIAC are trademarks of Data General Corporation.

SHOCKWATCH is a U.S. registered trademark of Detectors, Inc.

Installing Your Model 6426-A Cartridge Tape Subsystem
014-001211-01

Revision History:

Original Release - February 1988

First Revision (Addendum 042-000239-00) - June 1988

Updating Instructions

This addendum (042-000239) to *Installing Your Model 6426-A Cartridge Tape Subsystem* contains new information that will update the manual from revision 00 to revision 01.

To update your copy of 014-0001211, discard old manual pages and insert new addendum pages as follows:

Discard

Title/Notice

1 through 6

17 through 18

Insert

Title/Notice

1 through 6

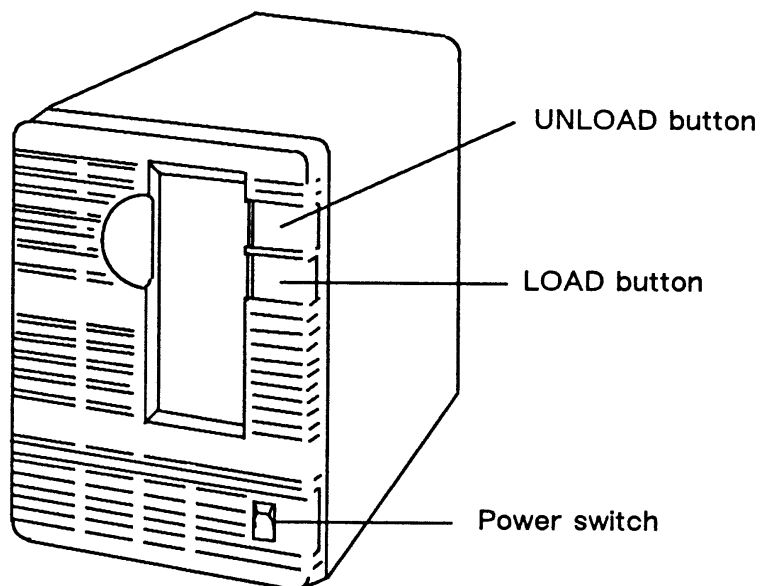
17 through 18

Introduction

This book shows you how to set up and connect the Model 6426-A cartridge tape subsystem to the peripheral bus in a host computer system or in a Data General peripheral bus subsystem, and how to test the subsystem. It is written for the system manager or the person responsible for installing your system.

NOTE *In some manuals, the peripheral bus is referred to as the SCSI bus.*

Model 6426-A cartridge tape subsystem



INT-01750

Prerequisite in ECLIPSE MV/2000™ DC or DS/7500 Series Systems

To use the tape subsystem, an ECLIPSE MV/2000 DC or DS/7500 Series computer system must have a system processor board with 4 megabytes of onboard memory. You can tell if your system board has 4 megabytes of memory by looking at the system name on the front of the computer unit. If the words *ECLIPSE MV/2000 DC* or *DS/75XX* (where *XX* specifies the model number) are *yellow*, your system board has 4 megabytes of onboard memory, and your computer system can use the tape subsystem. If these words are *tan*, and you want to install a tape subsystem, you must upgrade your system with a new system board.

NOTE *If the system board has 4 megabytes of onboard memory, the label on the SCP media for the computer system will contain the words MV2DC_II & DS7500_II instead of MV2000DC or DS/7500.*

Getting Started

Before you begin the installation procedure, there are a few things you should know about the cartridge tape subsystem. The subsystem communicates with its host computer system over a peripheral bus. It can share this bus with other compatible tape and disk storage subsystems. These subsystems are connected together on the bus by peripheral bus cabling that goes from subsystem to subsystem, *daisy-chaining* the subsystems together. The total length of the bus cannot exceed 23 feet, including the internal length of the bus in the host chassis and in each subsystem cabinet *plus* the external length of the interface and daisy-chain cabling.

Each tape drive on the peripheral bus must have a unique device identifier (DID) to prevent conflicts in accessing the drives. Jumpers on the drive select the DID. To accommodate the most common case — a single tape drive on the bus — each compatible tape drive is shipped with the jumpers selecting the same DID, the one for the primary tape device. If you are configuring more than one tape drive on the peripheral bus, you will need the assistance of a Data General field engineer to change the jumpers and DIDs of the additional drives.

The device code for a 6426-A cartridge tape subsystem in an ECLIPSE MV/1400™ DC, ECLIPSE MV/2000 DC, or DS/7500 Series computer system is always 63 (unit 0). For a 6426 cartridge tape subsystem in other ECLIPSE MV systems, the device code depends on the system configuration, and is selected by jumpers on the subsystem's host adapter board. The Data General field engineer, who installs the subsystem's host adapter board, sets these jumpers to the appropriate device code.

NOTE The ECLIPSE MV/1400 DC, ECLIPSE MV/2000 DC, and DS/7500 Series computer systems support a maximum tape record size of 16 Kbytes. Other ECLIPSE MV systems support a maximum record size of 32 Kbytes for tapes written on a 6426 cartridge tape subsystem. To ensure compatibility of these cartridge tapes across all ECLIPSE MV systems, you should not write the tapes with records larger than 16 Kbytes.

The rest of this introduction lists the tools you will need to install the subsystem in an ECLIPSE MV/1400 DC, ECLIPSE MV/2000 DC, or DS/7500 Series computer system, and additional documentation that you might find useful. It also summarizes the installation procedure and tells how to contact Data General for assistance. After you have gathered the tools and any additional documentation you might want, you should look at the sections "Summary of Procedure" and "Contacting Data General." Then turn to the section "Reviewing Site and Unpacking Equipment" before you begin to unpack your Model 6426-A cartridge tape subsystem.

Tools

You need a 1/8-inch flathead screwdriver to secure the peripheral bus cable to the Model 6426-A tape subsystem.

Small flathead screwdriver (1/8")



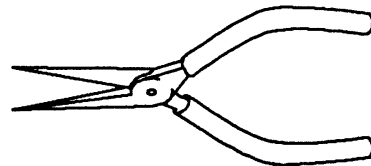
INT-01748

If you are connecting the tape subsystem to an ECLIPSE MV/1400 DC, ECLIPSE MV/2000 DC, or DS/7500 Series computer system, you will also need a 1/4-inch flathead screwdriver and a needlenose pliers.

Medium flathead screwdriver (1/4")



Needlenose pliers



INT-01749

You will also need a 130-Mbyte cartridge tape to perform the test at the end of this manual.

Additional Documentation

You may want to refer to the following documentation during the installation:

- *Operator's Guide Model 6352 Cartridge Tape Drive* (DGC No. 014-001256), which tells how to operate and maintain the tape subsystem.
- Setting up or installing manual for your computer system.
- Documentation for your operating system.

If you want to order additional manuals, contact your local Data General sales representative.

If you want to order or obtain information on maintenance and service documentation, contact your local Data General sales or service representative.

Summary of Procedure

- The sections listed below tell you how to perform the following tasks:

Section

Tasks

“Reviewing Site and
Unpacking Equipment”

Steps 1–3

- ☐ Review the installation site, check the SHOCKWATCH® label, unpack, inventory, and inspect the equipment.

“Installing Tape Subsystem”

Step 1

- ☐ Prepare the computer unit or Data General peripheral bus subsystem, if present, for expansion.

Steps 2–3

- ☐ Connect the peripheral bus cable and the power cord to the tape subsystem.

Step 4

- ☐ Connect the peripheral bus cable to the peripheral bus connector pins in the host computer system or other Data General peripheral bus subsystem.

Step 5

- ☐ Close the computer unit or the peripheral bus subsystem.

Steps 6–7

- ☐ Plug the cabinet’s power cord into an ac power outlet.

“Starting Tape Subsystem”

Steps 1–3

- ☐ Turn on the tape subsystem and the computer unit.

— “Testing Tape Subsystem”

Steps 1–5

- ☐ Test the tape subsystem.

Contacting Data General

If you have a problem that you cannot solve, contact Data General at 1-800-DG HELPS.

If you have comments on this manual, please use the prepaid Comment Form that appears at the back. We want to know what you like and dislike about this manual.

Tape Subsystem Specifications

This section lists the mechanical, electrical, and environmental specifications. It also lists the device code and device identification number for the tape subsystem. Refer to the *Operator's Guide Model 6352 Cartridge Tape Drive* for the performance specifications of the tape drive.

Device Identification Number (DID) 6 (primary tape device)

Mechanical Specifications

Width	6.50 in. (0.165 m)
Depth	15.25 in. (0.387 m)
Height	10.25 in. (0.26 m)
Weight	30 lbs (13.61 kg)

Electrical Specifications

Power Type	100 V ac	120 V ac	220/240 V ac
Voltage range	+15/-10%	+/-15%	+/-15%
Line frequency	47—63 Hz	47—63 Hz	47—63 Hz
Current (maximum)	3 A	3 A	1.5 A
Power consumed (maximum)	100 W	100 W	100 W
Inrush current (maximum)	30 A 1/2 cycle	30 A 1/2 cycle	30 A 1/2 cycle
Heat output	170 W 580.2 Btu/h	170 W 580.2 Btu/h	170 W 580.2 Btu/h

Environment

Temperature

Operating	50 — 131°F (10 — 38°C)
Storage	-40 — 149°F (-40 — 65°C)
Shipping	-40 — 149°F (-40 — 65°C)

Humidity (noncondensing)

Operating	20 — 80%
Storage	5 — 95%

Maximum

Wet Bulb 29°C

Altitude 0 — 10,000 ft (3.048 km)