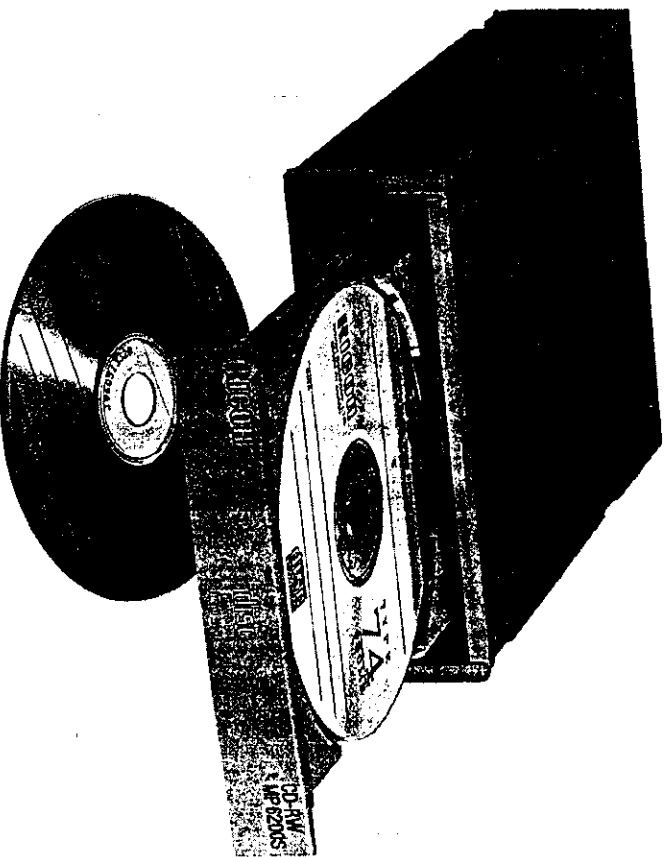


RICOH®

MEDIA MASTER™

CD-REWRITABLE TECHNOLOGY

Dual Function
CD-ReWritable Drive
CD-Recordable Drive



Ricoh Consumer Products Group
475 Lillard Drive • Sparks, NV 89434
Tel 702.352.1600

INSTALLATION MANUAL



Declaration of Conformity

"The Product complies with the requirements of the EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC."

STATEMENT OF COPYRIGHT INFRINGEMENT NOTICE

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OVERVIEW

- The Ricoh MediaMaster allows you to create CDs in a wide variety of formats.
- Back-up your hard drive onto CD-RW or CD-R discs for easy, portable back-up.
 - Copy your favorite music or other audio information onto a CD for playback.
 - Convert .WAV files to Red Book (CD audio) files and save them on a CD.
 - Store digital images or other files on discs readable on any standard CD-ROM drive using CD-R discs.
 - Save data in a "mixed mode" format which combines audio and data on one CD.
 - Read commercial or self-produced CDs at 6X speed.

INTRODUCTION

WELCOME

Thank you for purchasing the Ricoh MediaMaster CD-Rewritable kit, and welcome to the Ricoh family. You have purchased one of the best built, best supported CD-RW rewriters/recorders available today. Because we care about you as a customer, please take a moment to complete the enclosed registration card and mail it back to us. This will register your warranty for the MediaMaster and give you access to Ricoh's technical support personnel. Also, please take a few moments to read through this short manual before you get started installing your new MediaMaster; it's well worth your time!

INTRODUCING CD-REWRITABLE

What is CD-Rewritable? Simply put, CD-Rewritable (or CD-RW) allows you to record and re-record computer data or music on the same CD-RW disc, up to 1,000 times! The MediaMaster is a multi-functional CD recorder, which means that it's capable of recording the rewritable (CD-RW) discs, and the write-once CD-Recordable (CD-R) discs. The MediaMaster can also read and play regular stamped discs, CD-R discs and CD-RW discs at up to 6X speed.

CAUTION

CD-RW discs are not compatible with regular CD-ROM drives and CD players. Recorded CD-RW discs are fully compatible with Multi-Read CD-ROM and DVD-ROM drives. If you need to create a CD that can be read/played by standard CD-ROM drives, please use a CD-R disc in the MediaMaster for that application. Recorded CD-R discs are fully compatible with regular CD-ROM drives and CD players. If you need to interchange CD-RW discs, please ensure that the destination CD-ROM drive is Multi-Read compatible.

The Ricoh MediaMaster is easy to install and use. The following sections guide you through step-by-step, and also include some tips for first time CD creation.

KIT CONTENTS

This kit contains everything required to create your own CD:

- Ricoh MP 6200S Internal CD-Recorder / Re-Writer unit with 1MB buffer.
- Drive mounting hardware.
- PE Logic PEL-1600 SCSI-2 Host Adapter with external pass-through.
- Internal SCSI cable.
- PE Logic ASPI Manager.
- 1 blank Ricoh 650MB/74min. CD-R disc.
- 1 blank Ricoh 650MB/74min. CD-RW disc.

SOFTWARE

- Adaptec Easy-CD Pro95
- Adaptec DirectCD drive letter access packet writing software for Windows 95
- Seagate Software Backup Exec back-up software for Windows 95

MINIMUM REQUIREMENTS

System requirements for the Ricoh MediaMaster vary depending upon platform used:

GENERAL REQUIREMENTS

- Windows 95
- IBM compatible 486/25
- 8MB RAM
- 16MB of free disk space
- Open 5-1/4" mass storage bay
- 1 hard drive with disk access less than 20ms/transfer 800kb/sec.
- 1 open 16-bit ISA slot

CUSTOMER SUPPORT - SCSI2 HOST ADAPTER

If you have any questions or problems installing the SCSI2 host adapter, please refer to your PE Logic manual or phone (714) 282-6196. Website: www.pelogic.com

CUSTOMER SUPPORT FOR RICOH MEDIAMASTER

If you have any questions or problems about the installation of the Ricoh MediaMaster, contact Ricoh Corporation's Customer Support as follows:

Phone: (702) 352-1694
(Monday-Friday 7am-5pm PST)
Faxback: (800) 442-8796
Website: www.ricohcpg.com
Email: tech_support@ricohcpg.com

SUPPORT CALL CHECKLIST

Please have the following information readily available when contacting Ricoh Corporation's Customer Support:

- Type of CPU.
- Version of Windows used.
- Any other software or adapter cards presently installed in your system.
- Note any error messages or steps taken which lead up to the problem.
- Please be at your computer when you call.

DRIVE INSTALLATION

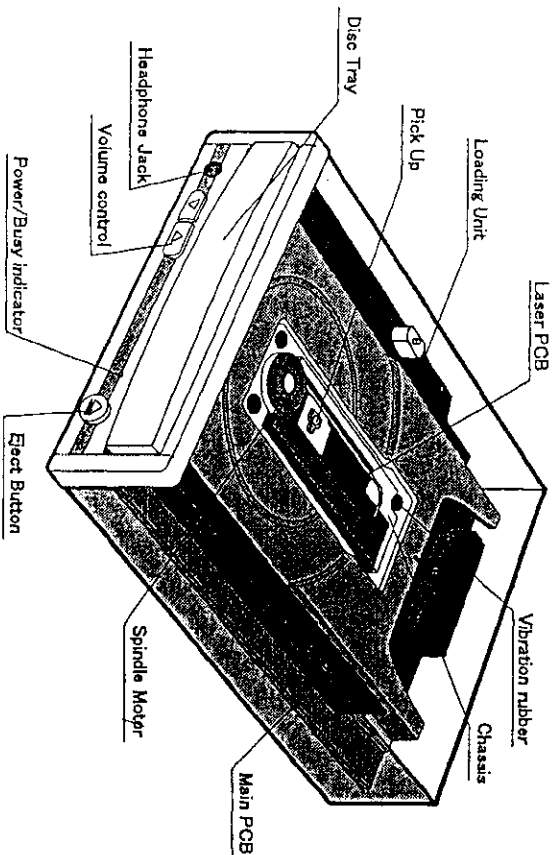
- 1) Install your PEL-1600 SCSI Adapter Card in accordance with the manufacturer's instructions.
- 2) Mount your Ricoh MediaMaster CD-RW drive horizontally in an available 5-1/4" bay, using the mounting screws provided in your kit.
- 3) Connect one end of the SCSI cable provided in your kit to the SCSI connector located in the back of your drive.
- 4) Connect the drive to the SCSI Host Adapter Card in accordance with the instructions provided in your PE Logic User's Guide.
- 5) Install the PE Logic ASPI Manager in accordance with the instructions provided in your PE Logic Software Installation Guide.

DRIVE CONSTRUCTION & INSTALLATION

DRIVE CONSTRUCTION

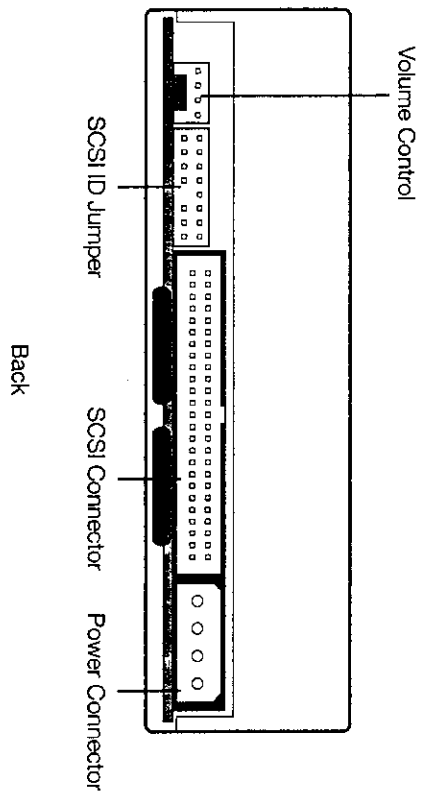
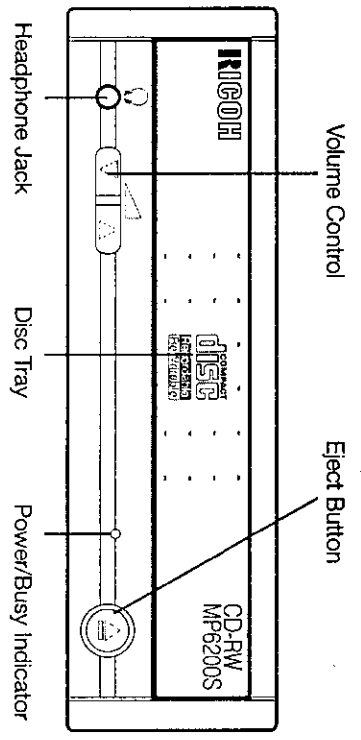
Basic Construction

The Compact Disc Recorder / Rewriter Drive: MP 6200S consists of the following parts shown below:



Connector

The Connectors are located as shown below. The function of each part is also described below:



Disc Tray

This is the tray for the disc. Place the disc on the ejected disc tray, then lightly push the tray (or push the eject button) and the CD will be loaded.

! Don't use force to pull out or push in the disc tray. This might cause damage to the loading section of the drive.

Eject Button

This is the button used to eject or bring in the disc tray.

Power / Busy Indicator

This indicator light shines green when power is on. When the disc tray or disc is being accessed, the light shines or flashes orange. Even when a disc is loaded or a disc is not being accessed, the light shines green. When an illegal disc is loaded or some hardware trouble occurs, the indicator light blinks.

Headphone Jack

This jack is for connecting headphones or mini-speakers.

Volume Control

This is used to adjust the output volume of the headphone jack. It can't be used to adjust the output volume for the audio output connectors on the rear panel.

Power Connector

Used to connect to the host computer's power supply (DC 5V)

! Be careful not to reverse the power connector when attaching it. A reversed connection may cause damage to the equipment (not covered by the warranty).

SCSI Connector

Use a 50-pin double-end flat SCSI cable to connect to the SCSI interface.

! Connecting or disconnecting connectors while power is on may result in a short circuit, causing damage to the equipment. When connecting or disconnecting connectors, make sure to turn off the power beforehand.

SCSI ID Jumper

Used when selecting the SCSI ID number. Don't use jumpers to change anything besides the SCSI ID, but keep the drive as initially set (no jumper pins: ID 0). SCSI ID changes become valid after power is turned off, then turned on again.

! Installing jumper pins besides the ones for SCSI ID settings may be the cause of damage or abnormal drive operation.

TROUBLESHOOTING

SCSI Installation

- If you're having problems installing the SCSI card, or the Ricoh drive, before you call technical support, read through this check list to make sure everything was installed correctly.
- Check all the cable connections again. Most initial problems will result from a misplaced cable.
- Make sure the SCSI card is seated correctly in an ISA slot. Do not plug the enclosed SCSI card into a VLB or PCI slot.
- Take note of the setting on the PE Logic PEL-1600 card. Make sure you have no other hardware conflicting at these settings.
- For more information, refer to the PE Logic PEL-1600 Installation Guide.

CD RECORDING TIPS

- Do not touch the data side of the disc when handling the media.
- Avoid swapping media. We recommend leaving the media in the caddy until the creation session is complete.
- To check your settings, try running a simulated write session before creating your CD.
- Avoid data stream interruptions: Make sure that Adaptec's Easy-CD Pro software is the only program running on your system while creating your CD.
- Defragment your hard drive before recording; this will ensure a steady stream of data going to the CD-Recordable/ReWritable unit.

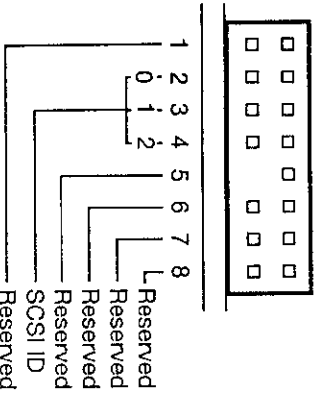


Fig. II-6 SCSI ID Jumper

The SCSI ID Jumper will be set to all OFF (Open) as factory setting.

Table II -1 SCSI ID Jumper Setting

Jumper Pin	Function	Factory Setting
1	Reserved	0 (OFF/Open)
2	SCSI ID (0)	0 (OFF/Open)
3	SCSI ID (1)	0 (OFF/Open)
4	SCSI ID (2)	0 (OFF/Open)
5	Reserved	0 (OFF/Open)
6	Reserved	0 (OFF/Open)
7	Reserved	0 (OFF/Open)
8	Reserved	0 (OFF/Open)

No. 1, 5, 6, 7, 8: Reserved

No. 2, 3, 4: SCSI ID

SCSI ID	Pin No. 2	Pin No. 3	Pin No. 4	Remark
0	OFF	OFF	OFF	Factory setting
1	ON	OFF	OFF	
2	OFF	ON	OFF	
3	ON	ON	OFF	
4	OFF	OFF	ON	
5	ON	OFF	ON	
6	OFF	ON	ON	
7	ON	ON	ON	Factory setting of SCSI Card

* ON: Terminator is attached.

OFF: Terminator is not attached.