



Portable PCMCIA

CD-RW/DVD-ROM Drive

Owner's Manual

To enjoy fully all the features and functions of your product, please read this owner's manual carefully and completely.



GCC-5240P

CAUTION : The laser used in the CD-RW/DVD-ROM drive can damage your eyes.
Do not attempt to open the cover.
To reduce the risk of electric shock, do not remove cover (or back).
No user-serviceable parts inside.
Refer servicing to qualified service personnel.

Use of controls or performance of procedures other than those specified herein may result in hazardous radiation exposure.

WARNING : To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
The power source voltage of the AC adapter is listed on the nameplate.
Plug the AC adapter only into an outlet with proper voltage.

Industry Canada requirement

This class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

FCC COMPLIANCE STATEMENT

- Note :** 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 receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an Authorized Service Center for help.
- **FCC WARNING**
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
 - This CD-RW/DVD-ROM Drive is for use only with UL listed personal computers that have installation instructions detailing user-installation of card cage accessory.

This product is manufactured to comply with the radio interference requirements of EEC DIRECTIVE 89/336/EEC, 93/68/EEC and 73/23/EEC.

CAUTION - INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

This unit uses the following disc types with the marks:

This unit uses CD-ROM discs with the following mark.

When you use this unit as a CD player, use compact discs with the following mark.

This unit uses CD-R discs with the following mark.

This unit uses CD-RW discs with the following mark.

This unit uses High Speed CD-RW discs with the following mark

WARNING: Only Drives bearing the logo "Compact Disc ReWritable High Speed" can write or erase High Speed CD-RW media.

High Speed CD-RW media may be recognized by the same "Compact Disc ReWritable High Speed" logo on the disc label or packaging material, or by the fact that it lists recording speeds of "4X to 10X, or "Up to 10X".

Attempted writes to High Speed CD-RW Media using CD-RW Drives not bearing the logo "Compact Disc ReWritable High Speed" may result in data loss.





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 - The company names and product names written in this manual are trademarks or registered trademarks of the respective companies.
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Thank you for purchasing the Portable CD-RW/DVD-ROM drive.
Connecting this drive to your computer will allow you to write and read data to/from a CD-R, CD-RW disc, and read data from other discs, such as DVD-ROM, CD-ROM, etc.

Features

- Portable Slim CD-RW/DVD-ROM drive
- 24X Writing(CD-R), 10X Rewriting(CD-RW), 24X Reading(CD-ROM) and 8X Reading(DVD-ROM)
- Operates on the AC adapter
- Buffer Under Run error protection technology
- Emergency eject support
- Top loading system with power eject

System requirements

Make sure that your computer meets the requirements for connection of the drive. Connect the drive to the Card slot for PCMCIA Type2. You will need the following to operate this drive:

- IBM-compatible PC, Pentium 350MHz or higher
 - OS : Microsoft Windows 98 Second Edition (Windows 98 SE)
Windows 2000 Professional (Windows 2000)
Windows Millennium Edition (Windows Me)
Windows XP
 - 64 Mbytes of RAM or more
 - PC Card Slot : Notebook or desktop computer with a PCMCIA2.1 Type II or III slot.
 - Installation requires 1GBytes of free hard disk drive space
 - 3.5" floppy disk drive & mouse (Microsoft compatible)
- 

Package items

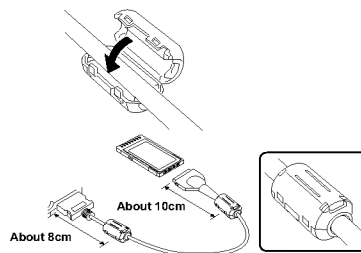
Make sure that you have all of the following components and accessories in the package:

Item	Quantity
A. CD-RW/DVD-ROM drive	1
B. PC Card (PC Card, Interface Cable)	1
C. AC Power Adapter	1
D. Writing Software (Nero Burning Rom)	1
E. DVD Player Software (Power DVD)	1
F. Set Up diskette (FD)	1
G. Quick Start Guide for Writing software	1
H. Software installation manual(PCMCIA)	1
I. Manual for drive (This manual)	1
J. Ferrite Core Filter	2

Please attach Ferrite cores

By attaching included Ferrite cores on the Interface Cable, it will decrease possible video noise and EMI.

As you attach the Ferrite cores to the Interface Cable, please close the Ferrite core firmly. Please attach Ferrite core near each end of the Interface Cable.



Important precautions

Following these precautions when handling the drive or discs.

Precautions

Please take notice that the manufacturer of this equipment does not offer any warranty against data loss due to inappropriate installation or handling or direct or indirect damages.

Please take notice that the manufacturer will bear no responsibility for direct or indirect damages caused by the use of this product or its malfunction.

Please take notice that the manufacturer will bear no responsibility for damage to data caused by this product.

Please backup(copy) all important data as protection against data loss.

Installation

Avoid placing the drive in a location subject to:

- high humidity
- high temperature
- excessive dust
- mechanical vibration
- direct sunlight

Operation

Don't move the drive suddenly from a cold place to warm one or raise the room temperature suddenly. Condensation may occur, causing abnormal operation.

Make sure to remove the disc before moving the drive. The disc may be damaged, causing data loss.

Be careful to prevent foreign objects, such as liquids or metal, from entering the drive. In case a foreign object enters the drive, please consult the dealer where the drive was purchased.

Don't interrupt the electric power while the drive is operating.

While drive is operating, don't move the drive with disc, or don't give a shock to the drive, since it becomes the cause which damages disc.

AC Adapter

Don't plug in or remove the AC adapter using wet hands.

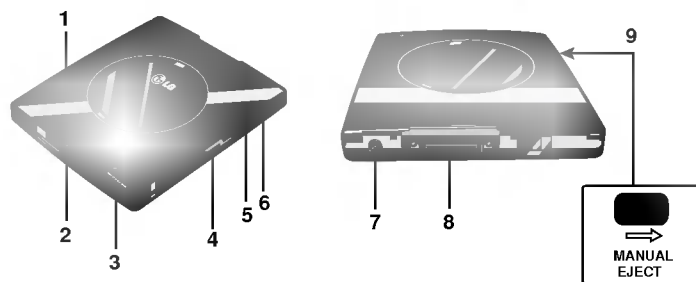
Don't damage the AC adapter by scratching, modifying, or bending its prongs.

Use only supplied AC adapter.

Don't disassemble the AC adapter.

Location and function of controls

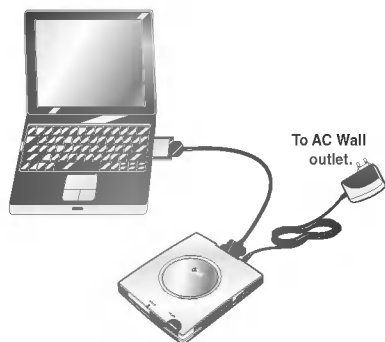
This drive should be used only in its current hardware and software configuration.



1. **Top Cover**
2. **Power Busy Indicator** – The indicator lights in green when the power to the drive is on, and the Indicator blinks when the disc is being set, or when the drive is accessing data.
3. **Eject Button** – Press this button to open the top cover. The button works only when power is applied to the drive.
4. **Power Switch** – Use this switch to turn the drive on and off.
5. **Headphone Volume Control** – Adjusts your headphone sound level.
6. **Headphone Jack**
7. **DC In Jack** – Connect the AC Adapter cable.
8. **Interface Connector** – This Interface connector is used to connect to the PC Card Connector Cable.
9. **Manual Eject Lever (Bottom side)** – When the power supply of the drive is off, push this lever in the direction of the arrow to open the top cover.

Hardware Installation

Connecting to computer



Make sure you have a personal computer with an available PC card slot before connecting the drive to your personal computer. Please refer to the device driver manual for the method of setup, and the procedure of connection.

Connect the drive to the computer as shown in figure to the left.

1. Power for all devices should be turned off before attaching the cables.
Connect the PCMCIA interface cable into the interface connector at the rear of the portable CD-RW/DVD-ROM drive.
2. Insert the interface cable card into your computer's card slot firmly.
3. Connect the AC adapter plug to the DC IN jack at the rear of the drive.
Attach the AC adapter to the AC outlet.

- **Discharge static electricity:**

Static electricity could destroy this drive or components in a computer. Therefore, before installing the drive, touch a metal object to discharge any static electricity that may have charged your body or clothes. In addition, avoid wearing clothes that are likely to generate static electricity, such as wool sweater.

- Please do not turn off the drive, when the drive is recognized by the computer. If you turn off the drive, Normal operation of a computer becomes impossible.
- Please do not connect AC adapter and PC card cable by any means other than specified above.
- In order to prevent a top cover opening accidentally during operation, this drive has an electric ejection mechanism. For this reason, when the power supply is off, even if someone pushes an eject button, the top cover does not open. Moreover, there may be one second or more of delay until the top cover opens, after pushing the eject button.

Software Installation for device driver

The drive includes device driver software that tells the drive how to operate from your PC.

Install the device driver using the supplied diskette "GCC-5240 Support Software" in your PC.

Refer to the manual.

Inserting and Removing the PC Card

The attached PC card supports the plug and play function of Windows, and can be removed and inserted by performing the following operation.

1. Stop the application software currently used.
2. Click the icon "Card" of the taskbar located on your screen's bottom right side.
3. Click "DuoATA Card".
4. Click "Ok" and remove the PC card.

NOTES

Don't remove the PC card when the Power busy indicator on the drive blinks, or during computer startup.

Loading and ejecting a disc

Loading a disc

1. Push the Eject Button to open the Top cover.
2. Load a disc. (Label facing up.)
Push down on the center of the disc until the disc clicks into place. Otherwise the disc may spin off the spindle and be damaged.
Please do not press too hard. Also, be careful not to touch the lens on the pick-up mechanism.
3. Close the top cover.

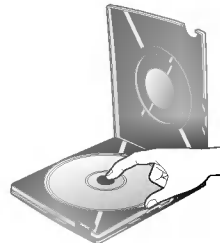


When loading a disc, press the disc's edge against the side of the spring-loaded bumper inside the disc compartment. Make sure that the disc's recording surface does not sit on top of the bumper before closing the top cover.

Ejecting a disc

Power must be applied to the drive.

1. Push the eject button to open the top cover.
The top cover will open slightly.
Carefully open the lid to the straight-up position.
2. Removing the disc. Hold one finger against the edge of the disc from the side of the drive, and press another finger against the spindle in the center of the drive to remove the disc.
3. Close the top cover.



Make sure the disc has stopped turning before trying to eject the disc.
Don't open the top cover when the power busy indicator blinks. Opening the cover while the power busy indicator blinks will stop any operation with the computer.

Playing a music CD

Listening to sound

You can also attach a pair of headphones for personal listening after setting the Analog mode. Attach headphones with a standard 1/8" stereo plug into the headphone jack on the right side of the drive.

When connected to a computer, you can play audio CD's through your computer's audio system after setting Digital Audio mode.

Use Windows or "Windows Media Player" manual for detail. And, refer to "Setting of Digital Audio" in Software Installation manual.

Playing DVD video and MPEG2 movie video

The drive must be connected to a computer, and basic installation already done. Install the supplied application software 'Power DVD' in your PC.

Inserting the provided disc will automatically start installation. Follow the wizard. After installation, remove the Power DVD disc and put it away for safekeeping. Inserting a DVD Video disc into the drive will automatically start playing the disc.

NOTES

DVD video region code:

Each region around the world has a different region number on the DVD video movies being sold in a region.

The region code can be changed to other regions up to 5 times by using the software decoder (Power DVD).

If you change the region code 5 times, the drive will lock onto the last (5th change) region code, and cannot change the drive to another region code.

This limitation is a requirement as licensees of DVD drive technology.

Troubleshooting guide

If the drive does not operate normally, check the following. Since the defect may be caused by device other than this drive, also check the devices that make up your system, the settings of application software being used, etc.

If the suggested solutions still cannot restore the drive to normal, do not attempt to repair yourself. Consult your dealer.


Problem	Possible Causes	Corrective Action
Cannot play a DVD or CD in the drive or certain types of discs cannot be read in the drive.	<ol style="list-style-type: none">1. The disc is not installed correctly.2. The disc is dirty.3. The pick-up lens is dirty.4. The disc is scratched or warped.5. The disc uses a region code that cannot be played on the drive.	<ol style="list-style-type: none">1. Reinstall the disc correctly.2. Clean the disc surface.3. Clean the pick-up lens.4. Change the disc.5. Refer to your system manual for help.
Top cover cannot be opened	<ol style="list-style-type: none">1. AC Plug is not connected to AC outlet.2. DC Plug is not connected to the DC jack.3. Power Switch is not turned on.	<ol style="list-style-type: none">1. Connect the AC plug tightly.2. Connect the DC Plug tightly .3. Turn the Power Switch on and try again.
Drive is not recognized by the system.	<ol style="list-style-type: none">1. The PC Card is not properly connected.2. Power Switch is not turned on.	<ol style="list-style-type: none">1. Make sure PC Card cable is seated properly and re-install the device driver.2. Turn the power Switch on and try again.
No sound (CD)	<ol style="list-style-type: none">1. The headphone cable is not connected.2. Volume is too low or sound is muted with software.	<ol style="list-style-type: none">1. Securely connect it to the headphone jack on this drive.2. Adjust the volume. Release muting with software.

Problem	Possible Causes	Corrective Action
Drive will not play media or certain types of CD or DVD media	<ol style="list-style-type: none">1. The disc doesn't match your system. Is the media disc the correct format for the type of system that you are using.2. Virus possibility.	<ol style="list-style-type: none">1. Check the disc format. (on a PC an ISO9660 IBM compatible PC format as opposed to Apple/Mac HFS disc or UNIX disc formats will not function)2. Has the Windows DVD-ROM software driver program been corrupted by a virus? Run a Virus Scan program and repair if possible.

Specifications

Dimensions(WxHxD)	133x21x155mm	
Weight	350g	
Interface	PCMCIA card Type 2	
Data Transfer Rate		
Read	CD-ROM	3,600 kB/s (24x) Max.
	CD-R	3,600 kB/s (24x) Max.
	CD-RW	2,250 kB/s (20x) Max.
	DVD-ROM	11.0Mbytes/s (8x) Max.
	DVD-R	5.54Mbytes/s (4x) Max.
	DVD-RW	5.54Mbytes/s (4x) Max.
Write	CD-R/RW	4xCLV 600kB/s (Mode1) CD-R/RW 10xCLV 1,500kB/s (Mode1) CD-R/RW 16xCLV 2,400kB/s (Mode1) CD-R 24xCLV 3,600kB/s (Mode1) CD-R
Access Time (Average)	CD 110ms, DVD 120ms	
Buffer Size	2Mbytes	
Compatible Media		
Read Only	CD-DA(audio CD), VIDEO CD ,CD-I CD-ROM(Mode 1, Mode 2) CD-ROM XA(Mode2 Form 2), Photo CD(Multisession), CD Extra CD-R/RW, CD-TEXT DVD-ROM(Single layer 4.7GB, Dual layer 8.5GB) DVD-R(4.7GB), DVD-RW(4.7GB)	
Read/ Write	CD-R, CD-RW	
Writing Methods	Disc-at-once, Track-at once, Multi-session, Packet Write	
Power Requirement	AC Adapter	
Input	100-240VAC, 50/60 Hz	
Output	5V 2A	
Operating Environment		
Temperature	5 to 35 degC	
Humidity	20 to 80 %	
Storage Environment		
Temperature	-20 to 55 degC	
Humidity	15% to 85% RH	

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- We have taken all possible measure to assure the quality of our products, but we cannot be responsible for the consequences if defect occurs.

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Caution!

The disc rotates at high speed in the drive unit. Use of worn, damaged, or non-standard CD-ROM discs can only adversely affect the drive and cause the disc to shatter or crush while in use. Disc crush can only occur when you use a damaged CD-ROM disc in the drive. It is an extremely rare occurrence, but there are steps which can be taken to prevent it.

Always check your discs before inserting them into the drive.

- 1. Take care not to use worn, cracked, damaged, warped or poor quality CD-ROMs, as this may cause damage to your drive.**
- 2. Check the clear plastic on the center of the disc, cracks here are the main cause of disc crush.**
- 3. Do not play CD-ROMs which are a non-standard (i.e. non-circular) shape, such as heart shaped discs, or discs in the shape of a business card.**

How can you keep your discs from becoming damaged?

- 1. When not in use, remove discs from the drive.**
- 2. Keep discs in the packaging supplied with them and out of direct sunlight and away from heat sources.**

Excessive vibration or a sudden jolt to the drive during operation may cause a malfunction.

Avoid exposing the drive to sudden changes in temperature as it may cause condensation to collect inside the drive.



Website ; <http://www.lge.com>
<http://www.LGEService.com>

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