



# *Super Multi DVD Drive*

## **Owner's Manual**

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



English

Deutsch

Français

Italiano

Español

Português



**GSA-H10A**

**⚠ CAUTION :** The laser used in the Super Multi DVD Drive can damage your eyes. Do not attempt to open the cover. To reduce the risk of electric shock, do not remove the cover (or back). There are 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.

**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 Super Multi DVD 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 - VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN.  
AVOID EXPOSURE TO THE BEAM.**

**▲ WARNING - OSYNLIG LASERSTRÄLNING NÄR DENNA DEL ÄR ÖPPNAD  
STRÅLEN ÄR FARLIG.**

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT
CLASE 1	PRODUCTO LASER
CLASSE 1	PRODOTTO LASER

The appliance is not intended for use by young children or infirm persons without supervision.

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## Features

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- Enhanced-IDE (ATAPI) interface.
- Power tray loading and ejection of disc. (The disc can also be ejected manually.)
- Combination CD-R/RW, DVD-R/RW, DVD-R DL, DVD+R/RW, DVD+R DL, DVD-RAM Drive functions into one drive.
- Supports Region playback control Phase II.
- Supports Windows 2000 Professional, ME, XP Home Edition, XP Professional.
- Automatic buffer underrun error prevention technology.

**WARNING:** Only drives bearing the logo *Compact Disc ReWritable Ultra Speed* can write or erase Ultra Speed CD-RW media.

Ultra Speed CD-RW Media may be recognized by the same *Compact Disc ReWritable Ultra Speed* logo on the disc label or packaging material.

Attempting to write to Ultra Speed CD-RW media using CD-RW drives NOT bearing the logo *Compact Disc ReWritable Ultra Speed* may result in data loss.

## Important Precautions

Follow these precautions when handling the drive or discs.

- 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 a protection against data loss.
- Avoid placing the drive in a location subject to:
  - high humidity, high temperature, excessive dust, mechanical vibration, direct sunlight
- We recommend using the drive in a horizontal or vertical position. Do not use it in tilted position.
- Don't move the drive suddenly from a cold place to a 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 become 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.
- When connecting two IDE devices to the Primary or Secondary connectors, make sure that the two devices are not configured as both Master, or both Slave. If they are both set the same, Windows may fail to run or recognize the drives.
- The total length of the IDE cable should be no more than 18 inches (about 45 cm).

## System Environment

### Computer

This unit can be operated in the system environment explained here.

System requirements	CPU: Pentium III 700MHz (Recommended system requirements for optimal performance, CPU: Pentium IV 2.4GHz or faster, Memory: 512MB or greater)
VGA Card Memory	128MB or greater.
Hard disk	20GB or more free space. (The free space needed for writing depends on the quantity of data.)
Interface	Enhanced-IDE interface (as Primary Slave, Secondary Master or Slave)
Drive bay	5.25-inch half-height bay required
Power	+5V/+12V power socket required
Software Required OS	Windows 2000 Professional/ME/XP(Home Edition/ Professional), Direct X 9.0 or Higher is required
CD-R, CD-RW, DVD-R, DVD-RW, DVD+R, DVD+RW, DVD-RAM, DVD±R DL discs	<p><b>CD-R</b> : LG, Mitsubishi Kagaku Media, Verbatim, Taiyo Yuden or TDK discs are recommended.</p> <p><b>CD-RW</b> : LG, Ricoh, Mitsubishi Kagaku Media, Verbatim discs are recommended.</p> <p><b>DVD-R</b> : Maxell, Mitsubishi Kagaku Media, Taiyo Yuden are recommended.</p> <p><b>DVD-RW</b> : JVC, Mitsubishi Kagaku Media are recommended.</p> <p><b>DVD+R</b> : Mitsubishi Kagaku Media, Verbatim are recommended.</p> <p><b>DVD+RW</b> : Mitsubishi Kagaku Media, Verbatim are recommended.</p> <p><b>DVD-RAM</b> : Maxell, Panasonic are recommended.</p> <p><b>DVD±R DL</b> : Mitsubishi Kagaku Media, Verbatim is recommended.</p>

\* Compatibility problem in write/read function may occur with media depending on the media manufacturing quality.

- Occasionally CD-R and CD-RW discs written by a CD-R/RW drive cannot be read by other CD drives\*. These unreadable discs may need to be read using the CD-R/RW drive they were created with
- \* The disc written using the CD-R/RW drive might not be readable by CD-ROMs other than Multi-read compatible (UDF compatible) CD-ROMs  
Multiread compatible (UDF compatible) CD-ROMs are:  
1. CD-ROMs that can read low reflectance. 2. CD-ROMs that support Packet Write.
- **Please note:** Certain software (i.e. particularly those including Video playback) may require a considerably increased specification PC to give acceptable results. While this Super Multi DVD Drive can read DVD-video discs, decoding them to display on your pc's monitor requires separate MPEG decoding that is done by separate hardware (either an MPEG decoder card or MPEG decoding done by your video card), or separate software that you install to do MPEG decoding. For further details, refer to the documentation that comes with MPEG software.

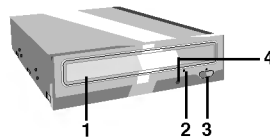
#### Software

Install the appropriate CD Recording Authoring Software before using this unit.

\* Please uninstall any previous CD burning software you may have loaded on your PC in order to prevent possible compatibility issues. Once you have installed the application software, you may (if you wish) begin to reinstall previous software, taking note for errors. We recommend using the drive with the latest software as some problems encountered when using the drive can be solved by updating the software.

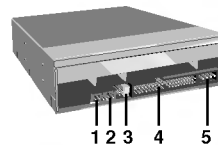
#### Location and Function of Controls

##### Front Panel



1. **Disc Tray**
2. **Emergency Eject Hole**
3. **Stop/Eject Button**
4. **Drive activity indicators**  
The LED used to indicate the operation of Super Multi DVD Drive.

##### Rear Panel



1. **Digital Audio Output Connector**  
This connector is not supported.
2. **Analog Audio Output Connector**
3. **Jumper Connector**  
This jumper determines whether the drive is configured as a master or slave. Changing the master-slave configuration takes effect after power-on reset.
4. **IDE Interface Connector**  
Connect to the IDE (Integrated Device Electronics) Interface using a 40-pin flat IDE cable.  
**NOTE :** Do not connect or disconnect the cable when the power is on, as this could cause a short circuit and damage the system. Always turn the power OFF when connecting or disconnecting this cable.
5. **Power Connector**


















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FirmWares and update the FirmWare.

P/NO. 3828HM1062M Ver. A

#### Caution!

The disc rotates at high speed in the drive unit. Use of worn, damaged, or non-standard CD-ROM discs can 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.

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