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Hitachi-LG GUD1N

Hitachi-LG GUD1N 6x DVD-RW Internal OEM Slim Optical Drive User Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Hitachi-LG GUD1N 6x DVD-RW Internal OEM Slim Optical Drive. Please read this manual thoroughly before using the product to ensure proper functionality and longevity.

KEY FEATURES

- **M-DISC Support:** Designed for M-Discs, offering enhanced data protection and longevity for stored photos, videos, and data files.
- **Silent Play Technology:** Reduces operational noise during media playback by optimizing disc spin speed.
- **Super Multi Compatibility:** Supports reading and writing of DVD+/-R, DVD+/-R DL, DVD-RW, DVD-RAM/ROM, and CD-R/ROM discs.
- **High Speed:** Features 8x DVD+/-R write speed and 6x DVD+/-R read speed.
- **Operating System Compatibility:** Fully compatible with Windows 10, Windows 11, and macOS 10.15 Catalina.
- **Slim Design:** Internal OEM slim form factor with dimensions of 128 x 127 x 9.5 mm.
- **SATA Interface:** Utilizes a standard SATA connection for data and power.

PRODUCT OVERVIEW

Front View



This image displays the front panel of the Hitachi-LG GUD1N optical drive, showing the disc tray opening, the eject button, and the activity indicator light. The 'DVD MULTI RECORDER' label is visible on the tray.

Rear/Bottom View



This image shows the rear and bottom of the optical drive. The standard SATA data and power connectors are clearly visible on the rear. The bottom surface features a product label with various certifications and model information.

Tray Open View with Disc



This image illustrates the optical drive with its disc tray fully extended, revealing a DVD placed inside. This view

demonstrates how discs are loaded into the drive.

Label Details



A detailed view of the product label located on the bottom of the drive. It displays critical information such as the manufacturer (Hitachi-LG Data Storage, Inc.), model (GUD1N), serial number (S/N: 101H1LW142456), manufacturing date, power requirements (5V === 1.8A), and various regulatory compliance marks (CE, FCC, RoHS, TÜV, EAC, etc.).

SETUP AND INSTALLATION

This section outlines the general steps for installing the Hitachi-LG GUD1N internal optical drive into a compatible computer system. Specific steps may vary depending on your computer's chassis design.

- 1. Prepare Your System:** Power off your computer and disconnect all cables. Open the computer case according to your system's manufacturer instructions.
- 2. Locate Drive Bay:** Identify an available 5.25-inch slim drive bay in your computer case. Some systems may require an adapter bracket for 9.5mm slim drives.
- 3. Mount the Drive:** Carefully slide the optical drive into the chosen drive bay. Secure it with screws or the system's tool-less locking mechanism. Ensure the drive is firmly seated.
- 4. Connect Cables:** Connect a SATA data cable from the optical drive to an available SATA port on your motherboard. Connect a SATA power cable from your power supply unit to the optical drive.

5. **Close Case and Power On:** Once all connections are secure, close your computer case, reconnect all cables, and power on your system.
6. **Driver Installation:** In most modern operating systems (Windows 10/11, macOS), the drive will be automatically detected and drivers installed. If not, check your operating system's device manager for any issues.

OPERATING INSTRUCTIONS

Inserting a Disc

1. Press the eject button on the front panel of the optical drive. The disc tray will open.
2. Place the disc (CD, DVD, M-DISC) onto the tray with the label side facing up. Ensure it is centered on the spindle.
3. Gently push the tray back into the drive until it clicks shut. The drive will automatically begin to read the disc.

Ejecting a Disc

1. **Software Eject:** In your operating system, navigate to 'This PC' or 'My Computer', right-click on the optical drive icon, and select 'Eject'.
2. **Hardware Eject:** Press the eject button on the front panel of the optical drive.
3. Once the tray opens, carefully remove the disc.

Reading and Writing Data

- **Reading:** After inserting a disc, your operating system will typically prompt you with options to play media or open the disc's contents. You can also access the disc through 'This PC' or 'Finder'.
- **Writing (Burning):** To write data to a blank CD-R/RW, DVD+/-R/RW, or M-DISC, you will need compatible burning software. Follow the instructions provided with your chosen software to create data discs, audio CDs, or video DVDs.

MAINTENANCE

- **Cleaning the Drive:** Use a soft, dry, lint-free cloth to gently wipe the exterior of the drive. Do not use liquid cleaners or abrasive materials. Avoid opening the drive casing.
- **Disc Handling:** Always handle discs by their edges. Avoid touching the data surface. Store discs in protective cases away from direct sunlight, extreme temperatures, and humidity.
- **Firmware Updates:** Periodically check the Hitachi-LG support website for any available firmware updates for your GUD1N drive. Firmware updates can improve performance and compatibility.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drive not detected by OS	Loose cables, incorrect installation, driver issue	Check SATA data and power cable connections. Ensure the drive is properly seated in the bay. Restart your computer. Check Device Manager for errors and update/reinstall drivers if necessary.
Disc tray does not open/close	Power issue, mechanical obstruction	Ensure the drive has power. Check for any physical obstructions in the tray mechanism. Use the emergency eject hole (if available) with a straightened paperclip.
Cannot read/write discs	Dirty/damaged disc, incompatible disc type, drive lens dirty, software issue	Try a different disc. Ensure the disc type is supported by the drive. Clean the disc. Ensure your burning software is up-to-date and configured correctly.
Drive makes excessive noise	Unbalanced disc, drive vibration, Silent Play not active	Ensure the disc is not warped or damaged. Verify Silent Play Technology is enabled (if applicable via software). Ensure the drive is securely mounted.

SPECIFICATIONS

Feature	Specification
Brand	Hitachi-LG
Series	GUD1N
Model Number	GUD1N.CHLA10B
Hardware Platform	PC
Operating System Compatibility	Windows 10, Windows 11, macOS 10.15 Catalina
Item Weight	4.2 ounces
Product Dimensions (LxWxH)	6.46 x 6.22 x 1.77 inches (164 x 158 x 45 mm)
Manufacturer	LG
Special Features	M DISC support, Silent Play Technology
Hardware Interface	DVD-RW (SATA)
Optical Storage Write Speed	8x
Optical Storage Read Speed	6x

WARRANTY AND SUPPORT

This Hitachi-LG GUD1N optical drive is covered by a standard manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including warranty period and claim procedures.

For technical support, driver downloads, or further assistance, please visit the official Hitachi-LG support

website or contact your retailer. You can also visit the Hitachi-LG Brand Store for more product information.