

DVD REWRITER

GH22NS40  
GH22LS40\*

OPTICAL  
DRIVE

## DVD Rewriter

## Internal SATA 22x Super-Multi SecurDisc™



### PROTECT YOUR DATA

The LG Super-Multi GH22NS40 and GH22LS40 internal SATA DVD Rewriters feature a 22x DVD±R write speed and SecurDisc technology that allows you to protect and share data securely. The GH22LS40 also includes includes LightScribe direct disc labeling which gives you the added feature of etching customized labels onto a special coated LightScribe disc (sold separately). Designed for storage needs that demand consistency, the GH22NS40 and GH22LS40 read and write in CD, DVD±R, DVD±RW, and DVD RAM formats. Burn and guard your data with LG.

### SECURDISC TECHNOLOGY

### LIGHTSCRIBE DIRECT DISC LABELING

### MAX. 22X DVD±R WRITE SPEED

### SERIAL ATA INTERFACE

### CD FAMILY AND DVD-ROM READ COMPATIBLE

### BUFFER UNDER-RUN PREVENTION FUNCTION EMBEDDED

### WINDOWS VISTA™ COMPATIBLE

 RoHS COMPLIANT



\*Only GH22LS40 includes LightScribe

#### DVD

22x

DVD±R  
MAX WRITE

8x

DVD+RW  
MAX WRITE

6x

DVD-RW  
MAX WRITE

12x

DVD-RAM  
MAX WRITE

16x

DVD-ROM  
MAX READ

16x

DVD+R DL  
MAX WRITE

12x

DVD-R DL  
MAX WRITE

#### CD

48x

CD-R  
MAX WRITE

32x

CD-RW  
MAX WRITE

48x

CD-ROM  
MAX READ

[www.LGcommercial.com](http://www.LGcommercial.com)



## THE SUPER MULTI ADVANTAGE

### Triple Compatibility

LG SuperMulti DVD Rewriter – SuperMulti optical drives can read and write three types of DVD formats in one convenient package:

1. DVD+R
2. RW DVD-R
3. RW DVD-RAM

This gives you the option to choose the media best suited for each task.

### SecurDisc - Super Multi Security

SecurDisc is an innovative technology which provides data protection and content access control on media against unauthorized use through an optical drive-software combined solution. As a result, SecurDisc provides superior defense against unauthorized access and unauthorized manipulation of sensitive data.

1. Password Protection – Helps prevent unwanted access to your data
2. Digital Signature – Verifies the authenticity of your files
3. Data Reliability – Saves your data if a disc is damaged
4. Data Integrity Check – Warns you when your disc is at risk of disc decay
5. Copy Protection – Helps prevent unwanted copying of your files

### LightScribe - Direct Disc Labeling (GH22LS40 only)

LightScribe gives you the ability to create customized labels that are etched directly onto a special coated LightScribe disc (sold separately).

## TECHNICAL SPECIFICATIONS

TYPE	Internal SATA DVD-RW/CD-RW Drive	
TRANSFER RATES - WRITE	DVD-R	2.4x, 4x (CLV), 8x (ZCLV), 12x (PCAV), 16x, 20x, *22x (CAV)
	DVD+RW	2.4x, 4x, 6x (CLV), 8x (ZCLV)
	DVD-R	2x, 4x (CLV), 8x (ZCLV), 12x (PCAV), 16x, 20x, *22x (CAV)
	DVD-RW	1x, 2x, 4x, 6x (CLV)
	DVD+R DL	2.4x, 4x (CLV), 6x, 8x (ZCLV), 10x, 12x (PCAV), 16x (CAV)
	DVD-R DL	4x (CLV), 6x, 8x (ZCLV), 10x, 12x (PCAV)
	DVD-RAM	2x, 3x (CLV), 5x, 6x, 8x, 12x PCAV (Ver. 2.0 & Higher)
	CD-R	16x (CLV), 24x (ZCLV), 40x, 48x (CAV)
	CD-RW	4x, 10x, 16x (CLV), 24x, 32x (ZCLV) (High Speed: 10x, Ultra Speed ≥ 16x)
	TRANSFER RATES - READ	DVD-ROM (Single/Dual)
DVD-Video (CSS Compliant Disc) (Single/Dual layer)		6x max.
DVD-R/+RW/-R DL		16x/12x/12x max.
DVD+R/+RW/-R DL		16x/12x/12x max.
DVD-RAM (Ver. 2.0 & Higher)		5x, 12x PCAV
CD-R/RW/ROM		48x/40x/48x max.
ACCESS TIME	CD-DA (DAE)	40x max.
	DVD-ROM	140 ms typ.
	DVD-ROM DL	175 ms typ.
	DVD-RAM (Ver. 2.0 & Higher)	130 ms typ.
SUSTAINED TRANSFER RATE	CD-ROM	120 ms typ.
	DVD-ROM	22.16 Mbytes/s (16x) max.
BUFFER SIZE	CD ROM	7,200 kB/s (48x) max.
	2MB Under-run prevention function embedded	
HOST INTERFACE	Serial ATA interface (SATA)	
	X3T13 ATA/ATAPI5/1321 D INF-8090i Rev.5.3	
LIGHTSCRIBE LABEL PRINTING (GH22LS40 only)	Pixel Resolution	600 [DPI]
	Track Resolution	400 ~ 2000 [TPI]
	Linear Velocity	0.25 ~ 1.4 [m/sec]
	Laser Power	40 [mW] as objective emission light of 780nm wavelength
	Color	Monochrome
	SECURDISC	Media:
Password Protection		
Digital Signature		
Data Integrity check		
Data Reliability (Not 100% Proof)		
Copy Protection (PDF file only, except CD-R, CD-RW media)		
Only use Bundle Tool Software (Ref. www.securdisc.net)		
OPERATING SYSTEMS	Windows Vista™, Windows XP, Windows Server 2003, Windows 2000 Professional	
	RoHS	
COMPLIANCE		
DIMENSIONS (WxHxD)	5.7" x 1.6" x 6.5"	(146 x 41.3 x 165 mm)
WEIGHT	1.8 lbs	(800g)
UPC	GH22NS40 AVAU10B (Bulk)	0 48231 31566 1
	GH22LS40 AVAU10B (Bulk)	0 58231 29188 9
	GH22LS40 AVAU10B (Bulk)	0 48231 31608 8

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SPEC\_GH22NS\_LS40\_060917\_PR

Dimensions and weights are approximate. Design, specifications, and features subject to change without notice.

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