

OPTICAL DRIVE

GH24NS50 GH24LS50

DVD REWRITER

Internal SATA 24x Super-Multi
SecurDisc™



FEATURES

SATA INTERFACE

MAX. 24X DVD±R WRITE SPEED

SECURDISC TECHNOLOGY

LIGHTSCRIBE DIRECT DISC LABELING
GH24LS50 only

RoHS COMPLIANT 

CD-R/RW, DVD-R/RW/RAM/ +R/RW +/-R DL
READ AND WRITE COMPATIBLE,
CD FAMILY AND DVD-ROM
READ COMPATIBLE

WINDOWS 7 COMPATIBLE



PROTECT YOUR DATA

The LG Super-Multi GH22NS50 and GH24LS50 internal SATA DVD Rewriters feature a 24x DVD±R write speed and SecurDisc technology that allows you to protect and share data more securely. The GH24LS50 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 GH24NS50 and GH24LS50 read and write in CD, DVD±R, DVD±RW, and DVD RAM formats. Burn and guard your data with LG.



OPTICAL DRIVE

GH24NS50 GH24LS50 DVD REWRITER



THE SUPER MULTI BLUE 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 helps provide data protection and content access control on media against unauthorized use through an optical drive-software combined solution.

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 (GH24LS50)

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	2x, 4x, 6x CLV, 8x ZCLV, 8xPCAV, 16x, 18x, 22x, 24x CAV
	DVD-R DL	2x, 4x, 6x CLV, 8x, 10x, 12x ZCLV
	DVD-RW	1x, 2x, 4x, 6x CLV
	DVD-RAM	2x, 3x ZCLV, 3x-5x PCAV (Ver.2.2), 6x ZCLV, 6x-8x PCAV, 6x-12x PCAV
	DVD+R	2.4x, 4x, 6x CLV, 8x,12x ZCLV, 8x, 12xPCAV, 16x, 18x, 22x, 24x CAV
	DVD+R DL	2.4x, 4x, 6x CLV, 8x, 10x, 12X ZCLV, 16x CAV
	DVD+RW	2.4x, 4x, 6x CLV, 8x ZCLV (High Speed DVD+RW: 6x CLV, 8x ZCLV)
	CD-R	4x, 8x, 16x CLV, 24x, 32x, 40x PCAV, 48x CAV
	CD-RW	4x, 10x,16x CLV, 24x, 32x ZCLV (High Speed: 10x, Ultra Speed: 16x, 24x, US Plus: 16x, 24x, 32x)
	TRANSFER RATES-READ	DVD-R/RW/ROM(SL/DL) 16x/13x/16x/12x max.
	DVD-R DL	12x max.
	DVD-RAM	2x/ 2x, 3x-5x PCAV, 6x CLV, 6x-8x PCAV, 6x-12x PCAV
	DVD-Video	4.8x max. (Single/Dual layer)
	DVD+R/+RW	16x / 13x max.
	DVD+R DL	12x max.
	CD-R/RW/ROM	48x/40x/48x max.
	CD-DA	40x max.
	80mm CD	10x max
	ACCESS TIME	DVD-ROM 145ms (typ.)
		DVD-ROM DL 220ms (typ.)
		DVD-RAM(Ver. 2.0 & Higher) 270ms (typ.)
		CD-ROM 125ms (typ.)
	SUSTAINED	DVD-ROM 22.16 Mbytes/s (16x) max.
	TRANSFER RATE	CD ROM 7,200 kB/s (48x) max.
BUFFER SIZE	2MB Under-run prevention function embedded	
HOST INTERFACE	Serial ATA interface (SATA)	
	T13 ATA/ATAPI-7,MMC-6, INF-8090i v7	
LIGHTSCRIBE	Pixel Resolution	600 [DPI]
LABEL PRINTING (GH20LS50)	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: CD-R, CD-RW, DVD+R,DVD-R,DVD+RW,DVD-RW, DVD+R DL,DVD-R Dual, DVD-RAM	
	Password Protection	
	Digital Signature	
	Data Integrity check	
	Data Reliability (Not 100%Proof)	
	Copy Protection (PDF file only , except CD-R, CD-RWmedia)	
	Only use Bundle Tool Software (Ref.www.securdisc.net)	
	OPERATING SYSTEM	
	Windows 7, Windows Vista™, Windows XP, Windows 2003 Server, Windows 2008 Server	
COMPLIANCES	RoHS	
DIMENSIONS (W X H X D)	5.7" x 1.6" x 6.5" (146 x 41.3 x 165 mm)	
WEIGHT	1.5 lbs (700g)	

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

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