

DVD REWRITER

GH22NS50
GH22LS50

OPTICAL
DRIVE

DVD Rewriter

Internal SATA 22x Super-Multi with SecurDisc™



PROTECT YOUR DATA

The LG Super-Multi GH22NS50 and GH22LS50 internal SATA DVD Rewriters feature a 22x DVD±R write speed and SecurDisc technology that allows you to protect and share data securely. The GH22LS50 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 GH22NS50 and GH22LS50 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
GH22LS50 only

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



DVD							CD		
22x	8x	6x	12x	16x	16x	12x	48x	32x	48x
DVD±R MAX WRITE	DVD+RW MAX WRITE	DVD-RW MAX WRITE	DVD-RAM MAX WRITE	DVD-ROM MAX READ	DVD+R DL MAX WRITE	DVD-R DL MAX WRITE	CD-R MAX WRITE	CD-RW MAX WRITE	CD-ROM MAX READ

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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 (GH22LS50)

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, 8x, 12x, 16x, 18x, 20x, 22x 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 ZCLV, 8x, 12x, 16x, 18x, 20x, 22x 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 145 ms typ.
	DVD-ROM DL 220 ms typ.
	DVD-RAM (Ver. 2.0 & Higher) 270 ms typ.
	CD-ROM 125 ms typ.
SUSTAINED TRANSFER RATE	DVD-ROM 22.16 Mbytes/s (16x) max.
	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 LABEL PRINTING (GH20LS50)	
	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: 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-RW media) Only use Bundle Tool Software (Ref. www.securdisc.net)
OPERATING SYSTEMS	Windows Vista™, Windows XP
COMPLIANCE	RoHS
DIMENSIONS (WxHxD)	5.7" x 1.6" x 6.5" (146 x 41.3 x 165 mm)
WEIGHT	1.5 lbs (680g)

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SPEC_GH22NS/NL50_060911_PR

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

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