

BLU-RAY DISC REWRITER

WH14NS40

OPTICAL
DRIVE

Blu-ray™ Disc Rewriter

Internal SATA 14x Super Multi Blue



Read and write Blu-ray discs at 14x with the WH14NS40 that allows you to record up to 128GB of files, photos, or documents onto a quad-layer BD-R disc. SATA interface technology allows for easier integration and faster performance while M-DISC™ provides superior reliability in data storage that is perfect for archiving important data.

14X BD-R WRITE CAPABILITY

SERIAL ATA INTERFACE

WRITE AND READ QUAD, TRIPLE, DOUBLE LAYER BD-R DISCS

M-DISC SUPPORT

MAX. 16X DVD±R WRITE SPEED

BLU-RAY DISC, DVD, AND CD FAMILY READ/WRITE COMPATIBLE

4 MB BUFFER UNDER-RUN PREVENTION FUNCTION EMBEDDED



RoHS COMPLIANT

CYBERLINK SOFTWARE INCLUDED

Power2Go

PowerDVD

PowerBackup

PowerProducer

3D BLU-RAY TITLE PLAYBACK



BLU-RAY DISC			DVD						CD		
14x	2x	12x	16x	8x	6x	5x	16x	8x	48x	24x	48x
BD-R [S/DL] MAX WRITE	BD-RE MAX WRITE	BD-ROM MAX READ	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	CD-R MAX WRITE	CD-RW MAX WRITE	CD-ROM MAX READ

LG.com



THE SUPER MULTI BLUE ADVANTAGE

Multi Blue Compatibility

LG Super Multi Blue optical drives can read and write four types of disc formats in one convenient package:

1. DVD+R
2. RW DVD-R
3. RW DVD-RAM
4. Blu-Ray Disc

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

Blu-Ray

Blu-ray Disc is the next generation in optical storage, offering 25GB and 50GB of storage capacity on a disc.

BDXL™

The BDXL format supports high-capacity blu-ray discs (up to 128GB write-once discs) for users that need to store a large amount of data.

Serial ATA Technology

Serial ATA is a 1.5Gbps evolutionary replacement for the Parallel ATA physical storage interface used to connect storage devices, such as hard disks, DVD and CD rewriters to the PC motherboard. Serial ATA is scalable, enables design of smaller PCs, and will allow future enhancements to the computing platform.

M-DISC

Compared to other recordable DVDs on the market today, M-DISC offers superior reliability in data storage that provides the permanent optical data storage solution.

TECHNICAL SPECIFICATIONS

TYPE	Super Multi Blue Internal SATA 14x Blu-ray Disc Rewriter
TRANSFER RATES-WRITE	
BD-R (SL)	2x, 4x CLV, 6x, 8x, 10x PCAV, 12x PCAV, 14x CAV
(DL/ TL&QL)	2x, 4x CLV, 6x, 8x PCAV, 12x CAV/ 2x, 4x CLV, 6x ZCLV
BD-R (SL L to H)	2x, 4x CLV, 6x PCAV
BD-RE (SL/DL/TL)	2x CLV/ 2x CLV
DVD-R	2x, 4x CLV, 8x ZCLV, 8x, 12x PCAV, 16x CAV
DVD-R DL	2x, 4x CLV, 8x PCAV
DVD-RW (SL)	1x, 2x, 4x, 6x CLV
DVD-RAM	2x, 3x, 5x CLV
M-DISC	4x
DVD+R	4x CLV, 8x, 12x PCAV, 16x CAV
DVD+R DL	2.4x, 4x CLV, 8x PCAV
DVD+RW	2.4x, 4x, 6x CLV, 8x ZCLV
CD-R	8x, 16x CLV, 24x, 32x, 40x PCAV, 48x CAV
CD-RW	4x, 10x, 16x CLV, 24x ZCLV
TRANSFER RATES - READ	
BD-ROM (SL/DL)	12x / 8x CAV
BD-R (SL L to H)	6x CAV
BD-R (SL/DL)	12x / 8x CAV
BD-R (TL/QL)	6x / 6x CAV
BD-RE (SL/DL)	8x / 6x CAV
BDMV (AACs Compliant Disc)	12x
DVD-ROM (SL/DL)	16x / 12x CAV
DVD-R (SL/DL)	16x / 12x CAV
DVD-RW (SL)	12x CAV
DVD+R (SL/DL)	16x / 12x CAV
DVD+RW (SL/DL)	12x CAV
DVD-RAM	2x, 3x, 5x CLV
M-DISC	12x
DVD-Video (CSS Compliant Disc)	12x / 8x CAV (SL/DL)
CD-R/RW/ROM	48x / 40x / 48x CAV
CD-DA (DAE)	40x CAV
80mm CD	11.5x CAV
ACCESS TIME	
BD-ROM	180 ms typ.
DVD-ROM	160 ms typ.
DVD-RAM	180 ms typ.
CD-ROM	150 ms typ.
SUSTAINED RATE	
BD-ROM	> 62.93 MB/s (>14x)
DVD-ROM	22.16 Mbytes/s (16x) max.
CD-ROM	7,200 kB/s (48x) max.
BURST TRANSFER RATE	
	1.5Gbps bits/s (10b side)
	1.2Gbps bits/s (8b side)
BUFFER SIZE	
	4 MB Buffer Under-run prevention function embedded
HOST INTERFACE	
	Serial ATA (Serial ATA 1.1a)
COMPLIANCE	
	RoHS
OPERATING SYSTEMS	
	Windows XP, Windows Vista™, Windows 7
DIMENSIONS (W x H x D)	
	5.7" x 1.6" x 6.5" (146 x 41.3 x 165mm)
WEIGHT	
	1.65 lb (750g)
SOFTWARE	
(Bulk Drive Only)	CyberLink Power2Go
	CyberLink PowerDVD
	CyberLink PowerBackup
	CyberLink PowerProducer
UPC	
	(Bare) 058231307795
	(Bulk) 058231309331

