

BLU-RAY DISC REWRITER

BH14NS40

OPTICAL
DRIVE

Blu-ray™ Disc Rewriter

Internal SATA 14x Super Multi Blue
LightScribe



Read and write Blu-ray discs at 14x with the BH14NS40 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(tm) 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



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

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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.

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 (AACIS 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
SPECIAL FEATURES	LightScribe Disc Labeling	
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	CyberLink Power2Go CyberLink PowerDVD CyberLink PowerBackup CyberLink PowerProducer	
UPC	058231306590	

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TECHNOLOGY

SPECIFICATIONS