

Blu-ray™ Disc Rewriter

Internal SATA 16x Super Multi Blue

► **BH16NS40**



Read and write Blu-ray discs at 16x with the BH16NS40 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.

16X BD-R Write Capability

Serial ATA Interface

Write and Read Quad, Triple, Double Layer BD-R Discs

M-DISC (DVD) Support

Max. 16X DVD±R Write Speed

Blu-ray Disc, DVD, and CD Family Read/Write Compatible

4MB Buffer & 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		
16x	2x	12x	16x	8x	8x	6x	5x	16x	48x	24x	48x
BD-R (SL) MAX WRITE	BD-RE MAX WRITE	BD-ROM MAX READ	DVD±R MAX WRITE	DVD±R DL MAX WRITE	DVD+RW MAX WRITE	DVD-RW MAX WRITE	DVD-RAM MAX WRITE	DVD-ROM MAX READ	CD-R MAX WRITE	CD-RW MAX WRITE	CD-ROM MAX READ

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THE SUPER MULTI BLUE ADVANTAGE

Super Multi Blue Compatibility

LG Super Multi Blue optical drives can read and write most type of disc formats, including DVD M-DISC and BDXL™, that are in the market today. 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 (DVD)

M-DISC offers high reliability and long-lasting optical data storage.

TRANSFER RATES-WRITE	Model	BH16NS40
	Type	Super Multi Blue Internal SATA 16x Blu-ray Disc Rewriter
	BD-R (SL)	2x, 4x CLV, 6x, 8x, 10x PCAV, 12x CAV, 16x CAV
	BD-R (DL)	2x, 4x CLV, 6x, 8x PCAV, 12x CAV
	BD-R (TL)	2x, 4x CLV, 6x ZCLV
	BD-R (QL)	2x, 4x CLV, 6x ZCLV
	BD-R (SL LTH)	2x, 4x CLV, 6x PCAV
	BD-RE (SL/DL/TL)	2x CLV
	DVD-R (SL)	2x, 4x CLV, 8x, 12x PCAV, 16x CAV
	DVD-R (DL)	2x, 4x CLV, 8x PCAV
	DVD-RW	1x, 2x, 4x, 6x CLV
	DVD-RAM	2x, 3x, 5x CLV
	M-DISC (DVD)	4x CLV
	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 LTH)	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 / 8x CAV (SL/DL)
	DVD-ROM (SL/DL)	16x / 12x CAV
	DVD-R (SL/DL)	16x / 12x CAV
	DVD-RW	12x CAV
	DVD+R (SL/DL)	16x / 12x CAV
	DVD+RW (SL/DL)	12x CAV
	DVD-RAM	2x, 3x, 5x CLV
	M-DISC (DVD)	12x CAV
	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	180ms typ.
	DVD-ROM	160ms typ.
	DVD-RAM	180ms typ.
	CD-ROM	150ms typ.
SUSTAINED TRANSFER RATE	BD-ROM	53.94MB/s (12x) max.
	DVD-ROM	22.16 MB/s (16x) max.
	CD-ROM	7.2 MB/s (48x) max.
BURST TRANSFER RATE		1.5Gbps (10-bit symbols)
BUFFER SIZE		4MB (Buffer Under-run prevention function embedded)
HOST INTERFACE		Serial ATA
COMPLIANCE		RoHS
OPERATING SYSTEMS		Windows XP, Windows Vista™, Windows 7, Windows 8, Windows 8.1
DIMENSIONS (WxHxD)		5.7" x 1.6" x 6.5" (146 x 41.3 x 165mm)
WEIGHT		1.65 lbs (750g)
SOFTWARE		CyberLink Power2Go
		CyberLink PowerDVD
		CyberLink PowerBackup
		CyberLink PowerProducer
UPC		719192625143

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

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