

Blu-ray™ Disc Rewriter

Internal SATA 16x Super Multi Blue

▶ **WH16NS40**



Write Blu-ray discs at 16x with the WH16NS40 with confidence. SATA interface technology allows for easier integration and faster performance while M-DISC™ (DVD) 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)

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.

		Model	WH16NS40	
TRANSFER RATES- WRITE	Type	Super Multi Blue Internal SATA 16x Blu-ray Disc Rewriter		
	BD-R (SL)	2x, 4x CLV, 6x, 8x, 10x P-CAV, 12x CAV, 16x CAV		
	BD-R (DL)	2x, 4x CLV, 6x, 8x P-CAV, 12x CAV		
	BD-R (TL)	2x, 4x CLV, 6x ZCLV		
	BD-R (QL)	2x, 4x CLV, 6x ZCLV		
	BD-R (SLTH)	2x, 4x CLV, 6x P-CAV		
	BD-RE (SL/DL/TL)	2x CLV		
	DVD-R (SL)	2x, 4x CLV, 8x, 12x P-CAV, 16x CAV		
	DVD-R (DL)	2x, 4x CLV, 8x P-CAV		
	DVD-RW	1x, 2x, 4x, 6x CLV		
	DVD-RAM	2x, 3x, 5x CLV		
	M-DISC (DVD)	4x CLV		
	DVD+R	4x CLV, 8x, 12x P-CAV, 16x CAV		
	DVD+R (DL)	2.4x, 4x CLV, 8x P-CAV		
	DVD+RW	2.4x, 4x, 6x CLV, 8x ZCLV		
	CD-R	8x, 16x CLV, 24x, 32x, 40x P-CAV, 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 (Bulk Drive Only)	CyberLink Power2Go, CyberLink PowerDVD, CyberLink PowerBackup, CyberLink PowerProducer			
UPC	Bulk	058231311983		
	Bare	058231310238		



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Customer Service: 888.865.3026
www.lg.com/us/support

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