

Blu-ray™ Disc Rewriter

Internal SATA 16x Super Multi Blue

► WH16NS40



Read and write Blu-ray discs at 16x with the WH16NS40 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 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

3D Blu-Ray Title Playback

BLU-RAY DISC			DVD						CD		
16x	2x	12x	16x	8x	6x	5x	16x	8x	48x	24x	48x
BD-R (SL) 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 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.

TRANSFER RATES-WRITE (MAX)	Model	WH16NS40
	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
	(DL/ TL&QL)	2x, 4x CLV, 6x, 8x PCAV, 12x CAV/2x, 4x CLV, 6x ZCLV
	BD-R (SL LTH)	2x, 4x CLV, 6x PCAV
	BD-RE (SL/DL/TL)	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 (MAX)	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
ACCESS TIME (RANDOM)	80mm CD	11.5x CAV
	BD-ROM	180 ms typ.
	DVD-ROM	160 ms typ.
	DVD-RAM	180 ms typ.
SUSTAINED TRANSFER RATE	CD-ROM	150 ms typ.
	BD-ROM	> 62.93 MB/s (>14x)
	DVD-ROM	22.16 Mbytes/s (16x) max.
BURST TRANSFER RATE	CD-ROM	7,200 kB/s (48x) max.
		1.5Gbps bits/s (10b side)
BUFFER SIZE		1.2Gbps bits/s (8b side)
HOST INTERFACE		4 MB Buffer Under-run prevention function embedded
COMPLIANCE		Serial ATA
OPERATING SYSTEMS		RoHS
DIMENSIONS (WxHxD)		Windows XP, Windows Vista™, Windows 7, Windows 8
WEIGHT		5.7" x 1.6" x 6.5" (146 x 41.3 x 165mm)
UPC		1.65 lb (750g)
		058231310238



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

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