

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
80mm CD		11.5x CAV
ACCESS TIME (RANDOM)		
BD-ROM		180 ms typ.
DVD-ROM		160 ms typ.
DVD-RAM		180 ms typ.
CD-ROM		150 ms typ.
SUSTAINED TRANSFER 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
COMPLIANCE		RoHS
OPERATING SYSTEMS		Windows XP, Windows Vista™, Windows 7, Windows 8
DIMENSIONS (WxHxD)		5.7" x 1.6" x 6.5" (146 x 41.3 x 165mm)
WEIGHT		1.65 lb (750g)
UPC		058231310238



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

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