

External Blu-ray / DVD Writer

3D Blu-ray Disc Playback
& M-DISC™ Support

▶ BE16NU50



The Super-Multi Blue Advantage

The LG BE16NU50 Blu-ray / DVD Writer features USB 2.0 connectivity with a 6x BD-R write speed, USB 3.0 connectivity with a 16x BD-R write speed and M-DISC support. Simply plug in and record up to 128GB of files, photos, or business documents onto a BDXL(quad layer) disc. With Blu-ray, DVD and CD burning capabilities, the BE16NU50 gives you the option to choose the media best suited for each task.

Silent Play Reduces Noise from Disc Spin During Movie Playback

Support 3D Blu-ray Disc Playback

Support BDXL (128GB Quad Layer) Disc

Jamless Play Smooths Out Playback of Damaged Blu-ray or DVD Discs

Max. 16X BD-R Write Write Speed

Max. 16X DVD±R Write Speed

Blu-ray Disc Read/Write Compatible, DVD (Including M-DISC & DVD-RAM) and CD Family Read/Write Compatible

4MB Buffer Under-Run Prevention Function Embedded

RoHS Compliant

BLU-RAY DISC			DVD							CD			
16x	2x	12x	16x	8x	8x	6x	5x	4x	16x	12x	48x	24x	48x
BD-R (SL) Max Write	BD-RE Max Write	DVD±R Max Write	DVD±R Max Write	DVD±R DL Max Write	DVD+RW Max Write	DVD-RW Max Write	DVD-RAM Max Write	M-Disc Max Write	DVD±R Max Read	M-Disc Max Read	CD-R Max Write	CD-RW Max Write	CD-ROM Max Read

www.LG.com/us/commercial

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Compatibility

The LG BE16NU50 Blu-ray / DVD Write optical drives can read and write all kinds of BD formats and read and write all kinds of DVD/CD formats in one convenient package:

1. BD-R SL/DL/TL/QL, RE SL/DL/TL
2. DVD-R/-RW/+R/+RW
3. DVD-RAM
4. CD-R/RW

This gives you the option to choose the media best suited for each task.

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.

M-DISC™

Compared to other recordable discs on the market today, M-DISC offers superior reliability in data storage that provides the permanent optical data storage solution.

Silent Play

As a disc is being read, Silent Play technology automatically controls the disc read speed for optimal noise reduction.

Jamless Play

A damaged disc can cause interruptions during movie playback. Jamless play technology automatically skips past damaged parts of a disc and maintain smooth playback.

TRANSFER RATES-WRITE (MAX)		Model	BE16NU50
BD-R (SL)			USB3.0 : 2x, 4x CLV, 6x, 8x, 10x PCAV, 12x CAV, 16x ZCLV, USB2.0 : 2x, 4x CLV, 6x PCAV
M-DISC BD (BD-R)			4x CLV
BD-R (DL)			USB3.0 : 2x, 4x CLV, 6x, 8x, 10x PCAV, 12x CAV, USB2.0 : 2x, 4x CLV, 6x PCAV
BD-R (TL)			USB3.0 : 2x, 4x CLV, 6x, 8x ZCLV, USB2.0 : 2x, 4x CLV, 6x ZCLV
BD-R (QL)			2x, 4x CLV, 6x ZCLV
BD-R (LTH)			USB3.0 : 2x, 4x CLV, 6x, 8x PCAV, USB2.0 : 2x, 4x CLV, 6x PCAV
BD-RE (SL/DL/TL)			2x CLV
DVD-R (SL)			2x, 4x CLV, 8x PCAV, 16x CAV
DVD-R (DL)			4x CLV, 8x ZCLV
DVD+R (SL)			4x CLV, 8x PCAV, 16x CAV
M-DISC DVD (DVD+R)			4x CLV
DVD+R (DL)			2.4x, 4x CLV, 8x ZCLV
DVD+RW			4x, 6x CLV, 8x ZCLV
DVD-RW			2x, 4x, 6x CLV
DVD-RAM			2x, 3x, 5x CLV
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 USB3.0 : 12x / 8x CAV, USB2.0 : 6X CAV
		BD-R	SL/DL TL/QL 6x / 6x CAV
		SL LTH	USB3.0 : 8x CAV, USB2.0 : 6X CAV
		BD-RE	SL/DL TL USB3.0 : 10x / 6x CAV, USB2.0 : 6x CAV
		BDMV(AACS Compliant Disc)(SL/DL)	4x CLV USB3.0 : 12x / 8x CAV (SL/DL), USB2.0 : 6X CAV
		DVD-ROM/ DVD-R/ DVD+R	SL/DL 16x / 12x CAV
		DVD-RW/DVD+RW	12x CAV
		DVD-RAM	2x, 3x, 5x CLV
		DVD-Video (CSS Compliant Disc)(SL/DL)	12x / 8x CAV
		CD-R/RW/ROM	48x / 40x / 48x CAV
		CD-DA	40x CAV
OTHER FEATURES		Silent Play	Yes
		Jamless Play	Yes
		ACCESS TIME (1/3 STROKE)	BD-ROM
		DVD-ROM	160ms typ.
		CD-ROM	150ms typ.
SUSTAINED TRANSFER RATE		BD-ROM	71.92 MB/s (16x)
		DVD-ROM	22.16 MB/s (16x)
		CD-ROM	7.2 MB/s (48x)
BURST TRANSFER RATE		DVD-ROM	1.5Gbps bits/s (10b side), 1.2Gbps bits/s (8b side)
BUFFER SIZE		4MB Buffer Under-run prevention function embedded	
HOST INTERFACE		External (Host)	USB 2.0 (480Mbps/s), USB 3.0 (5Gbits/s)
		Internal (Drive)	SATA
COMPLIANCE		RoHS	Yes
		Safety UL	UL 60950-1 Second Edition
		C-UL	CSA C222 No. 60950-1 Second Edition
		TUV / SEMKO	EN 60950-1 / EN60825-1
		EMC	CE Marking,FCC
		Laser Safety	Class 1 laser product comply with DHHS rules 21 CFR Subchapter J Class 1 laser product to EN60825-g/IEC 60825-1
SYSTEM REQUIREMENTS		CPU	Intel® Pentium D 3.2GHz or Higher (with USB 2.0)
		Recommended	Intel Core 2 Duo P8600 2.4GHz or higher
		HDD	30GB or more of available space (60GB for Blu-ray Disc authoring)
		RAM	1GB or Higher
		BD Movie Playback CPU	Following CPU recommended - IntelE6400 or higher
		Graphic Card: Card recommended with following GPU (Graphing Processing Unit)	nVidia (GeForce 7600GT or higher / GeForce 8400 or higher Graphic Card Driver shall meet AACs compliance criteria.) ATI (ATI Radeon HD 2400 or higher Graphic Card Driver Shall meet AACs compliance criteria.)
OPERATING SYSTEMS		Windows 10, Windows 8.1, Windows 8, Windows 7, Windows Vista, Windows XP	
DIMENSIONS		(WxHxD)	6.3" x 2.0" x 8.7" (160mm x 50mm x 222 mm)
		Weight	1000±30g
CONTENTS		External Blu-ray / DVD Writer	Yes
		Blu-ray Drive Install Disc for Windows	PowerDVD, Power2Go, PowerProducer, MediaEspresso
		USB 3.0 Cable	Yes
WARRANTY		1 Year Limited Warranty on Optical Drives, Call Toll-Free 800.243.0000	
OTHER		UPC	719192608061

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

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