

External Blu-ray / DVD Writer

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

► **BE16NU50**



BDXL™



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

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THE SUPER-MULTI BLUE ADVANTAGE

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	
		SL/DL	USB3.0 : 12x / 8x CAV, USB2.0 : 6X CAV	
	BD-R	TL/QL	6x / 6x CAV	
		SL LTH	USB3.0 : 8x CAV, USB2.0 : 6X CAV	
	BD-RE	SL/DL	USB3.0 : 10x / 6x CAV, USB2.0 : 6x CAV	
		TL	4x CLV	
	BDMV(AACS Compliant Disc)(SL/DL)		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		180ms typ.	
	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-q/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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