

## Slim Portable Blu-ray/ DVD Writer

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

► **BP50NB40**



**BDXL™**



PLAYBACK



Jamless  
PLAY



M  
DISC



The LG BP50NB40 Slim Portable Blu-ray / DVD Writer features USB 2.0 connectivity with a 6x BD-R write speed and M-DISC support. Simply plug in and record up to 100GB of files, photos, or business documents onto a BDXL(triple layer) disc. With Blu-ray, DVD and CD burning capabilities, the BP50NB40 gives you the option to choose the media best suited for each task.

**External - Connects VIA USB 2.0 (USB 3.0 Compatible)**

**Silent Play**  
Reduces Noise from Disc Spin During Movie Playback

**Supports 3D Blu-ray Disc Playback**

**Supports BDXL (100GB Triple Layer) Disc**

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

**Max. 6X BD-R Read and Write Capability**

**Max. 8X DVD±R Write Speed**

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

**4MB Buffer Under-Run Prevention Function Embedded**

**RoHS Compliant**

**TV Connectivity**

### BLU-RAY DISC

**6x**

BD-R  
MAX WRITE

**2x**

BD-RE  
WRITE

**4x**

BD-R TL  
MAX WRITE

**4x**

M-DISC  
MAX WRITE

**6x**

BD-ROM  
MAX READ

### DVD

**8x**

DVD±R  
MAX WRITE

**8x**

DVD+RW  
MAX WRITE

**6x**

DVD-RW  
MAX WRITE

**5x**

DVD-RAM  
MAX WRITE

**8x**

DVD-ROM  
MAX READ

**6x**

DVD±R DL  
MAX WRITE

**4x**

M-DISC  
MAX WRITE

### CD

**24x**

CD-R  
MAX WRITE

**16x**

CD-RW  
MAX WRITE

**24x**

CD-ROM  
MAX READ

# Slim Portable Blu-ray/ DVD Writer

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

► **BP50NB40**

## THE SUPER MULTI ADVANTAGES

### Compatibility

LG Slim Portable Blu-ray / DVD Writer optical drives can read and write all kinds of disc formats in one convenient package:

1. BD-R/RE
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 100GB 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 to maintain smooth playback while reducing interruptions.

TRANSFER RATES-READ (MAX)	Model		BP50NB40	
	BD-ROM (SL/DL)		6x CAV	
	BD-R (SL/DL)		6x CAV	
	BD-R (TL/QL)		6x CAV	
	BD-RE (SL/DL)		6x CAV	
	BD-RE (TL)		4x PCAV	
	BDMV (AACs Compliant Disc) (SL/DL)		6x CAV	
	DVD-ROM (SL/DL)		8x CAV	
	DVD-R (SL/DL)		8x CAV	
	DVD+R (SL/DL)		8x CAV	
	DVD-RW		8x CAV	
	DVD+RW		8x CAV	
	DVD-RAM		2x, 3x CLV, 5x PCAV	
	DVD-Video (CSS Compliant Disc) (SL/DL)		8x CAV	
	CD-R/RW/ROM		24x / 24x / 24x CAV	
	CD-DA		24x CAV	
OTHER FEATURES			Silent Play	
			Jamless Play	
			TV Connectivity (Function needs to be added)	
ACCESS TIME (1/3 STROKE)	BD-ROM		250ms typ.	
	DVD-ROM		200ms typ.	
	CD-ROM		200ms typ.	
SUSTAINED TRANSFER RATE	BD-ROM		26.97 MB/s (6x) max.	
	DVD-ROM		11.08 MB/s (8x) max.	
	CD-ROM		3.6 MB/s (24x) max.	
BURST TRANSFER RATE			USB 2.0 480 Mbps	
BUFFER SIZE			4 MB Buffer Under-run prevention function embedded	
HOST INTERFACE	External (Host)		USB 2.0 (480Mbps/s)	
	Internal (Drive)		SATA	
COMPLIANCE	RoHS		Yes	
	Safety UL		UL 60950-1 Second Edition	
	C-UL		CSA C22.2 No. 60950-1 Second Edition	
	TUV		EN 60950-1 / EN60825-1	
	SEMKO		EN 60950-1 / EN60825-1	
	EMC		CE Marking, C-Tick Mark, BSMI, VCCI, KC, CU, FCC Part 15 Class B Digital Device, ICES-003 Digital Apparatus	
	Laser Safety		Class 1 laser product comply with DHHS rules 21 CFR Subchapter J Class 1 laser product to EN60825-1/IEC 60825-1	
OPERATING SYSTEMS			Windows 10, Windows 8.1, Windows 8, Windows 7, Windows Vista, Windows XP, Mac OS X	
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		1 GB or Higher	
	BD Movie Playback: CPU		Following CPU recommended -Intel E6400 or higher	
	Graphic Card: Card recommended with following GPU (Graphic Processing Unit)	nVidia	GeForce 7600GT or higher / GeForce 8400 or higher Graphic Card Driver shall meet AACs compliance criteria.	
DIMENSIONS (WxHxD)		ATI	ATI Radeon HD 2400 or higher Graphic Card Driver shall meet AACs compliance criteria.	
			5.7" x 0.6" x 6.1" (144 x 14.6 x 156mm)	
WEIGHT			0.60 lbs. (Max 270g)	
UPC			719192625112	
CONTENTS	Slim Portable Blu-ray Writer		Yes	
	Blu-ray Drive Install Disc for Windows		Blu-ray Drive Install Disc for Windows	
			Power DVD	
			Power 2 Go	
			Power Producer	
			Media Espresso	
	USB 2.0 Cable		Yes	

TRANSFER RATES-WRITE (MAX)	Model		BP50NB40	
	Type		Slim Portable Blu-ray / DVD Writer	
	BD-R (SL)		2x CLV, 4x PCAV, 6x CAV	
	M-Disc BD (BD-R SL)		2x CLV, 4x PCAV	
	BD-R (DL)		2x CLV, 4x PCAV, 6x CAV	
	BD-R (TL)		2x CLV, 4x PCAV	
	BD-R (QL)		2x CLV, 4x PCAV	
	BD-R (LTH)		2x CLV, 4x PCAV, 6x CAV	
	BD-RE (SL/DL/TL)		2x CLV	
	DVD-R (SL)		2x CLV, 4x PCAV, 8x CAV	
	DVD-R (DL)		2x CLV, 4x, 6x ZCLV	
	DVD+R (SL)		2.4x CLV, 4X PCAV, 8x CAV	
	M-Disc DVD (DVD+RSL)		4x PCAV	
	DVD+R (DL)		2.4x CLV, 6x ZCLV	
	DVD+RW		2.4x, 3.3x CLV, 4x, 6x, 8x ZCLV	
	DVD-RW		2x, 3x CLV, 4x, 6x ZCLV	
	DVD-RAM		2x, 3x CLV, 5x PCAV	
	CD-R		10x CLV, 16x, 24x CAV	
	CD-RW		4x, 10x CLV, 16x ZCLV	

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

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Printed in the USA. August 2018

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SPEC\_BP50NB40\_081808\_PR