

LG WH16NS60

LG WH16NS60 Internal Blu-ray Drive User Manual

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your LG WH16NS60 16x Internal Blu-ray BDXL M-Disc Drive.

This drive supports Ultra HD 4K playback and comes with Cyberlink software for enhanced media experience.

SAFETY INFORMATION

General Precautions:

- Ensure proper grounding during installation.
- Do not expose the drive to moisture or extreme temperatures.
- Avoid opening the drive casing; there are no user-serviceable parts inside.
- Handle discs by their edges to prevent scratches.

PACKAGE CONTENTS

Before installation, verify that all items are present:

- LG WH16NS60 Internal Blu-ray Drive
- SATA Data Cable (may be sold separately)
- SATA Power Cable (typically from power supply)
- Mounting Screws (may be sold separately)
- Software Disc (Cyberlink software)
- User Manual (this document)

SETUP

1. Physical Installation

Step 1: Prepare your computer.

- Turn off your computer and disconnect the power cord.
- Open the computer case according to your computer's manufacturer instructions.

Step 2: Install the drive.

- Locate an available 5.25-inch drive bay.
- Slide the LG WH16NS60 drive into the bay until the front bezel is flush with the computer case.
- Secure the drive with mounting screws on both sides.



This image displays the side profile of the LG WH16NS60 drive, highlighting the standard screw holes used for securing the drive within a computer's 5.25-inch bay.

2. Cable Connections

Step 1: Connect the SATA data cable.

- Connect one end of the SATA data cable to the SATA data port on the back of the drive.
- Connect the other end to an available SATA port on your computer's motherboard.

Step 2: Connect the SATA power cable.

- Connect a SATA power cable from your computer's power supply to the SATA power port on the back of the drive.



This image shows the back of the LG WH16NS60 drive, clearly illustrating the rectangular SATA data connector and the wider SATA power connector, which are essential for connecting the drive to the computer's motherboard and power supply.

3. Software Installation

After physical installation and cabling, close your computer case and reconnect the power cord.

Turn on your computer.

Insert the Cyberlink software disc into the drive and follow the on-screen instructions to install the necessary playback and burning software. Alternatively, download the latest software from the LG support website.

OPERATING THE DRIVE

1. Loading and Ejecting Discs

- To open the disc tray, press the eject button on the front of the drive.
- Place the disc label-side up onto the tray, ensuring it is seated correctly on the center spindle.
- Gently push the tray back into the drive, or press the eject button again to close it.
- To eject a disc, press the eject button or use the eject function within your operating system or media software.

2. Disc Compatibility

The LG WH16NS60 drive is compatible with a wide range of disc formats:

- **Read/Write Compatible:** Blu-ray Disc (including BD-XL, M-DISC), DVD (including M-DISC & DVD-RAM), and CD family.
- **Special Features:** Supports 3D Blu-ray Disc Playback and Ultra HD 4K Playback.

3. Media Playback

- Use the installed Cyberlink software or other compatible media players to play Blu-ray movies, DVDs, and audio CDs.
- The drive features noise reduction during movie playback for a quieter viewing experience.

4. Data Burning

- Utilize the Cyberlink software to burn data to compatible Blu-ray (BDXL, M-DISC), DVD (M-DISC, DVD-RAM), and CD media.
- The drive includes a 4MB buffer under-run prevention function to ensure reliable burning.

MAINTENANCE

1. Cleaning the Drive

- Keep the disc tray clean and free of dust. Use a soft, dry cloth to wipe the tray.
- Do not use liquid cleaners directly on the drive.
- Avoid inserting damaged or dirty discs, as they can harm the drive's lens.

2. Disc Handling

- Always hold discs by their edges or the center hole.
- Store discs in their cases to prevent scratches and dust accumulation.
- Do not expose discs to direct sunlight or extreme temperatures.

TROUBLESHOOTING

Drive Not Detected

Symptom: The operating system does not recognize the drive.

Solution:

- Check all SATA data and power cable connections to ensure they are secure.
- Verify that the drive is properly seated in its bay.
- Check your computer's BIOS/UEFI settings to ensure the SATA port is enabled.
- Try connecting the drive to a different SATA port or using different cables.

Disc Not Reading

Symptom: The drive cannot read a disc or reports an error.

Solution:

- Ensure the disc is clean and free of scratches or smudges. Clean with a soft, lint-free cloth if necessary.
- Verify the disc type is compatible with the drive (e.g., Blu-ray, DVD, CD).
- Try a different disc to determine if the issue is with the disc or the drive.
- Update the drive's firmware if available from the LG support website.

Playback Issues

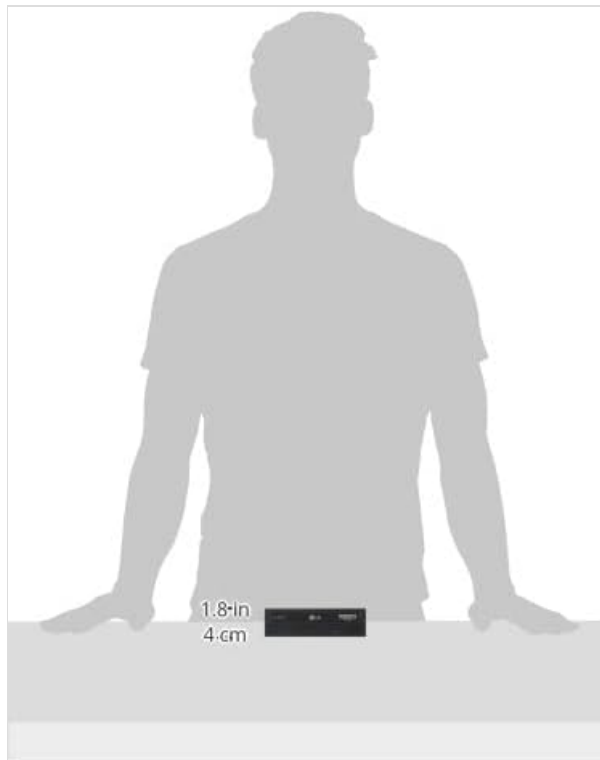
Symptom: Video or audio stutters, freezes, or fails to play.

Solution:

- Ensure your media playback software (e.g., Cyberlink) is up to date.
- Verify your computer meets the minimum system requirements for Blu-ray and 4K playback.
- Close other applications running in the background to free up system resources.
- Check for updated graphics card drivers.

SPECIFICATIONS

Feature	Description
Model	WH16NS60
Brand	LG
Hardware Interface	SATA
Optical Storage Write Speed	16x (BD)
Optical Storage Read Speed	12x (BD), 16x (DVD)
Special Feature	Blu-Ray Disc, BDXL, M-Disc, 4K Playback, 3D Playback, Noise Reduction, 4MB Buffer Under-Run Prevention
Dimensions	Standard 5.25-inch internal drive form factor. (Refer to image for visual scale: approximately 1.8 inches / 4 cm in height for the front bezel.)



This image provides a front-on view of the LG WH16NS60 drive, illustrating its compact size with a height measurement of 1.8 inches (approximately 4 cm), which is typical for a slim 5.25-inch optical drive.

WARRANTY AND SUPPORT

LG products are covered by a limited warranty. Please refer to the warranty card included with your product or visit the official LG website for detailed warranty terms and conditions.

For technical support, driver updates, or further assistance, please visit the LG support website or contact LG customer service.

LG Support Website: <https://www.lg.com/us/support>