

ASUS BW-16D1HT

ASUS BW-16D1HT Blu-ray Burner User Manual

Model: BW-16D1HT

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ASUS BW-16D1HT Blu-ray burner. The ASUS BW-16D1HT is an internal optical drive designed for high-speed Blu-ray, DVD, and CD reading and writing. It features 16X Blu-ray writing speed, M-DISC support for long-term data archival, and BD-XL support for high-capacity discs up to 128GB.

Please read this manual thoroughly before using the device to ensure proper functionality and longevity.

2. PACKAGE CONTENTS

Verify that all items are present in your product package:

- ASUS BW-16D1HT Optical Drive
- Software/Driver CD (if included)
- Quick Start Guide (if included)

Note: Additional cables (SATA data, SATA power) are typically supplied with your computer's motherboard or power supply and are not always included with the optical drive.

3. SYSTEM REQUIREMENTS

Ensure your computer meets the following minimum specifications for optimal performance:

- **Operating System:** Windows 8, Windows 7, Windows Vista, Windows XP
- **CPU:** Intel Pentium D 945 (3.4GHz) or higher
- **RAM:** 1GB or more recommended
- **HDD:** 10GB or more free space
- **Graphics Card:** NVIDIA GeForce 7600GT or ATI X1600 series or above (HDCP compatible display and VGA card required for High Definition digital output)
- **Interface:** Available SATA 6.0 Gb/s port

4. SETUP AND INSTALLATION

The ASUS BW-16D1HT is an internal drive designed for installation within a desktop computer chassis. Professional installation is recommended if you are unfamiliar with computer hardware.

4.1 Physical Installation

1. **Power Off:** Completely shut down your computer and disconnect the power cable from the wall outlet.
2. **Open Case:** Remove the side panel of your computer case to access the internal drive bays.
3. **Mount Drive:** Slide the ASUS BW-16D1HT into an available 5.25-inch drive bay. Secure it with screws or the case's tool-less mounting mechanism.
4. **Connect Cables:**
 - Connect a SATA data cable from the drive to an available SATA port on your motherboard.
 - Connect a SATA power cable from your power supply unit (PSU) to the drive.
5. **Close Case:** Replace the side panel of your computer case and reconnect the power cable.

4.2 Driver Installation

Upon booting your computer, most modern operating systems (Windows 7/8/Vista/XP) will automatically detect and install the necessary drivers for the ASUS BW-16D1HT. If prompted, you may use the included driver CD or download the latest drivers from the official ASUS support website.



Image 1: Angled view of the ASUS BW-16D1HT Blu-ray burner, illustrating its form factor and front panel design.

5. OPERATING INSTRUCTIONS

This section outlines the basic operation of your Blu-ray burner for reading and writing various disc formats.

5.1 Inserting and Ejecting Discs

1. **To Insert:** Press the eject button on the front panel of the drive. The disc tray will open. Place the disc gently onto the tray with the label side facing up. Push the tray back into the drive until it clicks shut.
2. **To Eject:** Press the eject button on the front panel, or right-click the drive icon in "This PC" (Windows) and select "Eject".

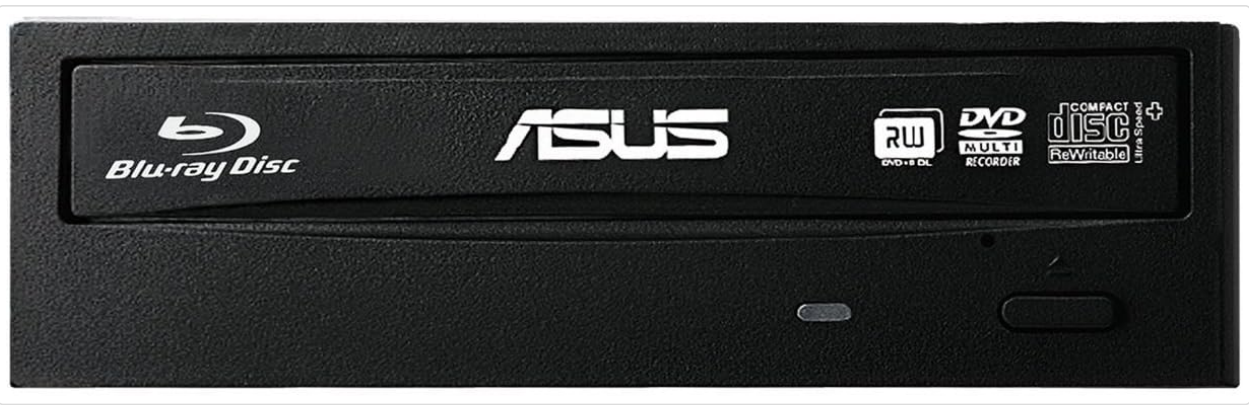


Image 2: Front view of the ASUS BW-16D1HT, highlighting the disc tray and control buttons.

5.2 Reading Discs

Once a disc is inserted, your operating system should automatically detect it. You can access the disc's contents through "This PC" (Windows) or by using compatible media playback software for Blu-ray movies, DVDs, or audio CDs.

5.3 Writing Discs (Burning)

The ASUS BW-16D1HT supports writing to various disc formats, including Blu-ray (BD-R/RE), DVD (DVD-R/RW/RAM/+R/+RW), and CD (CD-R/RW). To burn data, you will need compatible burning software (often included with your operating system or provided on the driver CD). Follow the software's instructions to select files, choose disc type, and initiate the burning process.

- **Blu-ray Writing:** Achieves speeds up to 16X for standard Blu-ray discs.
- **M-DISC Support:** Utilize M-DISC media for archival-grade data storage, designed to preserve your data for up to 1,000 years.
- **BDXL Support:** Write to BDXL discs for capacities up to 128GB, ideal for large data backups.

6. MAINTENANCE

Proper care ensures the longevity and performance of your optical drive.

- **Disc Handling:** Always handle discs by their edges. Avoid touching the data surface. Store discs in protective cases away from direct sunlight and extreme temperatures.
- **Cleaning:** Use a soft, lint-free cloth to gently wipe the disc tray if it accumulates dust. Do not use abrasive cleaners or solvents. The internal lens typically does not require user cleaning.
- **Environment:** Operate the drive in a clean, dust-free environment with adequate ventilation.

7. TROUBLESHOOTING

If you encounter issues with your ASUS BW-16D1HT, refer to the following common solutions:

- **Drive Not Detected:**
 - Check SATA data and power cable connections to ensure they are secure.
 - Verify the drive is enabled in your computer's BIOS/UEFI settings.
 - Ensure drivers are correctly installed (check Device Manager in Windows).
- **Disc Read Errors:**
 - Inspect the disc for scratches, smudges, or damage. Try a different disc.
 - Clean the disc gently with a soft cloth.

- Ensure the disc format is supported by the drive and your operating system/software.

- **Disc Write/Burn Errors:**

- Use high-quality, compatible blank media.
- Ensure sufficient free space on the disc and your hard drive for temporary files.
- Close other applications during the burning process to prevent interruptions.
- Try burning at a lower speed.

- **Drive Tray Not Opening/Closing:**

- Check for any physical obstructions.
- Restart your computer.
- For emergency ejection, locate the small pinhole on the front panel (usually near the eject button), insert a straightened paperclip, and gently push to manually open the tray.

For further assistance, please visit the ASUS support website or contact their customer service.

8. SPECIFICATIONS

Feature	Specification
Model	BW-16D1HT
Brand	ASUS
Hardware Platform	PC
Operating System Support	Windows 8, Windows 7, Windows Vista, Windows XP
Interface	SATA 6.0 Gb/s
Optical Storage Write Speed	16x (Blu-ray)
Optical Storage Read Speed	16x (Blu-ray)
Special Features	M-DISC support, BD-XL support (up to 128GB)
Item Weight	1 pound
Product Dimensions (LxWxH)	1.59 x 6.9 x 5.69 inches
Color	Black
Voltage	220 Volts (multiple voltage compatible, 100-220V)

9. WARRANTY AND SUPPORT INFORMATION

ASUS products are manufactured to the highest quality standards. For information regarding your product's warranty, please refer to the warranty card included with your purchase or visit the official ASUS support website.

For technical support, driver downloads, FAQs, and further assistance, please visit the official ASUS support portal:

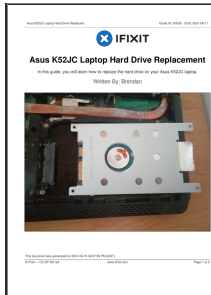
www.asus.com/support

When contacting support, please have your product model (BW-16D1HT) and serial number ready.

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Related Documents - BW-16D1HT

	<p>ASUS External Slim Blu-ray Drive Quick Installation Guide</p> <p>This guide provides instructions for installing and using the ASUS External Slim Blu-ray Drive (SBC-06D2X-U / SBW-06D2X-U). It covers safety information, system requirements, connection steps, and troubleshooting.</p>
	<p>ASUS External Optical Drive Quick Installation Guide</p> <p>Provides step-by-step instructions for installing ASUS external optical drives using USB Type-C, Y-cable, and power adapter connections. Includes safety guidelines and product information.</p>
	<p>ASUS External Optical Drive Quick Installation Guide</p> <p>Quick installation guide for ASUS external optical drives, detailing connection methods with USB Type-C®, Y-Cable, and USB cable with power adapter. Includes safety guidelines and compliance information.</p>
	<p>ASUS External Optical Drive Quick Installation Guide</p> <p>This document provides a quick installation guide for ASUS external optical drives, covering various models and connection methods.</p>
	<p>ASUS STRIX H270I GAMING Hardware Periphery Compatibility Guide</p> <p>This document lists compatible hardware peripherals for the ASUS STRIX H270I GAMING motherboard, covering storage devices, power supplies, audio components, controllers, networking, input devices, displays, and more.</p>



[Asus K52JC Laptop Hard Drive Replacement Guide](#)

A step-by-step guide to replacing the hard drive in an Asus K52JC laptop, including tools and parts needed.