Lite-On IHAS124-14

Lite-On IHAS124-14 24X SATA Internal DVD+/-RW Optical Drive User Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the Lite-On IHAS124-14 24X SATA Internal DVD+/-RW Optical Drive. Please read this manual thoroughly before using the product to ensure proper functionality and longevity.

2. Product Overview

The Lite-On IHAS124-14 is an internal SATA DVD+/-RW optical drive designed for desktop computers. It supports reading and writing of various CD and DVD formats, offering reliable performance for data storage, media playback, and software installation. This drive connects to your computer's motherboard via a SATA interface.



Figure 2.1: Front view of the Lite-On IHAS124-14 internal DVD drive with disc tray open.

Key Features:

- 24X DVD write speed for efficient data burning.
- SATA 1.5 Gb/s interface for reliable data transfer.
- Supports various CD and DVD formats, including DVD+/-R, DVD+/-RW, CD-R, and CD-RW.
- Designed for internal installation in standard desktop PC drive bays.

3. Setup and Installation

This section outlines the general steps for installing the Lite-On IHAS124-14 optical drive into a desktop computer. Professional installation is recommended if you are unfamiliar with computer hardware.

3.1 Required Components:

- Lite-On IHAS124-14 Optical Drive
- SATA Data Cable (not included)
- SATA Power Cable (usually from your PC's power supply)
- Screws for mounting (typically included with PC case)

3.2 Installation Steps:

1. **Power Off and Disconnect:** Ensure your computer is completely powered off and unplugged from the wall outlet.
2. **Open PC Case:** Remove the side panel(s) of your computer case to access the internal components.
3. **Locate Drive Bay:** Identify an available 5.25-inch drive bay. Remove any front panel covers if necessary.
4. **Mount the Drive:** Slide the optical drive into the chosen drive bay from the front of the case. Align the screw holes on the drive with those on the drive bay. Secure the drive with screws on both sides.
5. **Connect Cables:**
    - Connect one end of the SATA data cable to the SATA port on the optical drive and the other end to an available SATA port on your motherboard.
    - Connect a SATA power cable from your power supply unit to the power connector on the optical drive.
6. **Close PC Case:** Replace the side panel(s) of your computer case.
7. **Power On:** Plug in your computer and power it on. The operating system should detect the new drive automatically.

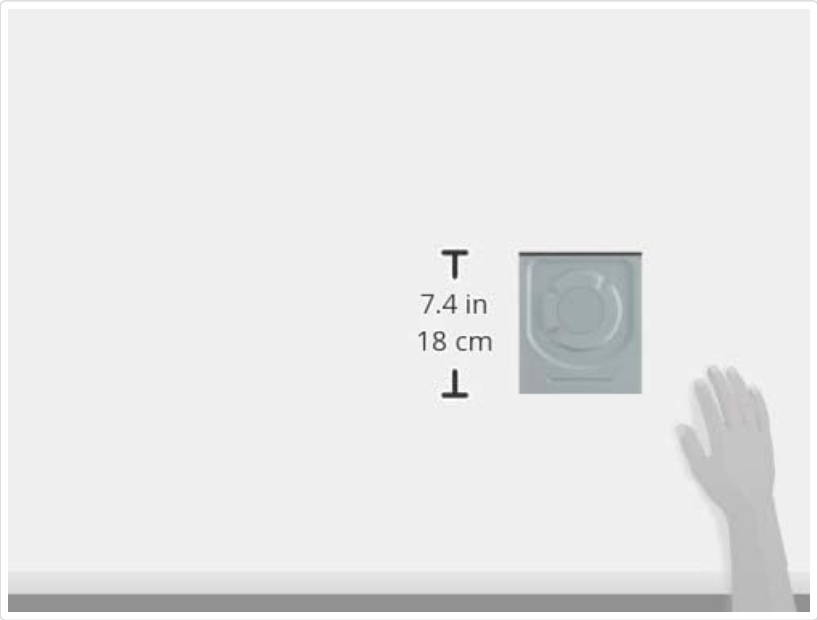


Figure 3.1: Physical dimensions of the Lite-On IHAS124-14 drive (approx. 6.7 x 5.75 x 1.62 inches).

4. Operating Instructions

Once installed, the Lite-On IHAS124-14 drive functions like any standard optical drive within your operating system.

4.1 Inserting and Ejecting Discs:

- **To Insert:** Press the eject button on the drive's front panel. The disc tray will open. Place the disc label-side up into the tray. Gently push the tray back into the drive until it clicks shut.
- **To Eject:** Press the eject button on the drive's front panel. Alternatively, right-click the drive icon in 'This PC' or 'My Computer' (Windows) or on the desktop (macOS/Linux) and select 'Eject'.

4.2 Reading Discs:

After inserting a disc, your operating system may automatically prompt you to perform an action (e.g., play a movie, open files). If not, navigate to 'This PC' or 'My Computer', double-click the optical drive icon, and browse the disc's contents.

4.3 Writing Discs:

To write data to a blank CD-R, CD-RW, DVD-R, or DVD-RW disc, you will need compatible burning software (e.g., Windows Media Player, Nero, ImgBurn). Follow the instructions provided by your chosen software to burn data, audio, or video to the disc.

5. Maintenance

Proper maintenance ensures optimal performance and extends the lifespan of your optical drive.

5.1 Cleaning the Drive:

- **Exterior:** Wipe the exterior of the drive with a soft, dry, lint-free cloth. Do not use liquid cleaners directly on the drive.
- **Disc Tray:** If dust accumulates on the disc tray, gently wipe it with a slightly damp cloth, ensuring it is dry before closing.

- **Lens:** Avoid attempting to clean the internal laser lens yourself, as this can cause damage. If disc reading issues persist due to suspected lens dirt, consider using a specialized CD/DVD lens cleaning disc.

5.2 Disc Handling:

- Always handle discs by their edges to avoid fingerprints and scratches on the data surface.
- Store discs in protective cases when not in use.
- Avoid exposing discs to direct sunlight or extreme temperatures.

6. Troubleshooting

This section addresses common issues you might encounter with your optical drive.

6.1 Drive Not Detected:

- **Check Cables:** Ensure both the SATA data cable and SATA power cable are securely connected to the drive and the motherboard/power supply.
- **BIOS/UEFI Settings:** Verify that the SATA port to which the drive is connected is enabled in your computer's BIOS/UEFI settings.
- **Device Manager (Windows):** Check Device Manager for any yellow exclamation marks next to the optical drive entry, indicating a driver issue. Update or reinstall drivers if necessary.

6.2 Disc Read/Write Errors:

- **Clean Disc:** Ensure the disc is clean and free of scratches or smudges.
- **Disc Compatibility:** Verify that the disc type (CD-R, DVD-RW, etc.) is compatible with the drive and the operation you are attempting (read/write).
- **Burning Speed:** When writing, try a lower burning speed in your software.
- **Firmware Update:** Check the Lite-On support website for any available firmware updates for your drive model.

6.3 Excessive Noise:

- Some noise during high-speed operations is normal.
- Ensure the drive is securely mounted in its bay to prevent vibrations.
- Check if the disc itself is warped or unbalanced, which can cause increased noise.

7. Specifications

Feature	Specification
Model Number	IHAS124-14
Interface	SATA 1.5 Gb/s
Optical Storage Write Speed	24x (DVD)
Optical Storage Read Speed	16x (DVD)
Supported Operating Systems	Windows, Windows Server, Linux, Mac OS
Item Weight	14.1 ounces (approx. 400g)

Feature	Specification
Product Dimensions (LxWxH)	6.7 x 5.75 x 1.62 inches (approx. 17 x 14.6 x 4.1 cm)
Color	Black
Manufacturer	Lite-On

8. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Lite-On support website. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase. Keep your proof of purchase for warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question