MSI Thin 15 B12VE-2023US

MSI Thin 15 B12VE-2023US Gaming Laptop User Manual

Model: Thin 15 B12VE-2023US

1. Introduction

This manual provides essential information for the setup, operation, and maintenance of your MSI Thin 15 B12VE-2023US gaming laptop. Please read this guide thoroughly to ensure proper usage and to maximize your product's lifespan and performance.



Figure 1: MSI Thin 15 B12VE-2023US Gaming Laptop

2. What's in the Box

Verify that all items are present upon unboxing:

- MSI Thin 15 B12VE-2023US Gaming Laptop
- Power Adapter and Cable (Charger)

3. Initial Setup

1. **Connect Power:** Plug the power adapter into the laptop's DC-in port and then into a power outlet.
2. **First Boot:** Open the laptop lid and press the power button. The system will guide you through the initial Windows 11 Home setup process.
3. **Network Connection:** Follow the on-screen prompts to connect to a Wi-Fi network or use an Ethernet cable for a wired connection.
4. **Account Setup:** Create or sign in with your Microsoft account.
5. **Updates:** Allow the system to download and install any necessary updates for optimal performance and security.

4. Operating Instructions

4.1. Power On/Off

- **Power On:** Press the power button located on the keyboard deck.
- **Shut Down:** Click the Start button, then Power, and select 'Shut down'.
- **Restart:** Click the Start button, then Power, and select 'Restart'.
- **Sleep:** Close the laptop lid or click the Start button, then Power, and select 'Sleep'.

4.2. Keyboard and Touchpad

- The laptop features a backlit keyboard. Use the Fn + F8 keys to adjust backlight brightness or turn it off.
- The touchpad supports multi-touch gestures for navigation. Refer to Windows settings for customization.

4.3. Connecting Peripherals

Utilize the available ports to connect external devices such as mice, keyboards, external displays, and storage devices.



Figure 2: Available Ports on MSI Thin 15

5. Key Features

5.1. Performance

Equipped with a 12th Gen Intel Core i7-12650H processor, this laptop delivers high performance for demanding tasks and applications. The multi-core architecture provides a significant boost for multitasking and gaming.



Figure 3: Core Specifications of the MSI Thin 15

5.2. Graphics

The NVIDIA GeForce RTX 4050 GPU, powered by the Ada Lovelace architecture, enhances visual fidelity with ray tracing capabilities, simulating realistic light behavior. This ensures smooth and immersive gaming experiences.

5.3. Display

Experience fast and fluid visuals on the 15.6-inch Full HD (1920x1080) 144Hz display. The high refresh rate is ideal for competitive gaming, providing a clear and responsive visual experience.

5.4. Cooling System

The Cooler Boost 5 technology is designed to maintain optimal temperatures during intensive use, ensuring stable performance without excessive fan noise.

5.5. Operating System

The laptop comes pre-installed with Windows 11 Home, offering a modern and user-friendly interface for everyday computing and gaming.

6. Product Videos

6.1. MSI Thin 15: Work and Play

This video showcases the MSI Thin 15's versatility for both productivity and gaming, highlighting its balanced performance for daily tasks and entertainment.

6.2. MSI Thin 15: Best Value Laptop

A brief overview emphasizing the MSI Thin 15 as a cost-effective solution for users seeking a powerful laptop for various applications.

6.3. MSI Thin 15: Fast, Light, Powerful

This video highlights the MSI Thin 15's attributes of speed, portability, and processing power, making it suitable for users on the go.

7. Technical Specifications

Feature	Specification
Model Name	Thin 15 B12VE-2023US
Processor	Intel Core i7-12650H
Graphics Card	NVIDIA GeForce RTX 4050 (6 GB GDDR6)
RAM	16 GB DDR5
Storage	512 GB NVMe SSD
Display	15.6-inch FHD (1920 x 1080) 144Hz
Operating System	Windows 11 Home
Wireless Connectivity	802.11ax (Wi-Fi 6), Bluetooth
Ports	3x USB 3.0, USB 3.2 Gen1 Type-C/DP, HDMI (4K @ 30Hz), RJ45, Audio Jacks
Dimensions (LxWxH)	14.13 x 0.09 x 9.99 inches
Weight	7.41 pounds
Battery	1 Lithium Polymer battery (included)

8. Care and Maintenance

- **Cleaning:** Use a soft, lint-free cloth to clean the screen and exterior. Avoid harsh chemicals.
- **Ventilation:** Ensure the laptop's vents are clear of obstructions to prevent overheating. Use on a hard, flat surface.
- **Software Updates:** Regularly update Windows and drivers to maintain system stability and performance.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Store the laptop in a cool, dry place.

9. Troubleshooting

9.1. No Power

- Ensure the power adapter is securely connected to both the laptop and a working power outlet.
- Check if the power outlet is functional by plugging in another device.

9.2. Display Issues

- If the screen is blank, try connecting an external monitor to verify if the laptop is outputting video.
- Adjust display brightness using the keyboard function keys.

9.3. Performance Lag

- Close unnecessary applications running in the background.
- Ensure the laptop is well-ventilated to prevent thermal throttling.
- Update graphics drivers and system software.

10. Warranty and Support

Your MSI Thin 15 B12VE-2023US laptop comes with a standard manufacturer's warranty. For detailed warranty terms and conditions, please refer to the documentation included with your product or visit the official MSI website.
For technical support, driver downloads, or service inquiries, please visit the MSI support website or contact their customer service department. Keep your product's serial number handy for faster assistance.
MSI Support Website: www.msi.com/support

© 2024 MSI. All rights reserved. Information in this manual is subject to change without notice.

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