MSI B7ED

MSI Bravo 15 B7ED Gaming Laptop User Manual

Model: Bravo 15 B7ED

Introduction

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your MSI Bravo 15 B7ED Gaming Laptop. Please read this guide thoroughly to ensure proper use and to maximize the performance and longevity of your device.

Package Contents

Verify that all items are present in the package:

- MSI Bravo 15 B7ED Gaming Laptop
- AC Power Adapter
- Power Cord
- 32GB USB Drive
- Documentation (Quick Start Guide, Warranty Card)

Physical Overview

Familiarize yourself with the various components and ports of your laptop.

Front View



The front view displays the 15.6-inch screen, the integrated webcam at the top bezel, and the MSI logo below the screen. The keyboard is visible with its backlit keys.

Left Side View



The left side of the laptop features ventilation grilles, a USB port, and audio jacks.

Right Side View



The right side includes additional USB ports, an HDMI port, and the power input jack.

Keyboard and Touchpad



The laptop features a full-size backlit keyboard with a numeric keypad and a multi-touch touchpad for navigation.

Setup

Initial Power-Up

1. Connect the AC power adapter to the laptop's power input port and then plug it into a power outlet.
2. Open the laptop lid.
3. Press the power button, typically located above the keyboard, to turn on the laptop.
4. Follow the on-screen instructions to complete the initial setup of Windows 10 Home. This includes setting up your region, language, and user account.

Connecting Peripherals

You can connect external devices such as a mouse, keyboard, or external monitor to the available ports:

- **USB Devices:** Use the USB 3.2 Gen 1 Type-A or USB 2.0 Type-A ports.
- **External Display:** Connect an external monitor via the HDMI 2.1 port or the USB 3.2 Gen 1 Type-C port (which supports DisplayPort).
- **Network Cable:** For a wired internet connection, plug an Ethernet cable into the RJ-45 port.
- **Audio Devices:** Use the 3.5mm headphone/microphone combo jack for headsets.

Operating Instructions

Power Management

- **Power On:** Press the power button.
- **Shut Down:** Click the Start button, then Power, then Shut down.
- **Restart:** Click the Start button, then Power, then Restart.
- **Sleep:** Click the Start button, then Power, then Sleep, or close the laptop lid.

Display Settings

Your laptop features a 15.6" 144Hz FHD (1920 x 1080) display. To adjust display settings:

- Right-click on the desktop and select "Display settings".
- Adjust resolution, refresh rate (ensure 144Hz is selected for optimal gaming), and scaling as needed.

Keyboard Functions

The backlit keyboard includes function keys (Fn) that can be combined with F-keys for quick access to various features:

- **Fn + Fx keys:** Control brightness, volume, keyboard backlight, Wi-Fi, and other system functions. Refer to the key icons for specific actions.

Wireless Connectivity

The laptop supports Wi-Fi 6E and Bluetooth 5.3.

- **Wi-Fi:** Click the network icon in the taskbar, select your desired network, and enter the password if required.
- **Bluetooth:** Go to Windows Settings > Devices > Bluetooth & other devices to pair with Bluetooth devices.

Maintenance

Cleaning

- Use a soft, lint-free cloth to clean the screen and chassis. Avoid harsh chemicals.
- Periodically clean the ventilation grilles to prevent dust buildup, which can affect cooling performance.

Battery Care

- Avoid fully discharging the battery frequently.
- If storing the laptop for an extended period, ensure the battery is charged to around 50-60%.
- Use only the original AC adapter provided with the laptop.

Software Updates

Regularly update your Windows operating system, drivers, and MSI utilities to ensure optimal performance and security.

- **Windows Updates:** Go to Settings > Update & Security > Windows Update.
- **Driver Updates:** Visit the official MSI support website for your model to download the latest drivers.

Troubleshooting

This section addresses common issues you might encounter.

No Power / Laptop Not Turning On

- Ensure the AC 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.
- If the battery is completely drained, allow it to charge for a few minutes before attempting to power on.

Display Issues (No Image, Flickering)

- If an external monitor is connected, try disconnecting it.
- Adjust screen brightness using the keyboard function keys.
- Restart the laptop.
- Update graphics drivers from the MSI website.

Wi-Fi / Bluetooth Connectivity Problems

- Ensure Wi-Fi or Bluetooth is enabled in Windows settings.
- Restart your router/modem for Wi-Fi issues.
- Update wireless drivers from the MSI website.
- For Bluetooth, ensure the device is in pairing mode and within range.

System Performance Issues

- Close unnecessary applications running in the background.
- Ensure sufficient free space on the SSD.
- Run a virus scan.
- Update all drivers and Windows.

Specifications

Model Name	MSI Bravo 15 B7ED
Display	15.6" FHD (1920 x 1080) 144Hz IPS, Anti-glare, 300 nits, 45% NTSC, LED-backlit
Processor	AMD Ryzen 7 7735HS (8 Cores, 16 Threads, up to 4.75 GHz, 16 MB Smart cache)
Graphics	AMD Radeon RX6550M 4GB GDDR6

Memory	16GB DDR5 SDRAM 5600 MHz
Storage	512GB NVMe M.2 SSD
Operating System	Windows 10 Home
Wireless Connectivity	MediaTek Wi-Fi 6E (2x2), Bluetooth 5.3
Ports	1x USB 3.2 Gen 1 Type-C (DisplayPort support), 2x USB 3.2 Gen 1 Type-A, 1x USB 2.0 Type-A, 1x RJ-45, 1x HDMI 2.1, 1x Headphone/microphone combo jack (3.5mm)
Keyboard	Full-size Backlit Keyboard with Numpad
Camera	720p HD Camera
Audio	2x Speakers 2W
Battery	53.5Wh Lithium-Ion (up to 6 hours average battery life)
Dimensions (L x W x H)	14.13" x 10.20" x 0.98" (35.89 cm x 25.91 cm x 2.49 cm)
Weight	4.96 lbs (2.25 kg)
Color	Aluminum Black

Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the warranty card included in your package or visit the official MSI support website.

- **MSI Official Website:** www.msi.com
- **Support Page:** Locate the support section for your specific model (Bravo 15 B7ED) to find drivers, FAQs, and contact information.