

ASUS TUF Gaming

ASUS TUF Gaming 17.3" FHD Laptop User Manual

Model: TUF Gaming

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your ASUS TUF Gaming 17.3" FHD Laptop. Please read this guide thoroughly to ensure optimal performance and longevity of your device.

2. SETUP

2.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed in the packing contents are present and undamaged. If any items are missing or damaged, contact your retailer immediately.

2.2 Connecting Power

1. Connect the AC adapter to the power jack on the side of your laptop.
2. Plug the power cord into a wall outlet.
3. Allow the battery to charge for at least 30 minutes before initial use, or until the battery indicator light shows a full charge.

2.3 First Boot and Windows Setup

Press the power button to turn on your laptop. Follow the on-screen instructions to complete the Windows 10 operating system setup, including language selection, network connection, and user account creation.

2.4 Connecting Peripherals

Your laptop features various ports for connecting external devices:

- **USB Ports:** Connect USB devices such as mice, keyboards, and external storage drives.
- **HDMI Port:** Connect an external display or projector.
- **Audio Jack:** Connect headphones or external speakers.

- **Ethernet Port:** Connect to a wired network.



Figure 2.4.1: Side view of the laptop illustrating available ports for peripheral connections.

This image displays the side profile of the ASUS TUF Gaming laptop, highlighting the various input/output ports such as USB, HDMI, and Ethernet, which are essential for connecting external devices and network cables.

3. OPERATING INSTRUCTIONS

3.1 Powering On and Off

- **To Power On:** Press the power button located on the top-right side of the keyboard.
- **To Power Off:** Click the Start button in Windows, then select Power > Shut down. Alternatively, press and hold the power button for several seconds to force a shutdown (use only when necessary).

3.2 Keyboard and Touchpad Usage

The laptop features a full-sized keyboard with RGB backlighting and a precision touchpad.

- **Keyboard Backlight:** Adjust brightness or change lighting effects using the dedicated function keys (Fn + Arrow keys or

specific F-keys, refer to your keyboard layout).

- **Touchpad Gestures:** Utilize multi-touch gestures for navigation, zooming, and other functions. Refer to Windows settings for customization.



Figure 3.2.1: Top-down view of the laptop's keyboard and touchpad.

This image provides a clear top-down view of the ASUS TUF Gaming laptop, showcasing the full keyboard layout with its distinctive RGB backlighting and the integrated touchpad below it.

3.3 Wireless Connectivity

- **Wi-Fi:** Connect to wireless networks via 802.11ac Wi-Fi. Access network settings through the Windows taskbar icon.
- **Bluetooth:** Pair Bluetooth 4.2 compatible devices such as headphones, speakers, or game controllers through Windows Bluetooth settings.

4. MAINTENANCE

4.1 Cleaning the Laptop

- Use a soft, lint-free cloth slightly dampened with water or a specialized screen cleaner for the display.
- For the chassis and keyboard, use a soft cloth. Avoid harsh chemicals.
- Periodically clean the cooling vents with compressed air to prevent dust buildup.

4.2 Battery Care

- Avoid fully discharging the battery frequently.
- Store the laptop in a cool, dry place if not used for extended periods.

- For optimal battery health, avoid continuous charging at 100% for prolonged durations.

4.3 Software Updates

Regularly update your Windows operating system, drivers, and ASUS utilities to ensure system stability, security, and performance.



Figure 4.1.1: Rear view of the laptop, highlighting cooling vents.

This image shows the rear perspective of the ASUS TUF Gaming laptop, emphasizing the design of the cooling vents which are crucial for heat dissipation and maintaining system performance.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your laptop.

5.1 Power Issues

- **Laptop does not turn on:** Ensure the AC adapter is securely connected to both the laptop and a working power outlet. Check the power indicator light.
- **Battery not charging:** Verify the AC adapter is functioning correctly. Try a different outlet.

5.2 Display Problems

- **No display on screen:** Connect an external monitor via HDMI to check if the issue is with the laptop's internal display. Ensure display drivers are updated.
- **Screen flickering:** Update graphics drivers. Adjust display refresh rate in Windows settings.

5.3 Connectivity Issues

- **Wi-Fi not connecting:** Ensure Wi-Fi is enabled in Windows settings. Restart your router and laptop. Update wireless

drivers.

- **Bluetooth device not pairing:** Ensure the device is in pairing mode and within range. Check Bluetooth drivers.

5.4 Performance Issues

- **Slow performance:** Close unnecessary applications. Check for background processes. Ensure sufficient free space on the SSD.
- **Overheating:** Ensure cooling vents are clear. Consider using a laptop cooling pad for extended heavy use.

6. SPECIFICATIONS

Detailed technical specifications for the ASUS TUF Gaming laptop.

Brand	ASUS
Model Name	TUF Gaming
Screen Size	17.3 Inches
Display Resolution	1920 x 1080 (Full HD)
Processor	AMD Ryzen 7 3750H Quad-Core (up to 4.0GHz)
Graphics Coprocessor	NVIDIA GeForce GTX 1650 (4GB GDDR5)
RAM Memory	8GB DDR4 2400MHz (expandable)
Storage	512GB M.2 NVMe PCIe SSD
Operating System	Windows 10 Home 64-bit
Wireless Connectivity	802.11ac Wi-Fi, Bluetooth 4.2
Ports	1 x USB 3.1, 1 x USB 2.0, 1 x HDMI 2.0, Audio Jack, Ethernet
Keyboard	RGB Backlit Keyboard
Battery Life (Average)	Up to 5 Hours
Dimensions (L x W x Th)	13.98" x 9.92" x 0.87"
Item Weight	5.7 Pounds



Figure 6.1.1: Front view of the ASUS TUF Gaming laptop.

This image presents a direct front view of the ASUS TUF Gaming laptop in an open position, displaying its screen and keyboard, providing a general overview of the product's design.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

Your ASUS TUF Gaming laptop comes with a limited manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms, conditions, and duration. Keep your proof of purchase for warranty claims.

7.2 Technical Support

For technical assistance, driver downloads, or further support, please visit the official ASUS support website. You will need your product's serial number, which can typically be found on a sticker on the bottom of the laptop or in the BIOS settings.

ASUS Support Website: <https://www.asus.com/support/>