**ASUS 7535HS**

# ASUS TUF Gaming A16 Laptop User Manual

Model: 7535HS

## 1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your ASUS TUF Gaming A16 Laptop. Please read this guide thoroughly to ensure proper use and to maximize the performance and longevity of your device.

The ASUS TUF Gaming A16 is a high-performance gaming laptop featuring an AMD Ryzen 5 7535HS processor, NVIDIA GeForce RTX 4050 graphics, 16GB DDR5 RAM, and a 512GB PCIe SSD. It boasts a 16-inch Full HD+ (1920x1200) 144Hz display and runs on Windows 11 Home.

## 2. SETUP

### 2.1 Unboxing and Initial Inspection

Carefully remove the laptop and all accessories from the packaging. Verify that all components are present:

- ASUS TUF Gaming A16 Laptop
- AC Adapter
- Power Cord

Inspect the laptop for any physical damage. If any damage is found or components are missing, 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 the AC adapter.
3. Connect the other end of the power cord to a grounded electrical outlet.

It is recommended to fully charge the battery before initial use.

### 2.3 First Boot and Windows 11 Setup

Press the power button to turn on your laptop. Follow the on-screen instructions to complete the Windows 11 Home setup process. This includes selecting your region, language, connecting to a network, and creating a user account.

## 2.4 Connecting to a Network

Your laptop supports Wi-Fi 6 (802.11ax) for wireless connectivity. During the Windows setup, you will be prompted to connect to a Wi-Fi network. Alternatively, you can connect via an Ethernet cable to the RJ45 port on the side of the laptop.

Image: Left side view of the ASUS TUF Gaming A16 Laptop, illustrating the arrangement of ports including the power input, Ethernet port, HDMI output, USB-C ports, and a 3.5mm audio jack.

Image: Right side view of the ASUS TUF Gaming A16 Laptop, displaying a USB-A port and cooling vents.

## 3. OPERATING YOUR LAPTOP

### 3.1 Keyboard and Touchpad

The laptop features a full-sized keyboard with a dedicated numeric keypad and a responsive touchpad. Familiarize yourself with the function keys (Fn) which provide quick access to system settings like volume, brightness, and keyboard backlight.

Image: Top-down view of the ASUS TUF Gaming A16 Laptop's keyboard and touchpad, highlighting the layout and backlit keys.

## 3.2 Display Features

Your ASUS TUF Gaming A16 is equipped with a 16-inch Full HD+ (1920x1200) display with a 144Hz refresh rate and NVIDIA G-SYNC technology. This combination ensures smooth, tear-free visuals, especially during fast-paced gaming. The 16:10 aspect ratio provides more vertical screen space for an immersive experience.

## 3.3 Performance Management

The laptop utilizes an AMD Ryzen 5 7535HS processor and an NVIDIA GeForce RTX 4050 Laptop GPU. NVIDIA Advanced Optimus dynamically switches between integrated and dedicated graphics to optimize performance and battery life. You can manage performance profiles through the ASUS Armoury Crate software (pre-installed) to suit your tasks, whether it's gaming or general productivity.

## 3.4 Cooling System

The TUF Gaming A16 features a robust cooling system with 84-blade Arc Flow Fans, multiple heatpipes, and exhaust vents. This design is engineered to maintain optimal temperatures during intensive use, preventing thermal throttling and ensuring stable performance.

## 4. MAINTENANCE

## 4.1 Cleaning Your Laptop

- **Screen:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner. Do not spray liquid directly onto the screen.
- **Keyboard and Chassis:** Use a soft cloth. For stubborn dirt, a slightly damp cloth with mild soap can be used, ensuring no liquid enters openings. Use compressed air to clear dust from between keys.
- **Vents:** Regularly clean the cooling vents with compressed air to prevent dust buildup, which can impede airflow and lead to overheating.

## 4.2 Software Updates

Keep your Windows operating system, drivers, and ASUS utilities (like Armoury Crate) updated. Regular updates ensure optimal performance, security, and compatibility. You can check for Windows updates via the Settings app and driver updates via the ASUS support website or Armoury Crate.

## 4.3 Battery Care

To prolong battery life:

- Avoid completely discharging the battery frequently.
- Store the laptop in a cool, dry place if not used for extended periods.
- If you primarily use the laptop plugged in, consider using battery health charging features (if available in Armoury Crate) to limit the charge to 80% or 60%.

## 4.4 Durability

The ASUS TUF Gaming A16 is designed with Military Grade durability, meeting MIL-STD-810H standards. While robust, avoid exposing the laptop to extreme temperatures, direct impacts, or liquids to maintain its integrity.

## 5. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, refer to the ASUS support website or contact customer service.

## 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 if the power indicator light on the adapter is on. Try a different outlet.
- **Battery not charging:** Verify the AC adapter connection. Check for any damage to the adapter or power cord. Update battery drivers.

## 5.2 Display Output Issues

- **No display on screen:** Connect an external monitor via the HDMI port to check if the issue is with the laptop's internal display. If the external monitor works, the internal display or its connection might be faulty.
- **External display not detected:** Ensure the HDMI cable is properly connected. Try a different cable or monitor. Update graphics drivers. Press **Fn + F10** (or the appropriate function key for display output) to cycle through display modes.

## 5.3 Network Connectivity Problems

- **Cannot connect to Wi-Fi:** Ensure Wi-Fi is enabled (check Windows settings). Restart your router and modem. Update wireless network drivers.
- **Slow internet speed:** Check your internet service provider's status. Ensure no other devices are heavily

using bandwidth. Consider moving closer to your Wi-Fi router.

# 6. SPECIFICATIONS

Below are the detailed technical specifications for the ASUS TUF Gaming A16 Laptop (Model 7535HS).

| Feature | Specification |
| --- | --- |
| Brand | ASUS |
| Model Name | TUF Gaming A16 |
| Item Model Number | 7535HS |
| Operating System | Windows 11 Home |
| Processor | AMD Ryzen 5 7535HS (3.3 GHz, 6 Cores) |
| Graphics Coprocessor | NVIDIA GeForce RTX 4050 (Dedicated) |
| RAM | 16 GB DDR5 RAM (LPDDR5) |
| Hard Drive | 512 GB PCIe SSD |
| Screen Size | 16 Inches |
| Screen Resolution | 1920 x 1200 Pixels (Full HD+) |
| Refresh Rate | 144Hz |
| Wireless Type | 802.11ax (Wi-Fi 6) |
| USB 3.0 Ports | 3 |
| Special Feature | Backlit Keyboard |
| Item Weight | 8.58 pounds |
| Product Dimensions | 14 x 1 x 10 inches |

# 7. WARRANTY AND SUPPORT

## 7.1 Product Warranty

Your ASUS TUF Gaming A16 Laptop comes with a standard manufacturer's warranty. The specific terms and duration of the warranty may vary by region and retailer. Please refer to the warranty card included with your product or visit the official ASUS website for detailed warranty information.

## 7.2 Customer Support

For technical assistance, driver downloads, or service inquiries, please visit the official ASUS support website:

- **ASUS Support Website:** www.asus.com/support/

When contacting support, please have your laptop's serial number ready. The serial number is typically located on a sticker on the bottom of the laptop or can be found in the system information within Windows.