

## ASUS FX505DT-AH51

# ASUS TUF FX505DT Gaming Laptop User Manual

Model: FX505DT-AH51

## 1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your ASUS TUF FX505DT Gaming Laptop. Please read this guide thoroughly to ensure optimal performance and longevity of your device.

The ASUS TUF Gaming FX505DT is a robust gaming laptop featuring a 15.6-inch 120Hz Full HD display, powered by an AMD Ryzen 5 R5-3550H processor and NVIDIA GeForce GTX 1650 graphics. It is designed for demanding applications and gaming, incorporating durable construction and efficient cooling.



Front view of the ASUS TUF FX505DT Gaming Laptop, showcasing its display and keyboard.

## 2. WHAT'S IN THE BOX

Verify that all items are present in the packaging:

- ASUS TUF FX505DT Gaming Laptop
- Power Adapter & Cord
- User Guide (this document)
- Warranty Card

## 3. INITIAL SETUP

### 3.1. Connecting the Power Adapter

Before first use, connect the power adapter to the laptop and a power outlet. This ensures the battery charges and provides stable power for initial setup.

1. Plug the AC adapter into the power connector on the left side of the laptop.
2. Connect the power cord to the AC adapter.
3. Plug the power cord into a wall outlet.



Side view of the ASUS TUF FX505DT, illustrating the placement of various ports, including the power input.

### 3.2. First Power On and Windows Setup

Press the power button located on the top-right of the keyboard. Follow the on-screen instructions to complete the Windows 10 Home setup process. This includes selecting your region, language, and setting up user accounts.

### 3.3. Connecting Peripherals

Utilize the available USB ports (1x USB 2.0, 2x USB 3.0) to connect external devices such as a mouse, keyboard, or external storage. The laptop also features an HDMI port for connecting to external displays.

## 4. OPERATING YOUR LAPTOP

### 4.1. Keyboard Features

The ASUS TUF FX505DT features a HyperStrike Keyboard with RGB backlighting, designed for durability with a 20-million keystroke lifespan. You can customize the RGB lighting effects through the pre-installed ASUS Armoury

Crate software.



The Hyperstrike Keyboard with customizable RGB backlighting, offering enhanced visibility and personalization.

The keyboard is also built to MIL-STD-810G military standard for durability, ensuring resilience against everyday wear and tear.



# Durable Keyboard



Close-up of the durable keyboard, highlighting its MIL-STD-810G military standard certification for robustness.

## 4.2. Display

Experience smooth visuals on the 15.6-inch Full HD (1920x1080) IPS-type display with a 120Hz refresh rate, ideal for fast-paced gaming and multimedia consumption.

## 4.3. Cooling System

The laptop incorporates a dual-fan cooling system with anti-dust technology to maintain optimal temperatures during intensive use and prolong component lifespan.

## 4.4. Wireless Connectivity

Connect to networks using Gigabit Wave 2 Wi-Fi 5 (802.11AC) for high-speed wireless internet access. Bluetooth connectivity is also available for pairing wireless peripherals.

## 5. MAINTENANCE AND CARE

### 5.1. Cleaning

- **Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen cleaner. Avoid harsh chemicals.
- **Chassis:** Wipe with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth.

- **Keyboard:** Use compressed air to remove dust and debris from between keys.

## 5.2. Ventilation

Ensure the laptop's ventilation openings are not obstructed to prevent overheating. Avoid placing the laptop on soft surfaces like beds or carpets during operation.

## 5.3. Battery Care

To maximize battery lifespan, avoid frequently discharging the battery completely. It is recommended to keep the laptop plugged in when possible, especially during gaming or resource-intensive tasks.

## 5.4. Software Updates

Regularly update your Windows operating system, graphics drivers, and ASUS utilities (e.g., Armoury Crate) to ensure optimal performance, security, and compatibility.

# 6. TROUBLESHOOTING

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

## 6.1. Laptop Not Powering On

- Ensure the power adapter is securely connected to both the laptop and a working power outlet.
- Verify the power outlet is functional by plugging in another device.
- If the battery is completely drained, allow it to charge for at least 30 minutes before attempting to power on.

## 6.2. Display Issues

- **No image on screen:** Ensure the laptop is powered on. If an external monitor is connected, try disconnecting it or pressing **Fn** + **F8** (or the appropriate function key for display output) to cycle display modes.
- **Flickering or distorted image:** Update your graphics drivers. Check for physical damage to the screen or cable connections if using an external monitor.

## 6.3. Performance Issues

- **Slow performance:** Close unnecessary applications. Check Task Manager for processes consuming high CPU or RAM. Ensure sufficient free space on the SSD.
- **Overheating:** Ensure ventilation vents are clear. Consider using a cooling pad. Update drivers and BIOS.
- **Gaming performance:** Ensure the laptop is plugged in and set to a high-performance power plan. Update NVIDIA graphics drivers.

# 7. TECHNICAL SPECIFICATIONS

Below are the key technical specifications for the ASUS TUF FX505DT Gaming Laptop (Model: FX505DT-AH51):



Visual representation highlighting the 8GB DDR4 RAM and 256GB SSD storage components.

Feature	Specification
Model Name	TUF FX505DT-AH51
Processor	AMD Ryzen 5 R5-3550H (Quad-core, 3.7 GHz Max Boost)
Graphics	NVIDIA GeForce GTX 1650 (4GB GDDR5 Dedicated)
Display	15.6-inch Full HD (1920x1080) IPS-Type, 120Hz
RAM	8GB DDR4 (2666 MHz)
Storage	256GB NVMe PCIe SSD
Operating System	Windows 10 Home (64-bit)
Wireless Connectivity	Gigabit Wave 2 Wi-Fi 5 (802.11AC), Bluetooth
Ports	1x USB 2.0, 2x USB 3.0, 1x HDMI, 1x Ethernet (RJ-45), 1x Audio Combo Jack
Keyboard	RGB Backlit Hyperstrike Keyboard (20-million keystroke durability)
Dimensions (LxWxH)	14.1 x 10.1 x 1 inches
Weight	4.8 pounds

Feature	Specification
Battery	1 Lithium Metal battery required

## 8. WARRANTY AND SUPPORT

### 8.1. Warranty Information

Your ASUS TUF FX505DT Gaming Laptop comes with a standard manufacturer's warranty. Please refer to the included Warranty Card for specific terms, conditions, and duration of your warranty coverage. Keep your proof of purchase for warranty claims.

### 8.2. Customer Support


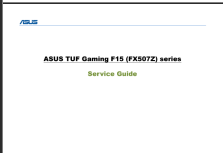

For technical assistance, driver downloads, or further support, please visit the official ASUS support website. You can also find contact information for ASUS customer service in your region on their website or in the warranty documentation.

[Visit ASUS Support Website](#)






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### Related Documents - FX505DT-AH51

	<p><a href="#">ASUS TUF Gaming Power Supply Unit Quick Start Guide</a></p> <p>Quick start guide for the ASUS TUF Gaming Power Supply Unit, detailing installation, product overview, and safety information. Available in multiple languages.</p>
	<p><a href="#">ASUS TUF Gaming F15 (FX507Z) Series Service Guide</a></p> <p>Detailed service guide for the ASUS TUF Gaming F15 (FX507Z) series laptops, covering component identification, disassembly, and assembly procedures for repair and maintenance.</p>
	<p><a href="#">ASUS TUF Gaming Power Supply Unit Quick Start Guide</a></p> <p>This guide provides essential information for the ASUS TUF Gaming Power Supply Unit, covering product overview, installation steps, and safety precautions for a smooth and secure setup.</p>



 <p>TUF B360-PRO (WI-FI) بازی</p>	<p><a href="#">ASUS TUF B360-PRO GAMING (WI-FI) Motherboard User Manual</a></p> <p>Comprehensive user manual for the ASUS TUF B360-PRO GAMING (WI-FI) motherboard, detailing specifications, package contents, component layout, installation guides, BIOS settings, and troubleshooting.</p>
	<p><a href="#">Panduan Produk ASUS Q1 2022: Laptop Zenbook, Vivobook, ROG, Expertbook</a></p> <p>Jelajahi ASUS Product Guide Q1 2022, menampilkan rangkaian laptop inovatif ASUS seperti Zenbook, Vivobook, ROG, dan Expertbook. Temukan teknologi terbaru, desain premium, dan performa unggul untuk setiap kebutuhan.</p>
	<p><a href="#">ASUS TUF Gaming H1 Headset X Kimetsu no Yaiba - Quick Start Guide</a></p> <p>Quick start guide for the ASUS TUF Gaming H1 headset, covering package contents, setup instructions, headset features, regulatory compliance, disposal, and support information.</p>