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> ASUS 15.6" Gaming Laptop (AMD Ryzen 7, NVIDIA GeForce RTX 2060) - User Manual

## ASUS FA506IV-BR7N12

# ASUS 15.6" Gaming Laptop User Manual

Model: FA506IV-BR7N12

## INTRODUCTION

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Welcome to the user manual for your new ASUS 15.6" Gaming Laptop. This document provides essential information for setting up, operating, maintaining, and troubleshooting your device. Designed for high-performance gaming and demanding tasks, your laptop features an AMD Ryzen 7 processor, NVIDIA GeForce RTX 2060 graphics, and a 512GB SSD for a responsive and immersive experience.



## SETUP

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### 1. Unboxing and Initial Inspection

Carefully remove your laptop and all accessories from the packaging. Verify that all components are present: laptop, power adapter, and documentation. Inspect the laptop for any physical damage.

### 2. Connecting the Power Adapter

Connect the power adapter to the laptop's power input port and then plug the adapter into a grounded electrical outlet. It is recommended to fully charge the battery before initial use.

### 3. First Boot and Operating System Setup

Open the laptop lid and press the power button. Follow the on-screen instructions to complete the initial setup of the Windows 10 operating system. This includes setting up your region, language, network connection, and user account.

## OPERATING YOUR LAPTOP

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### Keyboard and Touchpad

Your ASUS gaming laptop features a full-sized keyboard with a numeric keypad and a responsive touchpad. The keyboard is designed for comfortable typing and gaming. The touchpad supports multi-touch gestures for intuitive navigation.



Image: Top-down view of the ASUS 15.6" Gaming Laptop's keyboard and large touchpad, highlighting the layout and design.

## Display Features

The 15.6-inch Full HD (1920 x 1080) display offers impressive color and clarity, enhanced by an energy-efficient LED backlight. Enjoy fluid visuals for gaming and multimedia content.

## Connectivity Ports

Your laptop is equipped with various ports for connecting peripherals and external devices:

- **USB Ports:** Multiple USB ports for connecting external drives, mice, keyboards, and other USB-compatible devices.
- **HDMI:** For connecting to external displays or projectors.
- **Ethernet:** For wired network connections.
- **Audio Jack:** For headphones or external speakers.
- **Wi-Fi & Bluetooth:** Integrated 802.11ac Wi-Fi and Bluetooth 5.0 for wireless connectivity.

## MAINTENANCE

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### Cooling System

The laptop features an advanced cooling system with dual fans and self-cleaning technology to sustain performance and optimize cooling during intensive use. Ensure the vents are not obstructed to allow for proper airflow.

# LASTING COOL

**Self Cleaning**  
Sustains Performance

**Dual fan**  
Design

**Operating Modes**  
Optimize Cooling



Image: Diagram illustrating the 'LASTING COOL' features of the ASUS gaming laptop, including self-cleaning, dual-fan design, and optimized operating modes for efficient heat dissipation.

## General Care

- Keep your laptop clean by regularly wiping surfaces with a soft, dry cloth.
- Avoid exposing the laptop to extreme temperatures, direct sunlight, or high humidity.
- Do not place heavy objects on the laptop.
- Handle the laptop with care to prevent drops or impacts.

## TROUBLESHOOTING

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If you encounter issues with your laptop, consider the following general troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the laptop and the electrical outlet. Check if the outlet is functional.
- **Display Issues:** If the screen is blank, try connecting an external monitor to determine if the issue is with the laptop's display or graphics card.
- **Performance Slowdown:** Close unnecessary applications, check for background processes, and ensure your cooling vents are clear. Update drivers if necessary.

- **Connectivity Problems:** For Wi-Fi, restart your router and check network settings. For wired connections, ensure the Ethernet cable is properly connected.

For more detailed troubleshooting or persistent issues, please refer to the official ASUS support website or contact customer service.

## SPECIFICATIONS

Feature	Detail
Brand	ASUS
Model Number	FA506IV-BR7N12
Screen Size	15.6 Inches
Resolution	1920 x 1080 pixels (Full HD)
CPU Model	AMD Ryzen 7 (8 Cores, 2.9 GHz base, up to 4.2 GHz)
Graphics Coprocessor	NVIDIA GeForce RTX 2060 (6 GB GDDR6)
RAM Memory Installed Size	8 GB DDR4
Hard Disk Size	512 GB SSD (NVMe)
Operating System	Windows 10
Wireless Technology	Wi-Fi 5 (802.11ac), Bluetooth 5.0
Item Weight	5 Pounds
Item Dimensions (L x W x Thickness)	10.1"L x 14.2"W x 1"Th
Battery Energy Content	45 Watt Hours
UPC	192876670552

## WARRANTY AND SUPPORT

Your ASUS laptop comes with a Limited Warranty. For specific terms and conditions, please refer to the warranty documentation included with your product or visit the official ASUS support website.

For technical assistance, driver downloads, FAQs, and service inquiries, please visit the [ASUS Support Website](#).

Additional protection plans may be available for purchase to extend coverage beyond the standard warranty period.

Please check with your retailer for details.