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› Dell Latitude 7450 Laptop User Manual - Intel Core Ultra 7, Windows 11 Pro

Dell Latitude 7450

Dell Latitude 7450 Laptop User Manual

Model: Latitude 7450

INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Dell Latitude 7450 Laptop. Designed for business, developer, and student use, this laptop combines performance with portability and advanced features.

SETUP

1. Unboxing and Initial Inspection

Carefully remove the laptop and all accessories from the packaging. Inspect for any signs of damage. The package should contain the laptop, AC adapter, and standard battery.

2. Connecting the Power Adapter

Connect the AC adapter to the power input port on your laptop (typically on the left side) and then plug the adapter into a working power outlet. The battery will begin charging automatically.



Image: The Dell Latitude 7450 laptop shown from the left side, illustrating the power input and other ports.

3. Initial Boot and Windows 11 Pro Setup

Press the power button to turn on your laptop. Follow the on-screen instructions to complete the Windows 11 Pro setup process. This includes setting up your user account, network connection, and other preferences.

4. Fingerprint Reader Setup

The Latitude 7450 features a fingerprint reader for secure login. During or after the initial Windows setup, you can configure Windows Hello to use your fingerprint for authentication.

OPERATING YOUR LAPTOP

Display

The laptop features a 14.0-inch FHD+ (1920 x 1200) Anti-Glare IPS display with 400 nits brightness. It includes ComfortView Plus technology for reduced blue light emission, enhancing eye comfort during extended use.



Image: The Dell Latitude 7450 laptop open, displaying a vibrant image on its screen and showing the keyboard.

Keyboard and Touchpad

The backlit keyboard includes a Copilot Hotkey for quick access to AI assistance. The integrated touchpad provides precise cursor control. You can adjust keyboard backlight settings and touchpad sensitivity through Windows settings.

Webcam and Audio

A 5MP IR Camera with a physical shutter is integrated for privacy. It supports ExpressSign-In and Intelligent Privacy features. The laptop includes a microphone for audio recording and a headphones output for private listening.

CONNECTIVITY

Ports

The Dell Latitude 7450 offers a variety of ports for connecting external devices:

- **Thunderbolt 4:** For high-speed data transfer, video output, and power delivery.
- **USB Ports:** Multiple USB ports for connecting peripherals.
- **HDMI:** For connecting to external displays.
- **Audio Jack:** For headphones or headsets.



Image: Left side view of the Dell Latitude 7450 laptop, highlighting the HDMI and Thunderbolt 4 ports.



Image: Right side view of the Dell Latitude 7450 laptop, showing the USB-A ports and the audio jack.

Wireless Connectivity

The laptop supports Intel Wi-Fi 7 BE200 for fast wireless internet access, Bluetooth for connecting wireless peripherals, and NFC for near-field communication.

MAINTENANCE

Cleaning Your Laptop

- **Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen cleaner. Do not spray liquid directly onto the screen.
- **Keyboard and Chassis:** Use a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, ensuring no liquid enters openings.
- **Ports:** Use compressed air to gently clear dust from ports.

Battery Care

The laptop is equipped with a 3-Cell, 57 WHr Lithium Ion battery with Express Charge and Express Charge Boost capabilities. To prolong battery life:

- Avoid extreme temperatures.
- Do not fully discharge the battery frequently.
- Store the laptop with a partial charge if not used for extended periods.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Dell Latitude 7450.

No Power / Laptop Not Turning On

- Ensure the AC 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 15-30 minutes before attempting to power on.

Display Issues

- **Blank Screen:** Connect an external monitor to check if the issue is with the laptop's display or the graphics card. Press **Fn + F8** (or the appropriate function key) to toggle display output.
- **Dim Display:** Adjust brightness using the function keys (**Fn + F11/F12** or similar).

Connectivity Problems (Wi-Fi/Bluetooth)

- **Wi-Fi:** Ensure Wi-Fi is enabled in Windows settings. Restart your router and the laptop. Update wireless drivers if necessary.
- **Bluetooth:** Check if Bluetooth is enabled in Windows settings. Ensure the device you are trying to connect is in pairing mode and within range.

System Performance Issues

- Close unnecessary applications.
- Run a virus scan.
- Ensure Windows and drivers are up to date.
- Check disk space and free up storage if needed.

SPECIFICATIONS

Feature	Detail
Brand	Dell
Model Name	Latitude 7450
Processor	Intel Core Ultra 7 165U (12 Core, Up to 4.90GHz)
RAM	32GB LPDDR5x
Storage	512GB M.2 NVMe SSD

Feature	Detail
Display	14.0" FHD+ (1920 x 1200) Anti-Glare IPS 400-nits, ComfortView Plus
Operating System	Windows 11 Pro
Graphics	Integrated Intel Graphics
Ports	Thunderbolt 4 (Video Output), USB, HDMI, Audio Jack
Wireless	Intel Wi-Fi 7 BE200, Bluetooth, NFC
Webcam	5MP IR Camera with Shutter
Battery	3-Cell, 57 WHr Lithium Ion (Express Charge Capable)
Special Features	Fingerprint Reader, Backlit Keyboard, Copilot Hotkey
Dimensions (L x W x Th)	13"L x 4"W x 1"Th (Approximate)

WARRANTY INFORMATION

Your Dell Latitude 7450 Laptop comes with a **3-year onsite warranty**. This warranty covers manufacturing defects and hardware failures under normal use conditions. For detailed terms and conditions, please refer to the warranty documentation included with your product or visit the official Dell support website. The EU Spare Part Availability Duration is also 3 Years.

SUPPORT

For further assistance, technical support, driver downloads, or service requests, please visit the official Dell Support website. You will need your laptop's service tag or express service code, typically found on a label on the bottom of the laptop.
Dell Support Website: www.dell.com/support

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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