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## Dell 5680

# Dell Precision 5680 Mobile Workstation User Manual

Model: 5680

## 1. INTRODUCTION

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This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Dell Precision 5680 Mobile Workstation. Please read this guide thoroughly to ensure optimal performance and longevity of your device.



## 2. WHAT'S IN THE BOX

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Verify that all the following items are included with your Dell Precision 5680 Mobile Workstation:

- Mobile Precision 5680 Workstation
- AC Adapter
- Power Cord
- Lithium Ion Battery (may be pre-installed)
- Quick Setup Guide
- Safety and Regulatory Documents

## 3. INITIAL SETUP

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### 3.1 Connecting the Power Adapter

1. Connect the power cord to the AC adapter.
2. Plug the AC adapter into a power outlet.
3. Connect the AC adapter output cable to the power input port on your workstation.



Figure 3.1: Side view of the Dell Precision 5680 Mobile Workstation, illustrating the various ports including the power input.

### 3.2 Powering On and Initial Configuration

Press the power button located on the top right of the keyboard deck to turn on your workstation. Follow the on-

screen instructions to complete the initial setup of the Windows 11 Pro operating system, including language selection, network connection, and user account creation.

## 4. OPERATING YOUR WORKSTATION

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### 4.1 Basic Functions

- **Power Button:** Located on the top right of the keyboard. Press to power on, sleep, or wake the system.
- **Keyboard:** Standard QWERTY layout with function keys.
- **Haptics Trackpad:** Provides precise cursor control and multi-touch gestures.
- **Display:** The 16-inch Full HD Plus (1920 x 1200) display offers a clear visual experience.
- **Audio:** Equipped with four 'Grade A' speakers for high-quality sound output.

### 4.2 Performance Features

Your Dell Precision 5680 is designed for high performance with the following key components:

- **Processor:** Intel Core i9 13th Gen i9-13900H for demanding tasks.
- **Memory:** 64 GB DDR5 RAM for efficient multitasking.
- **Storage:** 1 TB SSD for fast data access and ample storage.
- **Graphics:** NVIDIA RTX 3500 Ada 12 GB discrete graphics card for professional applications and visual computing.

## 5. MAINTENANCE AND CARE

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### 5.1 Cleaning Your Workstation

- Use a soft, lint-free cloth lightly dampened with water or a screen cleaner to clean the display.
- Wipe the keyboard and chassis with a soft, dry cloth. Avoid harsh chemicals.
- Keep vents clear of dust and debris to ensure proper airflow.

### 5.2 Battery Care

To maximize battery life, avoid extreme temperatures and allow the battery to discharge periodically before recharging. For long-term storage, ensure the battery is charged to approximately 50%.



Figure 5.1: Top view of the Dell Precision 5680 Mobile Workstation in a closed state, highlighting its sleek design.

### 5.3 Software Updates

Regularly update your operating system and drivers to ensure system stability, security, and optimal performance. Dell provides utility software to assist with driver updates.

## 6. TROUBLESHOOTING

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

### 6.1 Power Issues

- **Workstation does not power on:** Ensure the AC adapter is securely connected to both the workstation and a working power outlet. Check the power indicator light on the adapter.
- **Battery not charging:** Verify the AC adapter connection. If the issue persists, contact Dell support.

### 6.2 Display Issues

- **Blank screen:** Ensure the workstation is powered on. Try connecting an external monitor to check if the issue is with the internal display.
- **Distorted image:** Update your graphics drivers. If the problem continues, contact support.

### 6.3 Performance Issues

- **Slow performance:** Close unnecessary applications. Check for background processes consuming high resources. Ensure sufficient free space on the SSD.
- **System freezing:** Perform a system restart. Check for recent software installations or updates that might be causing conflicts.

For more complex issues, refer to the Dell support website or contact technical support.

## 7. TECHNICAL SPECIFICATIONS

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Feature	Specification
Model Name	Precision 5680
Processor	Intel Core i9-13900H (2.6 GHz)
RAM	64 GB DDR5
Storage	1 TB SSD
Graphics Coprocessor	NVIDIA RTX 3500 Ada (12 GB)
Display Size	16 Inches
Screen Resolution	1920 x 1200 pixels (Full HD Plus)
Operating System	Windows 11 Pro
Wireless Type	802.11ac, 802.11ax
Item Weight	9.86 pounds
Product Dimensions	9.5 x 13.9 x 0.87 inches
Color	Anodized Titan Gray

## 8. WARRANTY AND SUPPORT

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### 8.1 Product Warranty

Your Dell Precision 5680 Mobile Workstation comes with a standard manufacturer's warranty. Please refer to the included "Safety and Regulatory Documents" for detailed warranty terms and conditions specific to your region.

### 8.2 Technical Support

For technical assistance, driver downloads, or service requests, please visit the official Dell Support website: [www.dell.com/support](http://www.dell.com/support)

When contacting support, have your service tag or express service code ready. This information is typically found on a label on the bottom of your workstation.

