Dell XPS 8930

Dell XPS 8930 Tower Desktop User Manual

Model: XPS 8930

INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Dell XPS 8930 Tower Desktop. Please read these instructions carefully to ensure proper use and longevity of your system.

1. SETUP

1.1 Unboxing and Placement

Carefully remove the Dell XPS 8930 desktop from its packaging. Ensure all components, including the power cable, keyboard, and mouse, are present. Place the desktop on a stable, flat surface with adequate ventilation around all sides to prevent overheating.

1.2 Connecting Peripherals

1. **Connect the Monitor:** Use an appropriate cable (HDMI, DisplayPort, DVI) to connect your monitor to the graphics card ports on the rear of the desktop.

2. **Connect Keyboard and Mouse:** Plug the Dell USB keyboard and mouse into any available USB ports on the desktop.

3. **Connect Network Cable (Optional):** If using a wired network connection, plug an Ethernet cable into the network port on the rear of the desktop.

4. **Connect Power Cable:** Plug the power cable into the power connector on the rear of the desktop, then plug the other end into a grounded electrical outlet.

Image 1.1: Front view of the Dell XPS 8930 Tower Desktop. This image shows the front panel with the power button, optical drive, and front USB ports.

Image 1.2: Rear view of the Dell XPS 8930 Tower Desktop. This image illustrates the various connectivity ports including USB, Ethernet, audio, and video outputs from the graphics card.

1.3 First Boot-Up

Press the power button located on the front of the desktop. The system will initiate the boot process. Follow any on-screen prompts to complete the initial Windows 10 Pro setup, if applicable.

2. OPERATING INSTRUCTIONS

2.1 Power On/Off

- **Power On:** Press the power button on the front panel.
- **Shut Down:** In Windows, click the Start button, then Power > Shut down.
- **Restart:** In Windows, click the Start button, then Power > Restart.
- **Sleep:** In Windows, click the Start button, then Power > Sleep.

2.2 System Overview

Your Dell XPS 8930 is equipped with an 8th Generation Intel Core i7-8700 processor, 32GB DDR4 RAM, a 256GB SSD for fast boot times and application loading, and a 2TB HDD for mass storage. Graphics are handled by an NVIDIA GeForce GTX 1080 with 8GB GDDR5X memory, suitable for demanding applications and gaming. The system runs on Windows 10 Pro.

2.3 Connectivity

The desktop offers a range of connectivity options:

- **USB Ports:** Multiple USB 3.0 and USB 2.0 ports are available on both the front and rear panels for connecting peripherals.
- **Audio Ports:** Front and rear audio jacks for headphones, microphones, and speakers.
- **Network:** Gigabit Ethernet port for wired internet, and Dell Wireless 802.11a/c with Bluetooth v4.1 for wireless connectivity.

- **Optical Drive:** A DVD-RW drive is included for reading and writing optical media.

3. MAINTENANCE

3.1 Cleaning

Regularly clean the exterior of your desktop with a soft, dry cloth. Use compressed air to clear dust from ventilation grilles and ports. Ensure the system is powered off and unplugged before cleaning.

3.2 Software Updates

Keep your Windows 10 Pro operating system and device drivers updated. Windows Update can manage most system updates. For graphics drivers, visit the NVIDIA website or use the GeForce Experience application.

3.3 Data Backup

Regularly back up important data to an external drive or cloud storage to prevent data loss.

3.4 Internal Access (Advanced Users)

For internal component upgrades or maintenance, the side panel can be removed. The power supply unit can also swing out for easier access to internal components.

Image 3.1: Internal view of the Dell XPS 8930 Tower Desktop with the side panel removed, showing the motherboard, CPU cooler, and graphics card.

Image 3.2: Internal view of the Dell XPS 8930 Tower Desktop with the power supply unit swung out, providing better access to the internal components for maintenance or upgrades.

Caution: Opening the desktop may void your warranty or cause damage if not performed correctly. Consult professional assistance if unsure.

4. TROUBLESHOOTING

4.1 No Power

- Ensure the power cable is securely connected to both the desktop and the electrical outlet.
- Verify the electrical outlet is functional by plugging in another device.
- Check the power supply unit (PSU) switch on the rear of the desktop, if present, to ensure it is in the 'On' position.

4.2 No Display

- Confirm the monitor is powered on and its video cable is securely connected to the graphics card output on the desktop.
- Ensure the monitor input source is correctly selected (e.g., HDMI 1, DisplayPort).
- Try connecting the monitor to a different video output port on the graphics card, or to the integrated graphics port if available (though the dedicated GPU should be used for optimal performance).

4.3 System Slow Performance

- Check Task Manager (Ctrl+Shift+Esc) for applications consuming excessive CPU, RAM, or disk resources.
- Ensure Windows and drivers are up to date.
- Run a disk cleanup and defragmentation (for HDD) or TRIM (for SSD) utility.
- Scan for malware or viruses.

5. SPECIFICATIONS

Feature	Detail

Feature	Detail
Brand	Dell
Model Name	XPS
Processor	8th Gen. Intel Core i7-8700 (6-Core, up to 4.60 GHz)
RAM	32GB DDR4 2666MHz
Storage	256GB SSD + 2TB 7200 RPM SATA HDD
Graphics Card	NVIDIA GeForce GTX 1080 with 8GB GDDR5X
Operating System	Windows 10 Pro (64-bit)
Optical Drive	DVD-RW Drive
Wireless Connectivity	Dell Wireless 802.11a/c + Bluetooth v4.1
Audio	Integrated 5.1 Channel Audio with Waves MaxxAudio Pro
Included Peripherals	Dell USB Laser Mouse, Dell Wired Keyboard
Item Weight	Approximately 22 pounds
Color	Black

6. WARRANTY AND SUPPORT

6.1 Limited Warranty

This Dell XPS 8930 Tower Desktop comes with a 1 Year Limited Warranty. Please refer to the warranty documentation provided with your purchase for full terms and conditions.

6.2 Technical Support

For technical assistance, driver downloads, or further support, please visit the official Dell support website or contact Dell customer service. Have your system's service tag ready for quicker assistance.