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Model: Vostro 15 3580

Brand: Dell

1. INTRODUCTION

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your Dell Vostro 15 3580 laptop. The Dell Vostro 15 3580 is designed for productivity, featuring an 8th Generation Intel Core i5 processor, 8GB DDR4 RAM, and a 1TB hard drive. It comes equipped with a 15.6-inch Full HD anti-glare display and AMD Radeon 520 graphics with 2GB GDDR5 memory, running on Ubuntu Linux 18.04.

Key features include Dell Mobile Connect for smartphone integration, Gigabit Ethernet for fast network connectivity, and a variety of ports for peripheral devices. The laptop also incorporates a Peak Shift feature to optimize power consumption.



Figure 1.1: Front view of the Dell Vostro 15 3580 Laptop.

2. SETUP

2.1 Unpacking and Initial Power On

Follow these steps to prepare your laptop for first use:

1. **Unpack the Laptop:** Carefully remove the laptop and all accessories from the packaging. Ensure all components, including the power adapter and documentation, are present.
2. **Connect Power:** Plug the power adapter into a wall outlet and then connect the power connector to the power jack on the laptop. The battery will begin charging automatically.
3. **Open the Display:** Gently lift the display panel to open the laptop.
4. **Power On:** Press the power button, typically located on the top right of the keyboard, to turn on the laptop.
5. **Initial Setup:** Follow the on-screen instructions to complete the initial setup of the Ubuntu Linux operating system. This may include language selection, network connection, and user account creation.



Figure 2.1: Front view of the Dell Vostro 15 3580, showing the keyboard and display.

3. OPERATING INSTRUCTIONS

3.1 Ports and Connectors

The Dell Vostro 15 3580 is equipped with various ports for connecting external devices. Familiarize yourself with their locations and functions:

- **Left Side:**

- **Micro SD Card Reader:** For reading and writing data to Micro SD cards.
- **USB 2.0 Port:** For connecting USB 2.0 compatible devices.
- **VGA Port:** For connecting to external monitors or projectors with a VGA input.
- **Optical Drive:** For reading and writing CDs and DVDs.
- **Wedge Shaped Lock Slot:** For securing the laptop with a compatible security cable.

- **Right Side:**

- **Power Jack:** For connecting the power adapter to charge the laptop.
- **HDMI Port:** For connecting to external displays or TVs with HDMI input.

- **RJ45 - 10/100/1000Mbps GbE:** For wired network connection.
- **USB 3.1 Gen 1 Type-A Ports (x2):** For connecting USB 3.1 Gen 1 compatible devices, offering faster data transfer speeds.
- **Headphone/Mic Combo Jack:** For connecting headphones, external speakers, or a headset with a microphone.



Figure 3.1: Left side view of the Dell Vostro 15 3580, highlighting ports.



Figure 3.2: Right side view of the Dell Vostro 15 3580, highlighting ports.

3.2 Dell Mobile Connect

Dell Mobile Connect allows you to integrate your iOS or Android smartphone with your laptop. This feature enables you to receive notifications for phone calls, SMS messages, instant messages, and other app alerts directly on your laptop screen. This helps maintain focus on a single device for communication and work.

3.3 Peak Shift Feature

Peak Shift is an optional power management feature designed to reduce power consumption. When enabled, it automatically switches the system to battery power during specific times of the day, even if the laptop is connected to a direct power source. This can help manage energy costs and reduce strain on the power grid during peak demand hours.

3.4 Optical Drive Usage

The integrated optical drive supports reading and writing of CDs and DVDs. To use the optical drive, press the eject button on the drive tray, place the disc onto the spindle, and gently push the tray back into the laptop. Ensure the disc is properly seated before closing the tray.



Figure 3.3: Top view of the Dell Vostro 15 3580, showing the keyboard and touchpad.

4. MAINTENANCE

4.1 Cleaning the Laptop

Regular cleaning helps maintain the laptop's appearance and functionality:

- **Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen-specific cleaning solution. Avoid harsh chemicals.
- **Keyboard and Chassis:** Use a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, ensuring no liquid enters openings. Compressed air can remove dust from between keys.
- **Ports:** Use compressed air to gently clear dust from ports. Avoid inserting objects into ports.

4.2 Battery Care

To prolong battery life:

- Avoid extreme temperatures.
- Do not fully discharge the battery frequently.

- If storing the laptop for an extended period, ensure the battery is charged to approximately 50%.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Dell Vostro 15 3580 laptop.

5.1 Common Issues and Solutions

- **Laptop Does Not Power On:**
 - Ensure the power adapter is securely connected to both the laptop and a working electrical outlet.
 - Verify the power outlet is functional by plugging in another device.
 - Try a different power adapter if available.
- **Display Not Working:**
 - Check if the laptop is powered on and the screen brightness is not set to minimum.
 - Connect an external monitor to the HDMI or VGA port to check if the issue is with the laptop's internal display.
 - Restart the laptop.
- **Slow Performance:**
 - Close unnecessary applications running in the background.
 - Ensure there is sufficient free space on the hard drive.
 - Check for system updates for Ubuntu Linux.
- **Wi-Fi Connectivity Issues:**
 - Ensure Wi-Fi is enabled on the laptop.
 - Restart your wireless router and modem.
 - Verify the Wi-Fi password is correct.

For more complex issues or if the problem persists, refer to the Dell support website or contact customer service.

6. SPECIFICATIONS

The following table outlines the technical specifications for the Dell Vostro 15 3580 laptop:

| Feature | Specification |
|------------------------|---|
| Brand | Dell |
| Model Name | Vostro 15 3580 |
| Processor | 8th Generation Intel Core i5-8265U (1.6 GHz up to 3.9 GHz, 4 cores) |
| RAM Size | 8 GB DDR4 (2666 MHz) |
| Storage | 1 TB 5400 rpm 2.5" SATA Hard Drive |
| Operating System | Ubuntu Linux 18.04 |
| Display | 15.6-inch FHD (1920 x 1080) Anti-Glare LED-Backlit Display |
| Graphics | AMD Radeon 520 Graphics with 2GB GDDR5 |
| Connectivity | Wi-Fi, Gigabit Ethernet (RJ45) |
| Ports | Micro SD Card Reader, USB 2.0, VGA, Optical Drive, Wedge Lock Slot, Power Jack, HDMI, RJ45, 2x USB 3.1 Gen 1 Type-A, Headphone/Mic Combo Jack |
| Battery | 3-Cell 42WHr Lithium Ion (Integrated) |
| Dimensions (H x W x D) | 20.66 mm x 380 mm x 258 mm (0.81 in x 14.96 in x 10.16 in) |
| Weight | 2.20 kg (4.85 lbs) |
| Color | Black |

7. WARRANTY AND SUPPORT

7.1 Product Warranty

The Dell Vostro 15 3580 laptop typically comes with a **1 Year Warranty** from the date of purchase. This warranty covers manufacturing defects and hardware failures under normal use conditions. Please refer to the warranty card included with your product or the Dell official website for specific terms and conditions.

7.2 Technical Support

For technical assistance, driver downloads, or further troubleshooting, please visit the official Dell Support website. You will need your product's service tag or express service code to access personalized support resources.

Dell Support Website: www.dell.com/support