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Alienware X17 R1

Alienware X17 R1 Gaming Laptop User Manual

Model: X17 R1

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Alienware X17 R1 Gaming Laptop. Please read this manual thoroughly to ensure optimal performance and longevity of your device.



Figure 1: Alienware X17 R1 Gaming Laptop

2. PACKAGE CONTENTS

Ensure all items are present in your Alienware X17 R1 package:

- Alienware X17 R1 Notebook
- Power Adapter
- Power Cord
- User Manual (this document)

3. PRODUCT OVERVIEW

3.1 Design and Dimensions

The Alienware X17 R1 features a sleek, thin design in Lunar Light (white) with Dark Side of the Moon (black) accents for the keyboard and deck. Its dimensions are approximately 11.79 x 15.72 x 0.82 inches (LxWxH) and it weighs around 7.05 pounds.



LEGEND 2.0 INDUSTRIAL DESIGN

*AlienFX keyboard and AlienFX Lighting
design/lighting supporting 16.8 million colors*

Figure 2: Alienware X17 R1 Side Profile

3.2 Ports and Connectors

The Alienware X17 R1 is equipped with a comprehensive set of ports, primarily located at the rear for efficient cable management and thermal performance.

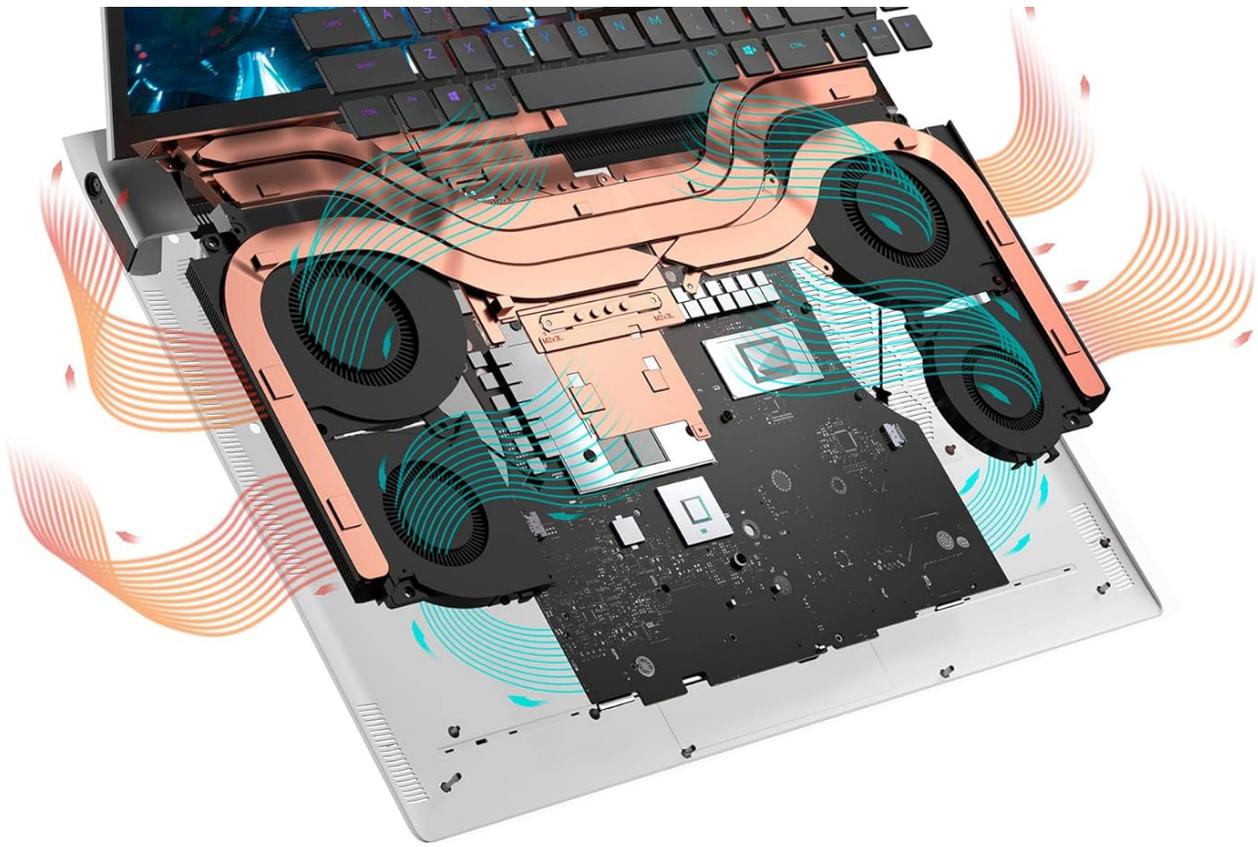


Figure 3: Rear Ports and Connectors

- Power/DC-in Port
- Mini Display Port 1.4
- HDMI 2.1 (for up to 4K/120Hz output)
- Type-C USB 3.2 Gen 2 Port with Power Delivery (5V/3A)
- Killer E3100 RJ-45 2.5G Ethernet
- Micro SD Card Reader
- USB 3.2 Gen 1 Type-A with Powershare
- Type-C Thunderbolt™ 4/USB 3.2 Gen 2 Port with Power Delivery (5V/3A)
- Global Headset Jack

3.3 Keyboard and Touchpad

The laptop features an AlienFX keyboard with per-key RGB lighting and an AlienFX Lighting design supporting 16.8 million colors. The touchpad is glass, offering solid tracking and responsive gestures.



EXCLUSIVE ALIENWARE CRYO-TECH™ TECHNOLOGIES

Game for longer periods of time thanks to Element 31, an encapsulated gallium-silicone thermal interface material.*

Figure 4: AlienFX Keyboard and Touchpad

3.4 Display

The 17.3-inch Full HD (1920 x 1080) display boasts a 360Hz refresh rate and 1ms response time, enhanced with ComfortView Plus, NVIDIA G-SYNC, and Advanced Optimus for a smooth visual experience.



Figure 5: 360Hz Display

3.5 Cooling System

The Alienware X17 R1 incorporates advanced thermal management with its Cryo-Tech™ Technologies. This includes an exclusive Quad Fan design and Element 31, an encapsulated gallium-silicone thermal interface material, to ensure efficient heat dissipation during intensive use.



Intel® Core™
i7 Processor



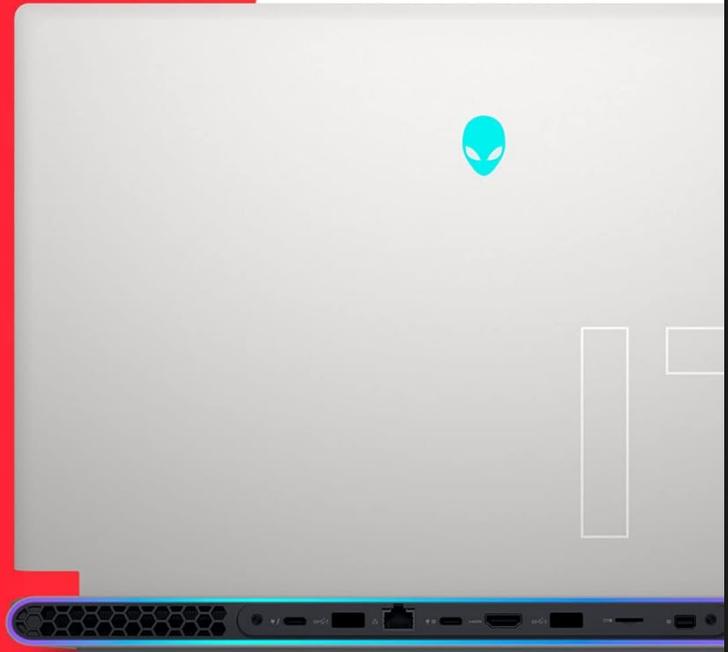
32 GB
DDR4 RAM



1TB Solid
State Drive



NVIDIA® GeForce
RTX™ 3080



 Windows 11

Figure 6: Cryo-Tech Cooling System

Your browser does not support the video tag.

Video 1: Official Alienware X17 R1 Product Overview, highlighting key features including the cooling system.

4. SETUP

4.1 Initial Power-On

1. Unpack your Alienware X17 R1 laptop and all accessories.
2. Connect the power adapter to the laptop's power port and then to a power outlet.
3. Open the laptop lid and press the power button (Alienware head logo) to turn on the device.
4. Follow the on-screen instructions to complete the Windows 11 setup process.

4.2 Connecting Peripherals

Utilize the various ports on the rear and sides of the laptop to connect external monitors, keyboards, mice, and other accessories. For optimal display performance, use the HDMI 2.1 or Mini Display Port 1.4 for external monitors.



Figure 7: Connecting External Peripherals

5. OPERATING YOUR LAPTOP

5.1 Power Management

The Alienware X17 R1 offers tailored power states to optimize performance or battery life. These can be managed through the Alienware Command Center software:

- **Quiet Mode:** Reduces fan noise and power consumption.
- **Balanced Mode:** Offers a balance between performance and acoustics.
- **Full Speed Mode:** Maximizes fan speed for peak performance.
- **Battery Saver Mode:** Optimizes settings for extended battery life.
- **Performance Mode:** Prioritizes performance for demanding tasks.

5.2 Windows Hello

The laptop supports Windows Hello for secure and convenient login using facial recognition via the integrated webcam.

5.3 Alienware Command Center

This software allows you to customize various aspects of your laptop, including RGB lighting, power profiles, and overclocking settings. It is recommended to keep the software updated for the best experience.



Figure 8: Alienware Command Center

6. MAINTENANCE

6.1 Cleaning

- Use a soft, lint-free cloth to clean the screen and exterior surfaces.
- For stubborn marks, lightly dampen the cloth with water or a screen-safe cleaner.
- Regularly clean the air vents to prevent dust buildup, which can affect cooling performance.

6.2 Software Updates

Keep your operating system, drivers, and Alienware Command Center software updated to ensure optimal performance, security, and compatibility. Use the Alienware Update utility or visit the Dell support website for the latest updates.

6.3 Upgradable Components

The Alienware X17 R1 offers upgradable slots for memory and storage:

- 2 x RAM Slots (DDR4)
- 1 x M.2 PCIe Gen 4 SSD Slot
- 1 x M.2 PCIe Gen 3 SSD Slot



Figure 9: Internal Components and Upgradable Slots

7. TROUBLESHOOTING

If you encounter issues with your Alienware X17 R1, try the following basic troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the laptop and the power outlet. Try a different outlet.
- **Display Issues:** If the screen is blank, try connecting an external monitor to verify if the issue is with the laptop's display or the graphics card. Update graphics drivers.
- **Performance Lag:** Check your power management settings in Alienware Command Center. Ensure all drivers are up to date. Monitor temperatures to prevent thermal throttling.
- **Connectivity Problems:** For Wi-Fi or Ethernet issues, restart your router and the laptop. Check network adapter drivers.
- **Software Glitches:** Restart the application or the laptop. Ensure your operating system and applications are updated.

For more advanced troubleshooting or persistent issues, refer to the Dell support website or contact customer service.

8. SPECIFICATIONS

Feature	Specification
Model Name	Alienware x17 R1

Processor	11th Generation Intel Core i7-11800H (8 Cores, up to 4.6 GHz)
RAM	32 GB DDR4 3200MHz
Storage	1 TB M.2 PCIe NVMe Solid State Drive
Graphics Card	NVIDIA GeForce RTX 3080 16GB GDDR6
Display	17.3-inch FHD (1920 x 1080) 360Hz 1ms with ComfortView Plus, NVIDIA G-SYNC and Advanced Optimus
Operating System	Windows 11 Home
Wireless Connectivity	Killer AX 1675 + Bluetooth 5.2
Ports	3x USB 3.0, 2x Type-C (Thunderbolt 4/USB 3.2 Gen 2), HDMI 2.1, Mini DisplayPort 1.4, Ethernet, Micro SD, Headset Jack
Item Weight	7.05 pounds
Product Dimensions	11.79 x 15.72 x 0.82 inches
Color	Lunar Light (White)

9. WARRANTY AND SUPPORT

Your Alienware X17 R1 laptop is covered by Dell's standard warranty. For detailed warranty information, technical support, or service requests, please visit the official Dell support website or contact their customer service. Keep your purchase receipt and product serial number handy for faster assistance.

Dell Support Website: www.dell.com/support