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Alienware AWX17R2

Alienware X17 R2 Gaming Laptop User Manual

Model: AWX17R2

Brand: Alienware

1. INTRODUCTION AND OVERVIEW

The Alienware X17 R2 is a high-performance VR Ready Gaming Laptop designed for demanding tasks such as gaming, video editing, and graphic design. It features a 17.3-inch Full HD display with a 360Hz refresh rate and 1ms response time, powered by a 12th Gen Intel Core i7-12700H processor and NVIDIA GeForce RTX 3070 Ti graphics with 8GB GDDR6 memory. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Image: Alienware X17 R2 showcasing its powerful components and sleek design.

2. WHAT'S IN THE BOX

Upon unboxing your Alienware X17 R2, ensure all the following components are present:

- Alienware X17 R2 Notebook

- Power Adapter (240W Small Form Factor)
- Power Cord
- Documentation (including this manual)

3. SETUP

3.1 Initial Power-On

1. Connect the power adapter to the laptop's power/DC-in port and then to a power outlet.
2. Open the laptop lid.
3. Press the Alienware head power button located on the keyboard deck to turn on the laptop.
4. Follow the on-screen instructions to complete the Windows 11 Home setup.

3.2 Connecting Peripherals

Utilize the various ports available for connecting external devices:

- **USB 3.2 Gen 1 Type-A:** For standard USB devices.
- **USB 3.2 Gen 2 Type-C with Power Delivery:** For high-speed data transfer and charging compatible devices.
- **Thunderbolt 4 / USB 3.2 Gen 2 Type-C with Power Delivery:** For ultra-fast data transfer, display output, and power delivery.
- **HDMI 2.1:** Connect to external displays or TVs.
- **Mini Display Port 1.4:** Connect to external displays.
- **Killer E3100 RJ-45 2.5G Ethernet:** For wired network connection.
- **Global Headset Jack:** For audio input/output.
- **Micro SD Card Slot:** For expanding storage or transferring files.

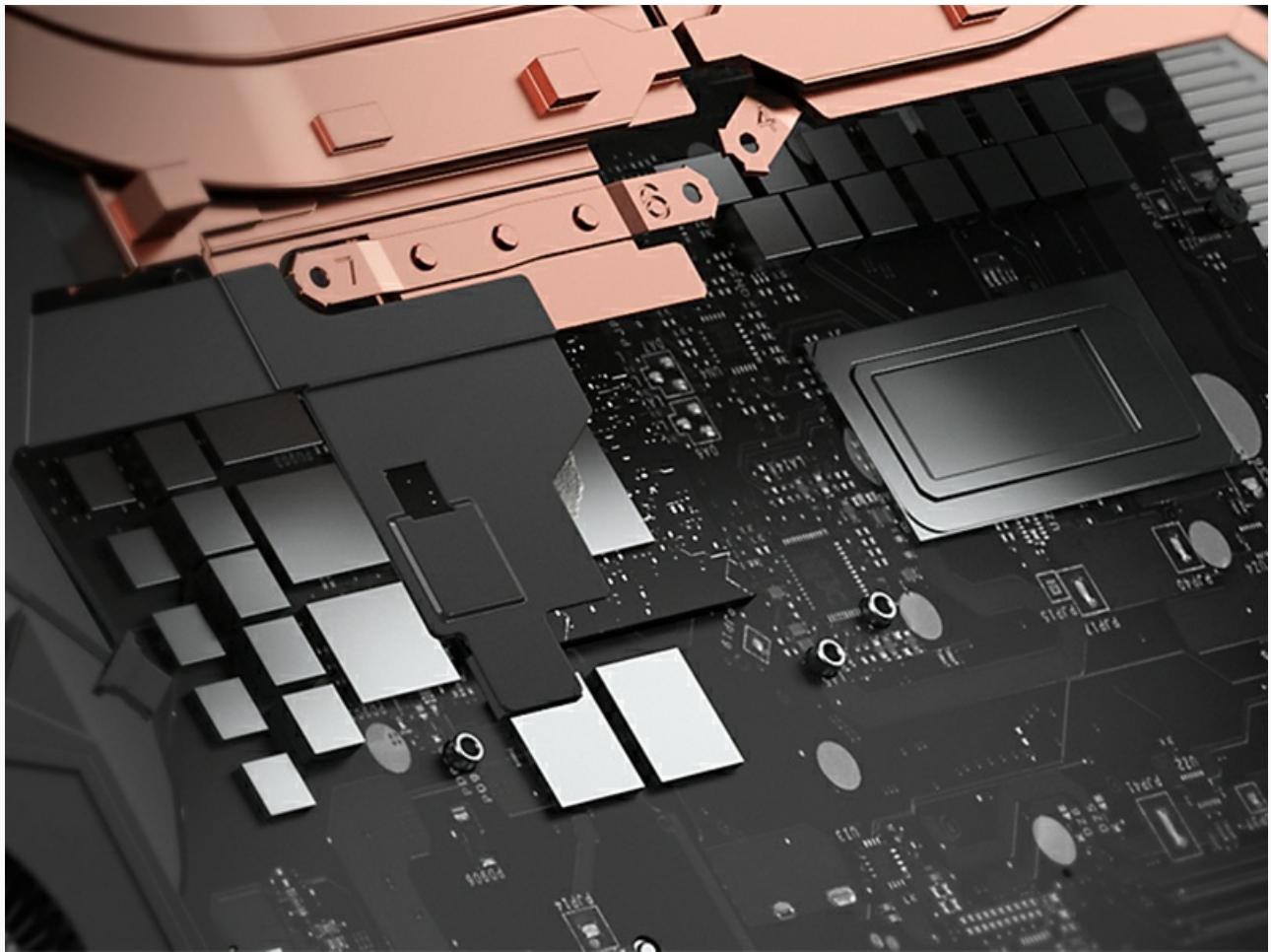


Image: Detailed view of the Alienware X17 R2's rear and side ports.

4. OPERATING YOUR LAPTOP

4.1 Display Features

The 17.3-inch Full HD display offers a 360Hz refresh rate and 1ms response time for smooth visuals. It also features ComfortView Plus technology to reduce blue light emissions, enhancing viewing comfort during extended use. Dolby Vision support provides an authentic visual experience with enhanced color profiles.



Image: Laptop screen showing vibrant game graphics with Dolby Vision and Atmos branding.

4.2 Keyboard and Lighting

The Alienware X17 R2 features an AlienFX keyboard with customizable backlighting, supporting 16.8 million colors. You can personalize the lighting effects, including wave patterns or solid colors, through the Alienware Command Center software. The power button, shaped like the Alienware head, also illuminates and can be customized.



Image: The Alienware X17 R2 keyboard with customizable RGB lighting.

4.3 Audio System

The laptop is equipped with stereo speakers, including two 2W tweeters and two 2W woofers, totaling 8W for rich audio output. Dolby Atmos support further enhances the immersive sound experience.

4.4 Connectivity

Enjoy high-speed wireless connectivity with Wi-Fi 6 (802.11ax) and Bluetooth. The USB 3.2 Gen 2 Type-C ports offer data transfer speeds up to 40Gbps, ensuring rapid file transfers and peripheral performance.

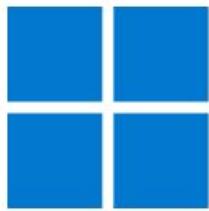


Image: Rear view of the Alienware X17 R2 showing connectivity options and lighting.

5. MAINTENANCE

5.1 Thermal Management

The Alienware X17 R2 features an advanced thermal design utilizing Element 31, an encapsulated gallium-silicone thermal interface material. This system maximizes airflow by expelling warm air through side vents and drawing in cooler air from the top of the keyboard, helping to keep the laptop cool during intensive use.



Windows 11

Image: Internal view of the Alienware X17 R2's cooling technology.

5.2 Cleaning and Care

- Regularly clean the screen with a soft, lint-free cloth and a screen-safe cleaning solution.
- Use compressed air to clear dust from the keyboard and ventilation ports.
- Avoid placing heavy objects on the laptop or exposing it to extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your Alienware X17 R2, consider the following general troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the laptop and the power outlet. Try a different outlet if necessary.
- **Display Issues:** If the screen is black, try connecting an external monitor to determine if the issue is with the laptop's display or graphics card. Restart the laptop.
- **Performance Slowdown:** Close unnecessary applications, check for background processes, and ensure your system drivers are up to date. Overheating can also cause slowdowns; ensure vents are clear.
- **Connectivity Problems:** For Wi-Fi issues, restart your router and the laptop. For Bluetooth, ensure the device is discoverable and within range.
- **Software Glitches:** Restart the laptop. If problems persist, check for Windows updates or consider reinstalling problematic software.

For more detailed troubleshooting or persistent issues, refer to the official Alienware support website or contact

customer service.

7. SPECIFICATIONS

Feature	Specification
Standing Screen Display Size	17.3 Inches
Screen Resolution	1920 x 1080 pixels
Max Screen Resolution	1920x1080 Pixels
Processor	4.7 GHz core_i7_family (Intel Core i7-12700H)
RAM	16 GB DDR5 (4800 MHz)
Hard Drive	1 TB SSD (M.2 PCIe NVMe)
Graphics Coprocessor	NVIDIA GeForce RTX 3070 Ti
Graphics Card Ram Size	8 GB GDDR6
Wireless Type	802.11ax (Wi-Fi 6), Bluetooth
Number of USB 3.0 Ports	3
Operating System	Windows 11 Home
Item Weight	6.82 pounds
Product Dimensions	11.79 x 15.72 x 0.82 inches
Color	Lunar Light
Power Source	Battery Powered
Batteries	1 Lithium Ion batteries required (included)



Image: Key specifications of the Alienware X17 R2.

8. WARRANTY AND SUPPORT

Your Alienware X17 R2 laptop comes with a manufacturer's warranty. Please refer to the included warranty documentation for details on coverage, terms, and conditions. For technical support, driver downloads, or service requests, visit the official Alienware support website or contact their customer service department.