

Eluktronics Prometheus XVI G2

Eluktronics Prometheus XVI G2 Gaming Laptop User Manual

Model: Prometheus XVI G2

1. INTRODUCTION

This document serves as a comprehensive user manual for the Eluktronics Prometheus XVI G2 gaming laptop. It provides essential information regarding product setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. Please read this manual thoroughly before using the laptop.

2. PRODUCT OVERVIEW

The Eluktronics Prometheus XVI G2 is a high-performance gaming laptop designed for demanding applications and gaming. It features an Intel Core i9-13900HX processor, NVIDIA GeForce RTX 4090 graphics, and a 16-inch QHD 240Hz display. A key feature is its compatibility with the external Liquid Propulsion Package Gen 2 (LPP G2) for enhanced thermal management.

Key Features:

- **Processor:** Intel Core i9-13900HX (24 Cores, 32 Threads, up to 5.4GHz Max Boost Clock).
- **Graphics:** NVIDIA GeForce RTX 4090 with 16GB GDDR6 VRAM (up to 175W).
- **Display:** 16.0-inch 16:10 QHD (2560 x 1600) IPS-Type 240Hz Anti-Glare Display, 500-Nit brightness.
- **Cooling:** Advanced thermal design with liquid metal on CPU & GPU, compatible with external Liquid Propulsion Package Gen 2 (LPP G2).
- **Storage:** 1TB PCIe Gen 4 NVMe SSD with an additional empty M.2 PCIe bay for expansion.
- **Memory:** 16GB DDR5 RAM.
- **Keyboard:** Membrane 4-Zone RGB Backlit NKRO Keyboard with 10-key numeric keypad.
- **Operating System:** Windows 11 Home 64-Bit.

Product Views:



Figure 2.1: Front view of the Eluktronics Prometheus XVI G2 laptop alongside its external Liquid Propulsion Package Gen 2 (LPP G2) cooling unit.



Figure 2.2: Angled view of the laptop, showcasing the illuminated RGB keyboard and display.



Figure 2.3: Left side view of the laptop, displaying various ports including USB and audio jacks.



Figure 2.4: Right side view of the laptop, displaying additional USB ports and an SD card reader.



Figure 2.5: Rear view of the laptop, highlighting the HDMI, Thunderbolt, Ethernet ports, and cooling vents.

3. WHAT'S IN THE BOX

Upon unboxing your Eluktronics Prometheus XVI G2, please verify that all the following items are present:

- Eluktronics Prometheus XVI G2 Laptop
- AC Adapter (330 Watt)
- Battery (4-Cell 62WHr Polymer)
- User Manual (this document)
- Liquid Propulsion Package Gen 2 (LPP G2) (if included with your specific configuration)

4. SETUP

4.1 Initial Power-On

1. Unpack the laptop and AC adapter from the box.
2. Connect the AC adapter to the laptop's power input port and then plug it into a wall outlet.
3. Open the laptop lid and press the power button.
4. Follow the on-screen instructions to complete the Windows 11 Home initial setup. This includes setting up your region, language, network connection, and user account.

4.2 Connecting the Liquid Propulsion Package Gen 2 (LPP G2)

The LPP G2 is an external liquid cooling solution designed to enhance thermal performance. Refer to the separate LPP G2 manual for detailed connection instructions. Generally, it involves:

1. Ensuring the LPP G2 unit is filled with distilled water as per its instructions.
2. Connecting the LPP G2's hoses to the designated ports on the rear of the laptop.
3. Connecting the LPP G2's power cable to an available power outlet.
4. Activating the LPP G2 unit according to its operational guidelines.

5. OPERATING INSTRUCTIONS

5.1 Keyboard and Touchpad

- The laptop features a 4-Zone RGB backlit membrane keyboard with N-Key Rollover and a 10-key numeric keypad.
- Keyboard backlighting can be customized via the pre-installed Eluktronics control utility.
- The glass Microsoft Precision (PTP) Touchpad supports multi-gesture and scrolling functions.

5.2 Connecting Peripherals

The laptop offers various ports for connecting external devices:

- **HDMI 2.1:** For connecting external displays (connected to dGPU).
- **Thunderbolt 4:** For high-speed data transfer and display output (connected to dGPU).
- **USB 3.1 (Gen 2) & USB 3.1 (Gen 1):** For connecting USB devices.
- **SD Card Reader:** For reading SD memory cards.
- **Ethernet RJ-45:** For wired network connection (2,500GB).
- **Audio Out & Mic In:** For external audio devices.

5.3 Wireless Connectivity

- **Wi-Fi:** Integrated Intel WiFi 6E for high-speed wireless internet access.
- **Bluetooth:** Bluetooth 5.2 for connecting wireless peripherals such as headphones or mice.

5.4 Webcam and Audio

- The integrated HD IR Camera supports Windows Hello for secure facial recognition login.
- Dual digital microphones are included for clear audio input.
- Audio is enhanced by Nahimic Audio technology.

6. MAINTENANCE

6.1 Cleaning

- Use a soft, lint-free cloth to clean the display and chassis. Avoid abrasive materials or harsh chemicals.
- For stubborn smudges, lightly dampen the cloth with water or a screen-cleaning solution.
- Regularly clean the cooling vents to prevent dust buildup, which can impede airflow and thermal performance. Use compressed air for this purpose.

6.2 Battery Care

- To prolong battery life, avoid consistently discharging the battery completely or keeping it at 100% charge for extended periods.
- Store the laptop in a cool, dry place if not in use for a long duration.

6.3 Storage and Memory Expansion

The laptop includes one empty M.2 PCIe bay, allowing for additional storage expansion. For memory upgrades, consult the Eluktronics support website or a qualified technician to ensure compatibility and proper installation.

6.4 LPP G2 Maintenance

Refer to the specific maintenance instructions provided with your Liquid Propulsion Package Gen 2 (LPP G2) unit. This typically involves periodic checks of coolant levels and cleaning of the radiator fins.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your laptop. For more complex problems, please contact Eluktronics technical support.

- **Laptop does not power on:** Ensure the AC adapter is securely connected to both the laptop and a working power outlet. Verify the power button is pressed firmly.
- **No display on screen:** Check if the laptop is powered on. If an external monitor is connected, try disconnecting it or switching display modes (e.g., via Fn + F-key combination).
- **Wi-Fi or Bluetooth not working:** Ensure wireless functions are enabled in Windows settings. Check for updated drivers on the Eluktronics support website.
- **Overheating:** Ensure cooling vents are clear of obstructions. If using the LPP G2, verify it is properly connected and operational. Consider adjusting power profiles in Windows or the Eluktronics control utility.
- **Slow performance:** Check for background applications consuming resources. Ensure sufficient free storage space. Update drivers and Windows.

8. SPECIFICATIONS

Feature	Specification
Model Name	Prometheus XVI G2
Processor	Intel Core i9-13900HX (2.2 GHz, up to 5.4 GHz)
RAM	16 GB DDR5
Storage	1 TB SSD (PCIe Gen 4 NVMe)
Graphics Coprocessor	NVIDIA GeForce RTX 4090
Graphics Card RAM Size	16 GB GDDR6
Screen Size	16 Inches
Screen Resolution	2560 x 1600 Pixels (QHD)
Max Screen Resolution	2560x1600 Pixels
Refresh Rate	240Hz
Operating System	Windows 11 Home
Wireless Type	802.11ax (Intel WiFi 6E)
Bluetooth	Bluetooth 5.2
Ports	1x HDMI 2.1, 1x Thunderbolt 4, 1x USB 3.1 (Gen 2), 2x USB 3.1 (Gen 1), SD Card Reader, 1x 2.5Gb Ethernet RJ-45, Audio out & Mic In
Webcam	HD IR Camera with Windows Hello Support
Battery	4-Cell 62WHr Polymer
Item Weight	5.3 pounds
Product Dimensions	14.05 x 10.78 x 1.1 inches
Color	White (two-tone white and black design)

9. WARRANTY AND SUPPORT

Your Eluktronics Prometheus XVI G2 laptop comes with a **One Year Warranty**. This warranty covers manufacturing defects and hardware malfunctions under normal use conditions.

Eluktronics provides **lifetime USA-based technical support** for your product. If you encounter any issues not covered in this manual or require further assistance, please contact our support team through the official Eluktronics website or the

contact information provided with your purchase documentation.

For the most up-to-date drivers, firmware, and support resources, please visit the official Eluktronics support portal.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question