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> HIDEvolution EVOC X5801C (X580WNT-G) 18" Gaming Laptop User Manual

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Model: EVOC X5801C (X580WNT-G)

Brand: HIDEvolution

INTRODUCTION

This manual provides instructions for the setup, operation, maintenance, and troubleshooting of your HIDEvolution EVOC X5801C (X580WNT-G) 18" Gaming Laptop. Please read this manual thoroughly before using your device to ensure proper functionality and longevity.



A general view of the HIDEvolution EVOC X5801C (X580WNT-G) 18" Gaming Laptop, showcasing its sleek design and open display.

1. INITIAL SETUP

1.1 Unpacking

Carefully remove the laptop and all accessories from the packaging. Ensure all components are present: the laptop, power adapter, and any included documentation.

1.2 Connecting Power

Connect the power adapter to the laptop's power input port and then to a functional wall outlet. The laptop can be used while charging, and it is recommended to keep it plugged in for optimal performance during demanding tasks.


1.3 First Boot

Press the power button to turn on the laptop. Follow the on-screen instructions to complete the Windows 11 Pro initial setup, including language selection, network connection, and user account creation.

2. OPERATING YOUR LAPTOP

2.1 Display

Your laptop features an 18-inch QHD+ (2560x1600) 240Hz display with wide viewing angles, 100% DCI-P3 color gamut, and G-Sync technology for smooth visuals. The matte finish reduces glare, providing a comfortable viewing experience.

18" QHD+ (2560x1600) 240Hz | 




Wide View Angle, 100% DCI-P3, G-Sync
Display, Matte Finished

The 18-inch QHD+ display of the EVOX X5801C laptop, showing its wide screen and minimal bezels, ideal for immersive viewing.

2.2 Keyboard and Touchpad

The laptop is equipped with a multi-language LED per-key full-color illuminated keyboard, including a numeric pad. The built-in click pad supports Microsoft PTP multi-gesture and scrolling functions for intuitive navigation.

Multi languages LED Per Key full color illuminated full size isolated keyboard with numeric pad | 



Built in Click pad with Microsoft PTP multi-gesture and scrolling function

A top-down view of the laptop's keyboard, highlighting the per-key RGB backlighting and the integrated touchpad below.

2.3 Power Management and Operating System

The laptop is powered by an embedded 99WH Polymer battery pack, providing portable power. The operating system is Windows 11 Pro, 64-bit, English version, offering a secure and feature-rich computing environment.

Genuine Windows® 11 Pro, 64bit, English | 



Embedded Polymer battery pack, 99WH | 

An image showing the laptop from two angles, emphasizing the Windows 11 Pro operating system and the integrated 99WH polymer battery.

3. MAINTENANCE

3.1 Thermal Management

To ensure optimal performance and system longevity, your HIDevolution laptop utilizes Gelid GC Extreme thermal interface material on both the CPU and GPU. This helps maintain lower system temperatures, prevents thermal throttling during intensive use, and minimizes fan noise.

Regularly clean the fan vents to prevent dust buildup, which can impede airflow and reduce cooling efficiency. Use compressed air to gently clear dust from the vents.

Installed by HIDevolution



Gelid GC Extreme Compound on CPU + GPU for Optimal System Temperature

An internal view of the laptop's cooling system, indicating the application of Gelid GC Extreme thermal compound on the CPU and GPU for enhanced heat dissipation.

3.2 Storage Management

The 1 TB M.2 PCIe 4.0 x4 NVMe SSD provides fast boot-up and load times. To maintain performance, avoid filling the drive to full capacity. Periodically run disk cleanup utilities provided by Windows 11 Pro to remove temporary files and optimize storage.

PCIe Based Storage |



1 TB M.2 PCIe 4.0 x4 NVMe SSD

An image of the laptop's underside, highlighting the PCIe-based storage components, specifically the 1 TB M.2 PCIe 4.0 x4 NVMe SSD.

3.3 RAM Management

The laptop is equipped with 16 GB (2 x 8 GB) of DDR5 5600MHz dual-channel RAM, allowing for smooth multitasking and handling of memory-intensive applications. Ensure that unnecessary applications are closed when not in use to free up system resources.

16 GB DDR5 5600MHz | 



2 x 8 GB

A close-up view of the laptop's internal memory modules, showing the 16 GB (2 x 8 GB) DDR5 5600MHz RAM configuration.

4. TROUBLESHOOTING

4.1 Power Issues

- **Laptop does not turn on:** Ensure the power adapter is securely connected to both the laptop and a working power outlet. Check if the power outlet is functional.
- **Battery not charging:** Verify the power adapter connection. If the issue persists, contact support.

4.2 Display Issues

- **No display:** Connect an external monitor to check if the issue is with the laptop's internal display. Restart the laptop.
- **Flickering screen:** Update graphics drivers. Check display cable connections if using an external monitor.

4.3 Performance Issues

- **Slow performance:** Close unnecessary applications. Check for background processes consuming high CPU/RAM. Ensure adequate free space on the SSD.
- **Overheating:** Ensure fan vents are clear of obstructions. Consider reducing demanding workloads if

temperatures remain high.

4.4 Keyboard/Touchpad Issues

- **Keyboard or touchpad unresponsive:** Restart the laptop. Check for updated drivers in Windows Device Manager.

5. TECHNICAL SPECIFICATIONS

Component	Detail
Model Name	EVOX X5801C (X580WNT-G)
Processor	Intel Core Arrow Lake Ultra 9-275HX (2.1 GHz, Max Turbo 5.5 GHz, 24 Core - 24 Thread)
Graphics	NVIDIA GeForce RTX 5090 w/ 24 GB GDDR7
Display	18" QHD+ (2560x1600) 240Hz, Wide View Angle, 100% DCI-P3, G-Sync, Matte Finish
RAM	16 GB (2 x 8 GB) DDR5 5600MHz
Storage	1 TB M.2 PCIe 4.0 x4 NVMe SSD
Operating System	Windows 11 Pro
Keyboard	Multi-languages LED Per Key full color illuminated, numeric pad
Touchpad	Microsoft PTP multi-gesture and scrolling function
Battery	Embedded Polymer battery pack, 99WH
Dimensions (LxWxH)	15.59 x 10.95 x 0.98 inches
Weight	7.25 pounds
USB Ports	2x USB 3.0 (minimum, based on provided data)

Intel Ultra 9-275HX 2.1-5.5 GHz 24 Core - 24 Thread | 



NVIDIA GeForce RTX 5090 w/ 24 GB GDDR7

A view of the laptop's internal components, highlighting the Intel Ultra 9-275HX processor and the NVIDIA GeForce RTX 5090 graphics card.

6. WARRANTY AND SUPPORT

Your HIDevolution EVOC X5801C (X580WNT-G) laptop comes with an EVOC 1-Year Warranty. HIDevolution is an authorized EVOC Build-to-Order (BTO) dealer, ensuring quality and reliable service.

For any warranty claims, technical assistance, or support, please contact HIDevolution's expert support staff. Refer to your purchase documentation for specific contact details.

HIDevolution Promise |

- Authorized EVOC BTO Dealer
- Thorough Quality Testing
- 1-Year
- Expert Support Staff



An image summarizing HIDevolution's commitment: Authorized EVOC BTO Dealer, thorough quality testing, 1-Year Warranty, and expert support staff.