**WVX A02**

# WVX Gaming Laptop R9-6900HX User Manual

Model: A02

## 1. PRODUCT OVERVIEW

The WVX Gaming Laptop R9-6900HX (Model A02) is a high-performance portable computer designed for demanding tasks such as gaming, content creation, and multitasking. It features an AMD Ryzen 9 6900HX processor, AMD Radeon 680M integrated graphics, and fast DDR5 memory.

Image 1.1: WVX Gaming Laptop R9-6900HX

## Key Features:

- **High-Performance CPU:** AMD Ryzen 9 6900HX with 8 cores and 16 threads, up to 4.9 GHz.
- **Integrated Graphics:** AMD Radeon 680M, delivering strong visual performance.
- **Fast Memory:** 32GB DDR5 RAM, expandable up to 64GB.
- **Ample Storage:** 512GB SSD, expandable up to 2TB.
- **Vibrant Display:** 16-inch Full HD (1920x1200) screen.
- **Advanced Connectivity:** Wi-Fi 6 and Bluetooth 5.2.
- **Operating System:** Pre-installed with Windows 11 Pro.

## 2. SETUP

### 2.1 Unboxing and Initial Inspection

Carefully remove the laptop and its accessories from the packaging. Ensure all components listed in the 'What's in the Box' section are present and undamaged.

- R9-6900HX laptop
- PD100W adapter (charger)

## 2.2 Connecting the Power Adapter

Connect the PD100W adapter to the laptop's power input port and then plug it into a power outlet. It is recommended to fully charge the laptop before its first use.

## 2.3 Initial Boot-up and Windows Setup

Press the power button located on the laptop. The system will guide you through the initial Windows 11 Pro setup process. Follow the on-screen instructions to configure your language, region, network, and user account.

## 3. OPERATING INSTRUCTIONS

## 3.1 Keyboard and Touchpad

The laptop features a full-size keyboard with a numeric keypad and a responsive touchpad. The keyboard is backlit for comfortable use in low-light conditions. The touchpad supports multi-touch gestures for enhanced navigation.

Image 3.1: Laptop keyboard and touchpad layout.

## 3.2 Display and Graphics

The 16-inch FHD display offers a resolution of 1920x1200 pixels, providing clear and vibrant visuals. The AMD Radeon 680M graphics processor handles demanding visual tasks efficiently.

Image 3.2: Display features including 300 nits brightness, IPS, and low blue light.

## 3.3 Ports and Connectivity

The laptop is equipped with various ports for external devices and connectivity:

- 4x USB 3.0 Ports
- HDMI Port
- Full-function Type-C Port (supports charging, data transfer, external 4K monitor)
- 3.5mm Earphone Jack
- SD Card Reader

For wireless connectivity, the laptop supports Wi-Fi 6 for high-speed internet and Bluetooth 5.2 for connecting peripherals.

Image 3.3: Overview of available ports and physical dimensions.

# 4. MAINTENANCE

## 4.1 Cleaning

To maintain optimal performance and appearance, regularly clean your laptop. Use a soft, lint-free cloth for the screen and exterior. For stubborn smudges, a slightly dampened cloth with water or a specialized screen cleaner can be used. Avoid harsh chemicals.

## 4.2 Software Updates

Regularly update your Windows operating system and drivers to ensure system stability, security, and optimal performance. Windows Update can be accessed through the Settings menu.

## 4.3 Storage and Memory Upgrades

The laptop's RAM can be upgraded to a maximum of 64GB, and the SSD storage can be expanded up to 2TB. Consult a qualified technician for hardware upgrades to avoid voiding your warranty.



Image 4.1: Illustration of memory and storage upgrade capabilities.

# 5. TROUBLESHOOTING

## 5.1 Power Issues

- **Laptop not turning on:** Ensure the power adapter is securely connected and the battery has sufficient charge. Try a different power outlet.
- **Battery not charging:** Verify the power adapter is functioning correctly. Check the charging port for any obstructions.

## 5.2 Display Problems

- **Blank screen:** Connect an external monitor to check if the issue is with the laptop's display. Restart the laptop.
- **Flickering screen:** Update graphics drivers. Adjust display refresh rate in Windows settings.

## 5.3 Performance Issues

- **Slow performance:** Close unnecessary applications. Check for malware. Ensure sufficient free storage space.
- **Overheating:** Ensure ventilation vents are clear. Consider using a cooling pad.

Image 5.1: Illustration of the laptop's cooling system with pure copper heat pipes and fan speed.

## 6. SPECIFICATIONS

| Feature | Specification |
| --- | --- |
| Brand | WVX |
| Model Name | R9-6900HX (A02) |
| Processor | AMD Ryzen 9 6900HX (4.9 GHz, 8 Cores, 16 Threads) |
| Graphics Coprocessor | AMD Radeon 680M |
| RAM | 32 GB DDR5 (Max 64GB) |
| Hard Drive | 512 GB SSD (Max 2TB) |
| Screen Size | 16 Inches |
| Max Screen Resolution | 1920x1200 Pixels |
| Operating System | Windows 11 Pro |
| Wireless Type | 802.11ax (Wi-Fi 6) |
| Bluetooth | 5.2 |
| Number of USB 3.0 Ports | 4 |
| Product Dimensions | 14 x 9.7 x 0.78 inches |
| Item Weight | 5.89 pounds |
| Battery | 58Wh |
| Special Features | Backlit Keyboard, Fingerprint Reader, HD Audio |

## 7. WARRANTY AND SUPPORT

WVX offers comprehensive support for your laptop:

- **Technical Support:** Enjoy unlimited technical support.
- **Repair Service:** 12 months of repair service for all customers.
- **Response Time:** Online connection within 24 hours for inquiries.

For any questions or concerns, please reach out to the WVX support team.
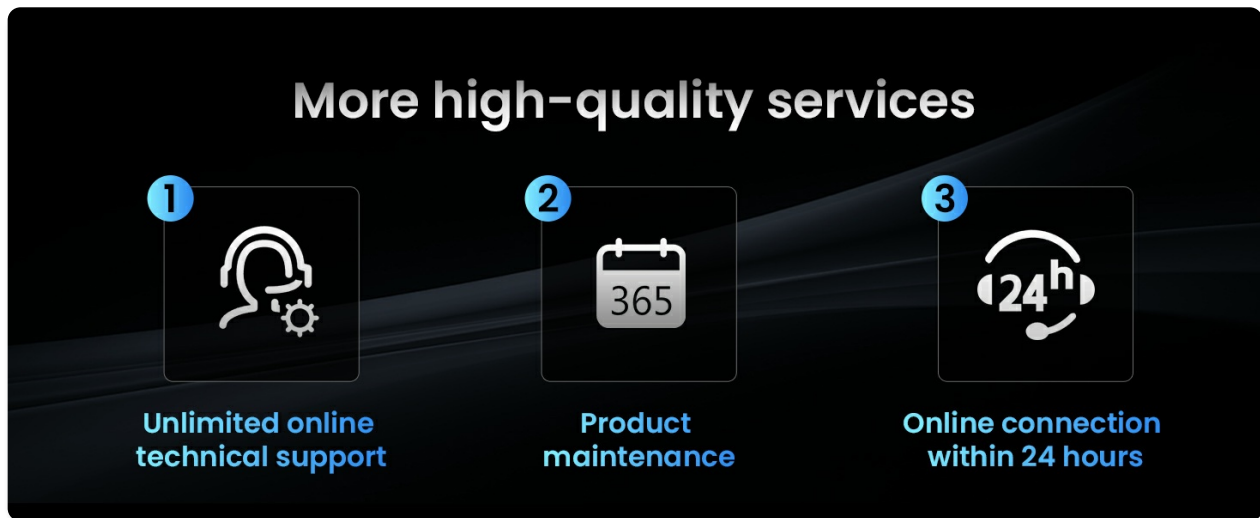


Image 7.1: Overview of WVX customer support services.

## 8. OFFICIAL PRODUCT VIDEO

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Video 8.1: An official video showcasing the WVX R9 6900HX Laptop, highlighting its features and design.