

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [acer](#) /

> [Acer Predator Orion 3000 PO3-655-UR16 Gaming Desktop User Manual](#)

acer PO3-655-UR16

# Acer Predator Orion 3000 PO3-655-UR16 Gaming Desktop User Manual

Model: PO3-655-UR16

## INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Acer Predator Orion 3000 PO3-655-UR16 Gaming Desktop. Please read this guide thoroughly to ensure optimal performance and longevity of your system.

The Predator Orion 3000 is a powerful and compact gaming PC featuring an Intel Core i7-14700F processor and NVIDIA GeForce RTX 4060 graphics, designed for an immersive gaming and computing experience.

## 1. SETUP GUIDE

### 1.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that the following items are included:

- Acer Predator Orion 3000 Desktop
- USB Keyboard
- USB Mouse
- Power Cord
- Documentation (this manual, warranty card)

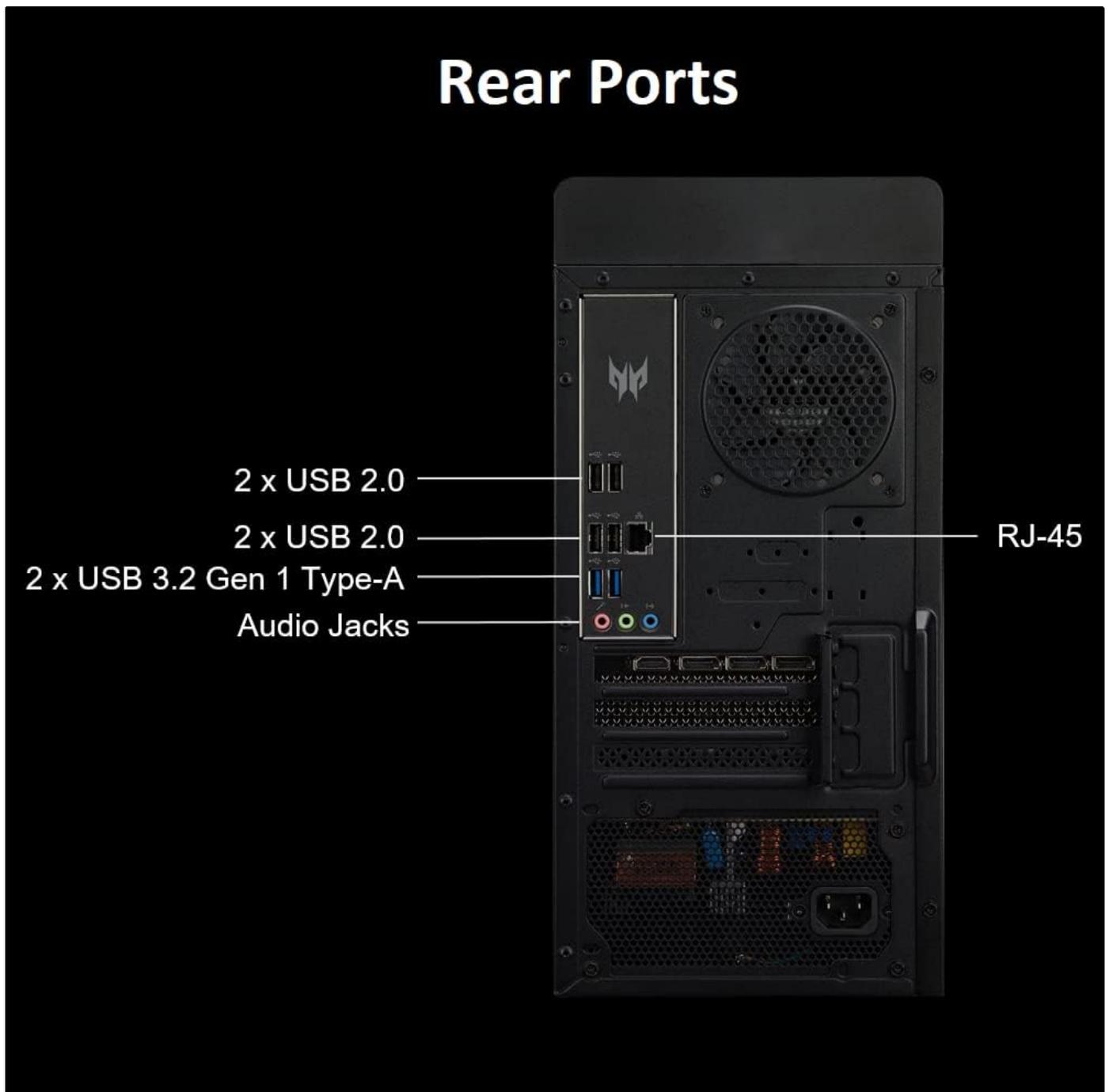
Inspect the desktop for any visible damage. If any components are missing or damaged, contact Acer support immediately.

### 1.2 Connecting Peripherals

1. **Connect Monitor:** Connect your monitor to the NVIDIA GeForce RTX 4060 graphics card using a DisplayPort or HDMI cable. The graphics card has 3 x Display Ports 1.4a and 1 x HDMI 2.1 Port.
2. **Connect Keyboard and Mouse:** Plug the included USB keyboard and mouse into any available USB ports on the desktop.
3. **Connect Power:** Connect the power cord to the desktop's power input and then to a grounded electrical outlet.
4. **Network Connection:**

- **Wired (Ethernet):** Connect an Ethernet cable from your router or modem to the RJ-45 Ethernet port on the rear of the desktop.
- **Wireless (Wi-Fi):** The desktop supports Intel Wi-Fi 6E AX211 (Gig+). Once powered on, you can configure Wi-Fi settings within Windows 11.

5. **Audio Devices:** Connect headphones, speakers, or other audio devices to the front or rear audio jacks as needed.



**Image:** Rear view of the Acer Predator Orion 3000 desktop, highlighting the various ports including USB 2.0, USB 3.2 Gen 1 Type-A, Audio Jacks, and RJ-45 Ethernet.

### 1.3 Initial Power-On and Windows Setup

Press the power button located on the front of the desktop. The system will boot up, and you will be guided through the Windows 11 Home setup process. Follow the on-screen instructions to configure your operating system, create a user account, and connect to your network.

## 2. OPERATING INSTRUCTIONS

---

## 2.1 Power On/Off and Restart

- **Power On:** Press the power button on the front of the desktop.
- **Shut Down:** Click the Start button in Windows, then select Power > Shut down.
- **Restart:** Click the Start button in Windows, then select Power > Restart.

## 2.2 Using USB Ports

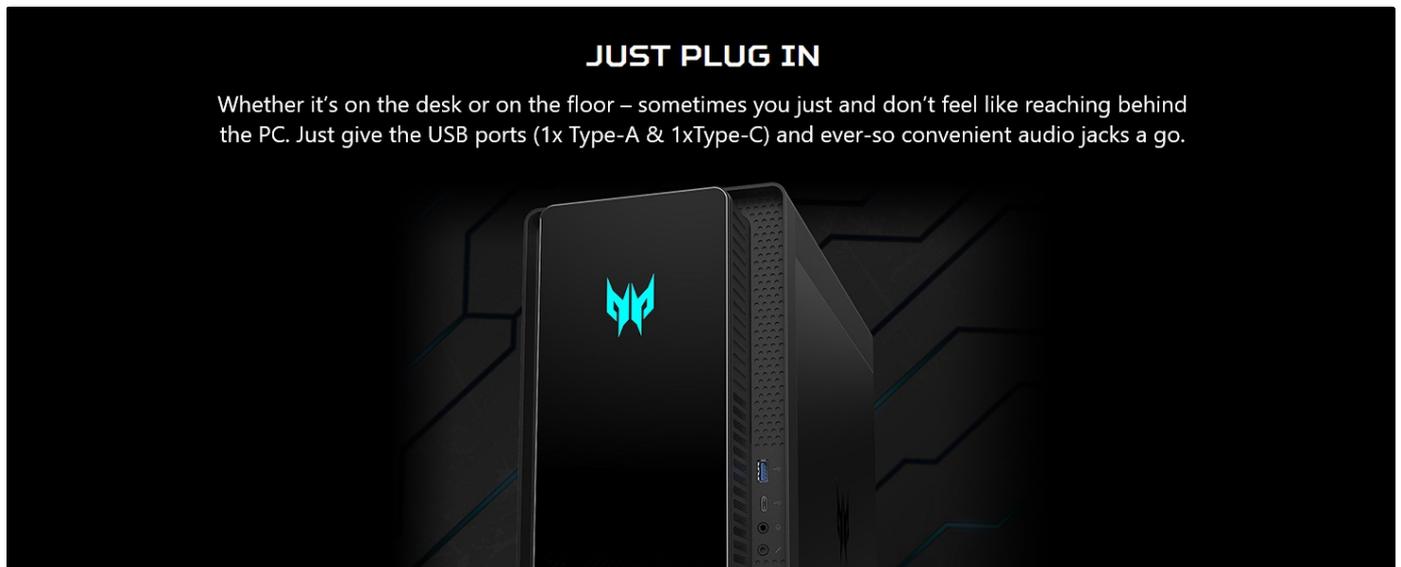
The desktop features a variety of USB ports for connecting peripherals and external devices:

- **Front:** 1 x USB 3.2 Gen2x2 20 Gbps Type-C Port, 1 x USB 3.2 Gen2 10Gbps Type A Port.
- **Rear:** 2 x USB 3.2 Gen1 5Gbps Ports, 4 x USB 2.0 480Mbps Ports.

Ensure you connect high-speed devices (e.g., external SSDs) to the faster USB 3.2 ports for optimal performance.

## 2.3 DTS X: Ultra Audio

Your Predator Orion 3000 is equipped with DTS X: Ultra Audio technology, providing an immersive audio experience. This feature allows for custom tuning, sound maximization, and enhancement for headphones and speakers, creating a 360° surround sound system.



**Image:** DTS X Ultra Audio technology illustration, depicting immersive sound capabilities for headphones and speakers.

## 2.4 PredatorSense Software

Utilize the pre-installed PredatorSense software to monitor system performance, customize RGB lighting (Pulsar Lighting), and control fan speeds. This allows you to personalize your desktop's aesthetics and optimize cooling based on your usage.



**Image:** Screenshot of the PredatorSense software, demonstrating options for system monitoring, Pulsar Lighting customization, and fan control.

## 3. MAINTENANCE

### 3.1 Cleaning Your Desktop

- **Exterior:** Use a soft, damp cloth to clean the exterior surfaces. Avoid abrasive cleaners.
- **Dust:** Periodically use compressed air to clear dust from the vents and fan areas to maintain optimal airflow and cooling. Ensure the system is powered off and unplugged before cleaning.
- **Tempered Glass Panel:** Clean the tempered glass panel with a microfiber cloth and a mild glass cleaner.



**Image:** Internal view of the Predator Orion 3000 desktop, highlighting the FrostBlade fans responsible for cooling.

### 3.2 Software Updates

Regularly update your Windows operating system, graphics drivers (NVIDIA), and other system drivers to ensure stability, security, and optimal performance. You can check for Windows updates via Settings > Windows Update.

### 3.3 Component Upgrades

The Predator Orion 3000 features a DIY, tool-less design for easier access and upgrades. The system supports up to 64GB DDR5 memory and includes a 1TB M.2 PCIe Gen 4 SSD, with options for additional storage. Refer to the official

Acer support website for compatible upgrade components and detailed instructions.



**Image:** Side view of the Predator Orion 3000 desktop, showcasing the transparent EMI-compliant tempered glass panel for easy internal access and upgrades.

## 4. TROUBLESHOOTING

---

This section addresses common issues you might encounter with your desktop.

### 4.1 No Power

- Ensure the power cord is securely connected to both the desktop and the electrical outlet.
- Verify the power outlet is functional by plugging in another device.
- Check the power supply switch on the rear of the desktop (if applicable) is in the 'On' position.

### 4.2 No Display on Monitor

- Confirm the monitor is powered on and correctly connected to the graphics card's DisplayPort or HDMI output.
- Ensure the monitor's input source is set correctly (e.g., HDMI 1, DisplayPort).
- Try connecting the monitor to a different display output on the graphics card.

### 4.3 Network Connectivity Issues

- **Wired:** Check if the Ethernet cable is securely connected and if the router/modem is working.
- **Wireless:** Ensure Wi-Fi is enabled in Windows settings. Restart your router/modem. Verify your Wi-Fi password.
- Run Windows Network Troubleshooter (Settings > Network & Internet > Advanced network settings > Network troubleshooter).

### 4.4 System Performance Issues

- Close unnecessary background applications.
- Ensure drivers (especially graphics drivers) are up to date.
- Check for malware or viruses using Windows Security.
- Monitor system temperatures using PredatorSense to ensure proper cooling.

If issues persist, refer to the Acer support website or contact technical support.

## 5. SPECIFICATIONS

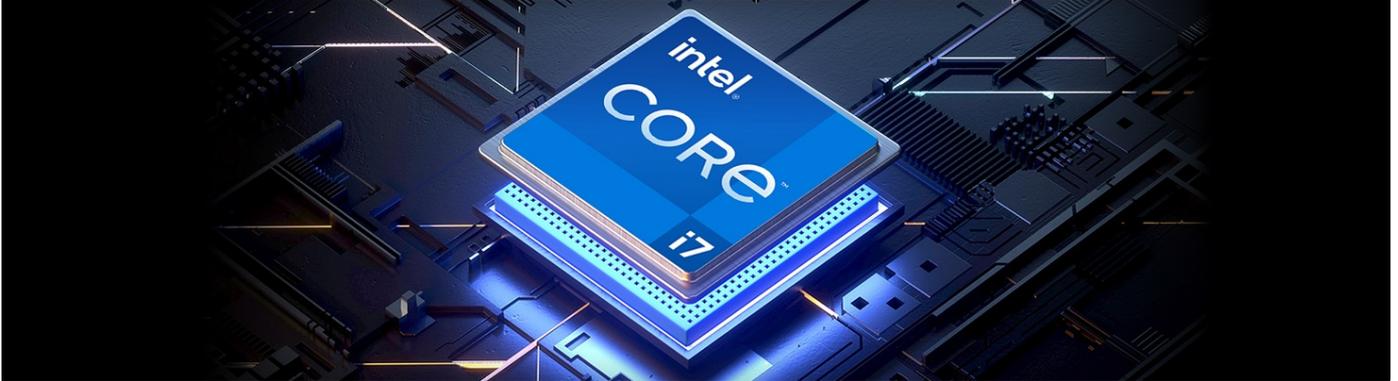
Feature	Detail
Model Name	Predator Orion 3000
Model Number	PO3-655-UR16
Operating System	Windows 11 Home
Processor	Intel Core i7-14700F (20-Core, up to 5.4GHz)
Graphics Card	NVIDIA GeForce RTX 4060 with 8GB GDDR6
Memory (RAM)	16GB DDR5-4400 (expandable to 64GB)
Storage	1TB M.2 2280 PCIe Gen 4 SSD
Wireless Connectivity	Intel Wi-Fi 6E AX211 (Gig+), Bluetooth
Ethernet	Killer Ethernet E2600
Front Ports	1x USB 3.2 Gen2x2 Type-C, 1x USB 3.2 Gen2 Type A, 2x Audio Jacks
Rear Ports	2x USB 3.2 Gen1, 4x USB 2.0, 3x Audio Jacks, 1x RJ-45 Ethernet
Video Output	3x DisplayPort 1.4a, 1x HDMI 2.1
Audio	DTS X: Ultra Audio
Cooling	Predator FrostBlade™ 3.0 fans
Chassis Features	See Through EMI-Compliant Tempered Glass Panel
Dimensions (HxWxD)	15.16 x 6.89 x 14.84 inches (approx.)
Included Accessories	USB Keyboard, USB Mouse, Power Cord



Image: Diagram illustrating the Intel Core i7-14700F Processor, highlighting its 20 cores and up to 5.4GHz speed.

## Ready For Anything

Treat yourself to a new gaming PC and the supreme, task-mastering performance of the Orion 3000. The next-gen, PCIe Gen-capable upgradeable desktop comes complete with the latest Intel i7-14700F processor, GeForce RTX™ 40 Series graphics, and support for blazing DDR5 configurations.



**Image:** Illustration of the NVIDIA GeForce RTX 40 Series graphics, emphasizing its speed and Ada Lovelace architecture.

## 6. WARRANTY INFORMATION

---

Your Acer Predator Orion 3000 PO3-655-UR16 Gaming Desktop comes with a **1 Year Parts and Labor Limited Warranty**. This warranty covers defects in materials and workmanship under normal use during the warranty period. For detailed terms and conditions, please refer to the warranty card included with your product or visit the official Acer support website.

## 7. SUPPORT

---

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Acer Technical Support. You can find contact information and additional resources on the official Acer website:

**Acer Support Website:** [www.acer.com/support](http://www.acer.com/support)

Please have your product model number (PO3-655-UR16) and serial number ready when contacting support.