

## CyberpowerPC GUA590

# CyberpowerPC Gamer Ultra GUA590 Desktop PC User Manual

This manual provides essential instructions for setting up, operating, maintaining, and troubleshooting your CyberpowerPC Gamer Ultra GUA590 desktop computer.

## 1. INTRODUCTION

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The CyberpowerPC Gamer Ultra GUA590 is a high-performance desktop computer designed for gaming and demanding computing tasks. It features an AMD FX-8320 3.5GHz eight-core processor, 16GB DDR3 RAM, NVIDIA GTX 1060 6GB graphics, a 1TB HDD, and a 120GB SSD, running on Windows 10 Home 64-Bit. This manual will guide you through the necessary steps to get your system operational and maintain its performance.

## 2. SETUP

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### 2.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Ensure the following items are present:

- CyberpowerPC Gamer Ultra GUA590 Desktop Tower
- USB Gaming Keyboard
- USB Gaming Mouse
- Power Cord
- Driver Discs (for Windows 10 and graphics card)
- Documentation (this manual)



Figure 2.1: The CyberpowerPC Gamer Ultra GUA590 desktop PC with its included keyboard, mouse, power cord, and driver discs.

## 2.2 Connecting Peripherals

Before powering on your system, connect all necessary peripherals:

1. **Monitor:** Connect your monitor to the graphics card's output ports (HDMI, DVI, or DisplayPort) located at the rear of the PC. Ensure the monitor's power cable is connected and the monitor is powered on.
2. **Keyboard and Mouse:** Connect the USB keyboard and mouse to any available USB ports on the rear or front of the PC.
3. **Network:** For a wired internet connection, connect an Ethernet cable from your router or modem to the RJ-45 network port on the rear of the PC. For wireless, ensure your system is equipped with Wi-Fi and follow the on-screen instructions during Windows setup.
4. **Audio:** Connect speakers or headphones to the appropriate audio jacks on the rear or front of the PC.
5. **Power:** Connect the provided power cord to the power supply unit (PSU) at the rear of the PC and then to a grounded electrical outlet.



Figure 2.2: Front I/O panel showing USB 3.0 ports, headphone/microphone jacks, and the power button.





Figure 2.3: Top-down view of the PC, illustrating the layout of the front panel ports and the top exhaust fan.

## 2.3 Initial Power On and Windows Setup

After connecting all peripherals:

1. Press the power button located on the front panel of the PC.
2. The system will boot up, and you will be guided through the Windows 10 Home setup process. Follow the on-screen instructions to configure your region, language, user account, and network settings.

3. Once Windows is set up, it is recommended to install any necessary drivers from the provided discs or download the latest drivers from the CyberpowerPC and NVIDIA websites for optimal performance.

## 3. OPERATING YOUR PC

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### 3.1 Power On/Off and Restart

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

### 3.2 Connecting to the Internet

If you connected an Ethernet cable during setup, your PC should automatically connect to the internet. For Wi-Fi:

1. Click the Wi-Fi icon in the system tray (bottom right of the screen).
2. Select your desired Wi-Fi network from the list.
3. Enter the network security key (password) if prompted, then click Connect.

### 3.3 Multi-Monitor Setup

Your CyberpowerPC Gamer Ultra GUA590 supports multiple monitors. To set up additional displays:

1. Connect additional monitors to the available video output ports on your graphics card.
2. Right-click on the desktop and select "Display settings."
3. Windows should detect the new monitors. You can then arrange them, choose display modes (extend, duplicate), and set resolutions.

## 4. MAINTENANCE

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### 4.1 System Cleaning

Regular cleaning helps maintain optimal performance and extends the lifespan of your PC:

- **Exterior:** Use a soft, damp cloth to clean the exterior of the case. Avoid harsh chemicals.
- **Interior (Dust):** Periodically, and with the PC powered off and unplugged, use compressed air to clear dust from fans, heatsinks, and vents. This prevents overheating.
- **Ports:** Ensure all ports are free of dust and debris.



Figure 4.1: Side view of the PC, showing internal components that may require occasional dust removal.

## 4.2 Software Updates

Keep your operating system and drivers updated for security and performance:

- **Windows Updates:** Go to Start > Settings > Update & Security > Windows Update and check for updates regularly.
- **Graphics Drivers:** Download the latest NVIDIA drivers from the official NVIDIA website.
- **Other Drivers:** Check the CyberpowerPC support website for any system-specific driver updates.

## 5. TROUBLESHOOTING

This section addresses common issues you might encounter.

### 5.1 No Display on Monitor

- **Check Cables:** Ensure the monitor's power cable and video cable (HDMI, DVI, DisplayPort) are securely connected to both the monitor and the PC's graphics card.
- **Monitor Input:** Verify that your monitor is set to the correct input source.
- **Power Cycle:** Turn off both the PC and monitor, unplug them from the wall, wait 30 seconds, then plug them

back in and power on.

- **Test with Another Monitor/Cable:** If possible, test with a different monitor or video cable to isolate the issue.

## 5.2 USB Ports Not Functioning

- **Restart PC:** A simple restart can often resolve minor driver issues.
- **Test Different Ports:** Try connecting the USB device to a different USB port on the PC.
- **Test Different Device:** Connect a known working USB device to confirm if the issue is with the port or the device itself.
- **Check Device Manager:** In Windows, open Device Manager (search for it in the Start menu) and check for any yellow exclamation marks next to USB controllers, indicating driver issues.

## 5.3 System Overheating or Loud Fans

- **Check Airflow:** Ensure the PC's vents are not obstructed and there is adequate airflow around the case.
- **Clean Dust:** Refer to Section 4.1 for instructions on cleaning dust from inside the PC.
- **Monitor Temperatures:** Use system monitoring software to check CPU and GPU temperatures. If temperatures are consistently high, further investigation or professional assistance may be required.

## 5.4 Operating System Issues

- **Windows Recovery:** Windows 10 offers recovery options to reset or reinstall the operating system. Access these via Start > Settings > Update & Security > Recovery.
- **Driver Discs:** Use the provided driver discs to reinstall essential drivers if they become corrupted.

If you encounter issues not covered here or require further assistance, please contact CyberpowerPC technical support.

## 6. SPECIFICATIONS

Component	Specification
Model Name	GUA590
Operating System	Windows 10 Home 64-Bit
CPU Model	AMD FX-8320 Eight-Core
CPU Speed	3.5 GHz
RAM Memory Installed Size	16 GB DDR3 SDRAM
RAM Memory Maximum Size	32 GB
Graphics Card	NVIDIA GeForce GTX 1060 6GB GDDR5
Storage	1TB HDD (SATA III) + 120GB SSD
Optical Drive	24X DVD+-RW
USB Ports	4x USB 3.0 (and other USB 2.0 ports)
Video Output	1x HDMI, 1x DVI, 1x DisplayPort

Component	Specification
Network	Gigabit LAN (RJ-45), Wi-Fi
Audio	7.1 Channel HD Audio
Dimensions (Item)	20.16 x 9.25 x 21.57 inches
Weight (Item)	32 Pounds

## 7. WARRANTY AND SUPPORT

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### 7.1 Warranty Information

Your CyberpowerPC Gamer Ultra GUA590 comes with a **1 Year Limited Warranty** covering parts and labor from the date of purchase. This warranty protects against defects in materials and workmanship under normal use. For detailed warranty terms and conditions, please refer to the documentation included with your product or visit the official CyberpowerPC website.

### 7.2 Technical Support

CyberpowerPC provides **Lifetime Toll-Free Technical Support Services** for your product. If you encounter any issues or have questions regarding your PC, please contact our support team:

- **Technical Support Hotline:** [\(888\) 937-5582](tel:8889375582)
- **Technical Support E-mail:** [techteam@cyberpowerpc.com](mailto:techteam@cyberpowerpc.com)

When contacting support, please have your system's serial number and purchase information readily available to expedite assistance.