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STGAubron ABR1722

STGAubron Gaming PC Desktop User Manual

Model: ABR1722 - AMD Ryzen 5 5500 / Radeon RX 580

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your STGAubron Gaming PC Desktop. This high-performance system is designed for various applications, including gaming, academic work, business tasks, photo and video editing, streaming, and financial trading.

The STGAubron Gaming PC Desktop (Model ABR1722) is equipped with an AMD Ryzen 5 5500 processor (3.6GHz up to 4.2GHz, 6-Cores, 12-Threads), 16GB DDR4 Memory, a 512GB Solid State Drive, and runs on Genuine Windows 11 Home 64-bit. Graphics are powered by an AMD Radeon RX 580 8G GDDR5 Video Card. Connectivity options include Wi-Fi 6, Bluetooth 5.2, 1x RJ-45 Ethernet, 1x Serial port, 1x HDMI, 1x DisplayPort, and 1x DVI. The system also features four RGB fans for enhanced cooling and aesthetics.



Image: The STGAubron Gaming PC Desktop tower, featuring RGB fans, accompanied by an RGB keyboard and mouse.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- STGAubron Gaming PC Desktop Tower
- RGB Gaming Keyboard
- RGB Gaming Mouse
- Power Cable
- Documentation (including this manual)

3. SETUP GUIDE

Follow these steps to set up your new gaming PC:

1. **Unpacking:** Carefully remove the PC tower and all accessories from the packaging. Retain packaging for future transport or warranty claims.
2. **Placement:** Place the PC tower on a stable, flat surface with adequate ventilation. Ensure that air vents are not obstructed.
3. **Connect Monitor:** Connect your monitor to the graphics card ports (HDMI, DisplayPort, or DVI) located at the rear of the PC. Ensure the cable is securely fastened.
4. **Connect Peripherals:** Plug the RGB Gaming Keyboard and RGB Gaming Mouse into available USB ports on the PC.
5. **Connect to Network:**
 - **Wired Connection:** Connect an Ethernet cable from your router or modem to the RJ-45 port on the back of the PC.
 - **Wireless Connection:** Your PC is equipped with Wi-Fi 6. Ensure any external Wi-Fi antennas are connected if provided. You will configure the wireless connection during the Windows setup.
6. **Power Connection:** Connect the power cable to the power supply unit (PSU) at the rear of the PC, then plug the other end into a grounded electrical outlet.
7. **Power On:** Press the power button located on the front of the PC tower. The system will begin to boot up.



Note: no monitor attached, for exhibition purpose only

Image: A typical setup of the STGAubron Gaming PC Desktop with a monitor, keyboard, and mouse. Note: Monitor is not included.

4. OPERATING INSTRUCTIONS

4.1 Initial Windows 11 Setup

Upon first boot, you will be guided through the Windows 11 Home setup process. Follow the on-screen prompts to:

- Select your region and keyboard layout.
- Connect to a network (wired or wireless).
- Sign in with your Microsoft account or create a new one.
- Set up privacy settings.

4.2 Connecting Additional Peripherals

Your PC offers various ports for additional devices:

- **USB Ports:** For external hard drives, webcams, printers, and other USB devices.
 - **Audio Jacks:** For headphones, microphones, or external speakers.
 - **Bluetooth 5.2:** For wireless headphones, game controllers, and other Bluetooth-enabled devices.
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5. MAINTENANCE

To ensure the longevity and optimal performance of your STGAubron Gaming PC, consider the following maintenance tips:

- **Keep Vents Clear:** Ensure that the PC's air intake and exhaust vents are free from dust and obstructions to maintain proper airflow and prevent overheating.
 - **Regular Cleaning:** Periodically clean the exterior of the PC with a soft, dry cloth. Use compressed air to gently clear dust from internal components and fans, ensuring the PC is powered off and unplugged before doing so.
 - **Software Updates:** Regularly update your Windows operating system, graphics drivers (AMD Radeon RX 580), and other software to benefit from performance improvements, security patches, and new features.
 - **Antivirus Protection:** Install and maintain up-to-date antivirus software to protect your system from malware and other threats.
 - **Data Backup:** Regularly back up important data to an external drive or cloud storage to prevent data loss.
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6. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, please refer to the Warranty and Support section.

6.1 No Power

- Ensure the power cable is securely connected to both the PC and the electrical outlet.
- Verify the power outlet is functional by plugging in another device.
- Check the power switch on the PSU (if present) is in the 'On' position.

6.2 No Display on Monitor

- Confirm the monitor is powered on and its input source is correctly selected (e.g., HDMI, DisplayPort).
- Ensure the video cable is securely connected to both the PC's graphics card and the monitor.
- Try a different video cable or port if available.

6.3 Wi-Fi Connectivity Issues

- Ensure any external Wi-Fi antennas are properly attached.
- Check if Wi-Fi is enabled in Windows settings.
- Restart your router and modem.
- Update your Wi-Fi drivers.

6.4 System Performance Issues

- Close unnecessary background applications.

- Ensure your graphics drivers are up to date.
- Check for sufficient free space on your 512GB SSD.
- Monitor system temperatures to ensure components are not overheating.

7. SPECIFICATIONS

Detailed technical specifications for your STGAubron Gaming PC Desktop:

Component	Specification
Model Number	ABR1722
Processor	AMD Ryzen 5 5500 (3.6 GHz, up to 4.2 GHz, 6 Cores, 12 Threads)
RAM	16 GB DDR4 SDRAM
Storage	512 GB SSD (Solid State Drive)
Graphics Card	AMD Radeon RX 580 8G GDDR5 (Dedicated)
Operating System	Windows 11 Home
Wireless Connectivity	Wi-Fi 6 (802.11ax), Bluetooth 5.2
Ports	1x RJ-45, 1x Serial, 1x HDMI, 1x DisplayPort, 1x DVI, USB Ports (various)
Cooling	4x RGB Fans
Max Screen Resolution	3840 x 2160
Item Weight	21.9 pounds
Product Dimensions (LxWxH)	18.2 x 15.6 x 8.8 inches
Color	Black



Image: Side view of the PC tower highlighting key internal components and specifications.

8. WARRANTY AND SUPPORT

STGAubron is committed to providing comprehensive support for your gaming PC.

8.1 Warranty Coverage

- **1-Year Parts & Labor Warranty:** Your PC is covered for one year for both parts and labor from the date of purchase.
- **365-Day Warranty Coverage:** This ensures comprehensive coverage for a full year.

8.2 Technical Support

- **Free Lifetime Technical Support:** STGAubron offers free technical support for the lifetime of your product.
- **24-Hour Customer Support:** Assistance is available around the clock.
- **Professional Services:** Expect professional service and troubleshooting within 24 hours of contact.

- **Multi-channel Support:** You can reach us through various methods including online, hotline, and email.

8.3 Contact Information

For any inquiries, technical assistance, or warranty claims, please use the following contact details:

- **Email:** support@astsys.com
- **Phone:** 1-855-489-0795 (EXT.224) (Monday-Friday, 9 AM - 5 PM EST)



Image: STGAubron customer support contact details.



Image: Overview of STGAubron's comprehensive support services.

