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> abytespark Prebuilt Gaming PC Desktop Computer i7/RX590 8G User Manual

abytespark AOV590

abytespark Prebuilt Gaming PC Desktop Computer (Model AOV590) User Manual

Intel Core i7 | RX590 8GB Graphics | 16GB RAM | 1TB NVME SSD

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new abytespark Prebuilt Gaming PC Desktop Computer. Please read this manual thoroughly before use to ensure optimal performance and longevity of your system.



Image 1.1: abytespark Prebuilt Gaming PC Desktop Computer with included accessories.

2. WHAT'S IN THE BOX

Verify that all items are present upon unboxing:

- abytespark Prebuilt Gaming PC Desktop Tower (Model AOV590)
- Gaming Keyboard
- Gaming Mouse
- Mouse Pad
- Power Cable
- Wi-Fi Antennas (2x)



Image 2.1: Overview of the abytespark Gaming PC's core components and features.

3. SETUP GUIDE

3.1. Unpacking and Placement

1. Carefully remove the PC tower and all accessories from the packaging.
2. Place the PC tower on a stable, flat surface with adequate ventilation. Ensure no vents are obstructed.
3. Remove any internal packaging materials or foam inserts from inside the PC case. This is crucial to prevent damage during operation.

3.2. Connecting Peripherals

Refer to the rear port diagram for proper connections:

ABYTE DARK



Image 3.1: Rear I/O ports of the abytespark Gaming PC. Note: Do not use the video ports on the motherboard (VGA, DVI, HDMI next to USB ports) if a dedicated graphics card is installed. Connect your monitor to the graphics card's ports (HDMI, DisplayPort, DVI located lower on the case).

- **Monitor:** Connect your monitor to the dedicated graphics card's ports (HDMI, DisplayPort, or DVI) located at the lower section of the rear panel. **Do not use the video ports on the motherboard (near the USB ports) if a dedicated graphics card is present.**
- **Keyboard & Mouse:** Connect the gaming keyboard and mouse to any available USB ports.
- **Wi-Fi:** Screw in the two Wi-Fi antennas to the designated ports on the rear panel for wireless internet connectivity.
- **Power:** Connect the power cable to the power supply unit (PSU) at the rear of the PC and then to a wall outlet.

3.3. Initial Boot-up

1. Ensure all connections are secure.
2. Press the power button on the front of the PC tower.
3. The system will boot into Windows 11 Home. Follow the on-screen instructions to complete the initial setup, including language selection and user account creation.

4. OPERATING INSTRUCTIONS

4.1. Windows 11 Home

Your PC comes pre-installed with Genuine Windows 11 Home 64-Bit. Familiarize yourself with the operating system's interface and features. Regular updates are recommended for security and performance.

4.2. Gaming Performance

This PC is equipped with an Intel Core i7-4770 Processor and an AMD Radeon RX 590 8GB GDDR5 Video Card, providing a solid gaming experience for many popular titles at 1080p resolution with frame rates often exceeding 60 FPS. Games such as Fortnite, Call of Duty: Warzone, Grand Theft Auto V, World of Warcraft, League of Legends, Apex Legends, and Minecraft are supported.

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Video 4.1: Demonstration of the Gaming PC Desktop's performance in various games.

For graphically demanding titles or ultra-high settings, some adjustments to in-game graphics settings may be necessary to maintain optimal frame rates.

4.3. RGB Lighting Control

The PC tower features RGB chassis lighting and four RGB fans. Specific controls for adjusting RGB lighting modes and colors may be available via pre-installed software or physical buttons on the case. Consult the manufacturer's website or included documentation for detailed instructions on RGB customization.



Image 4.2: Internal view of the PC showcasing the RGB fans and components.

5. MAINTENANCE

- **Dust Cleaning:** Regularly clean dust from the PC's vents and internal components using compressed air. Ensure the PC is powered off and unplugged before cleaning.
- **Software Updates:** Keep your operating system, drivers (especially graphics drivers), and software up to date to ensure stability and performance.
- **Ventilation:** Ensure the PC has ample space around it for proper airflow to prevent overheating.

6. TROUBLESHOOTING

- **No Display:** Ensure your monitor is connected to the graphics card's output ports (HDMI, DisplayPort, DVI) and not the motherboard's integrated ports. Check all cable connections.

- **No Internet (Wi-Fi):** Verify that the Wi-Fi antennas are securely attached. Check Windows network settings to ensure Wi-Fi is enabled and connected to your network.
- **System Lag/Performance Issues:** Close unnecessary background applications. Ensure graphics drivers are updated. Check for adequate ventilation and dust buildup.
- **Peripherals Not Responding:** Try connecting the keyboard or mouse to different USB ports. Ensure drivers are installed if required.

7. SPECIFICATIONS

Component	Detail
Model Number	AOV590
Processor	Intel Core i7-4770 (3.4 GHz, up to 3.9 GHz)
RAM	16GB DDR3 SDRAM
Storage	1TB M.2 NVME High-speed SSD
Graphics Card	AMD Radeon RX 590 8GB GDDR5
Operating System	Windows 11 Home 64-Bit
Wireless Connectivity	Wi-Fi 5.0 (2.4 GHz Radio Frequency)
USB Ports	2x USB 3.0, 6x USB 2.0
Video Outputs	1x HDMI, 1x DisplayPort, 1x DVI (from graphics card)
Ethernet	1x RJ-45
Dimensions (LxWxH)	13.43 x 10.6 x 14.76 inches
Weight	13 pounds
Color	White

8. WARRANTY AND SUPPORT

This abytespark Gaming PC includes lifetime free technical support. For assistance with setup, troubleshooting, or any other inquiries, please contact our technical staff. Specific warranty details for hardware components may vary; please refer to any included documentation or contact abytespark customer service for more information.