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SYSTEMTREFF 20220188-a

SYSTEMTREFF PC Intel Core i5-12600K Desktop Computer User Manual

Model: 20220188-a

1. Introduction

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new SYSTEMTREFF PC. Please read this manual thoroughly before using the computer to ensure proper functionality and longevity of the product. This desktop computer is designed for professional, multimedia, and general home use, offering high performance and quiet operation.

2. Setup

2.1 Unboxing and Initial Inspection

Carefully remove the PC from its packaging. Inspect the computer for any visible damage that may have occurred during transit. Ensure all included accessories, such as the power cable and any documentation, are present.



Figure 2.1: The SYSTEMTREFF PC tower, showcasing its sleek black design with a tempered glass side panel and a mesh front for optimal airflow.

2.2 Connecting Peripherals

Before powering on the PC, connect your essential peripherals:

- **Monitor:** Connect your monitor to one of the available video output ports (HDMI, DisplayPort, or VGA) on the back of the PC.
- **Keyboard and Mouse:** Connect your keyboard and mouse to the USB ports.

- **Power:** Connect the power cable to the power supply unit (PSU) at the back of the PC and then to a wall outlet.
- **Network (Optional):** For a wired internet connection, connect an Ethernet cable to the LAN port. For wireless, ensure the included USB 2-in-1 Bluetooth/WLAN dongle is connected.

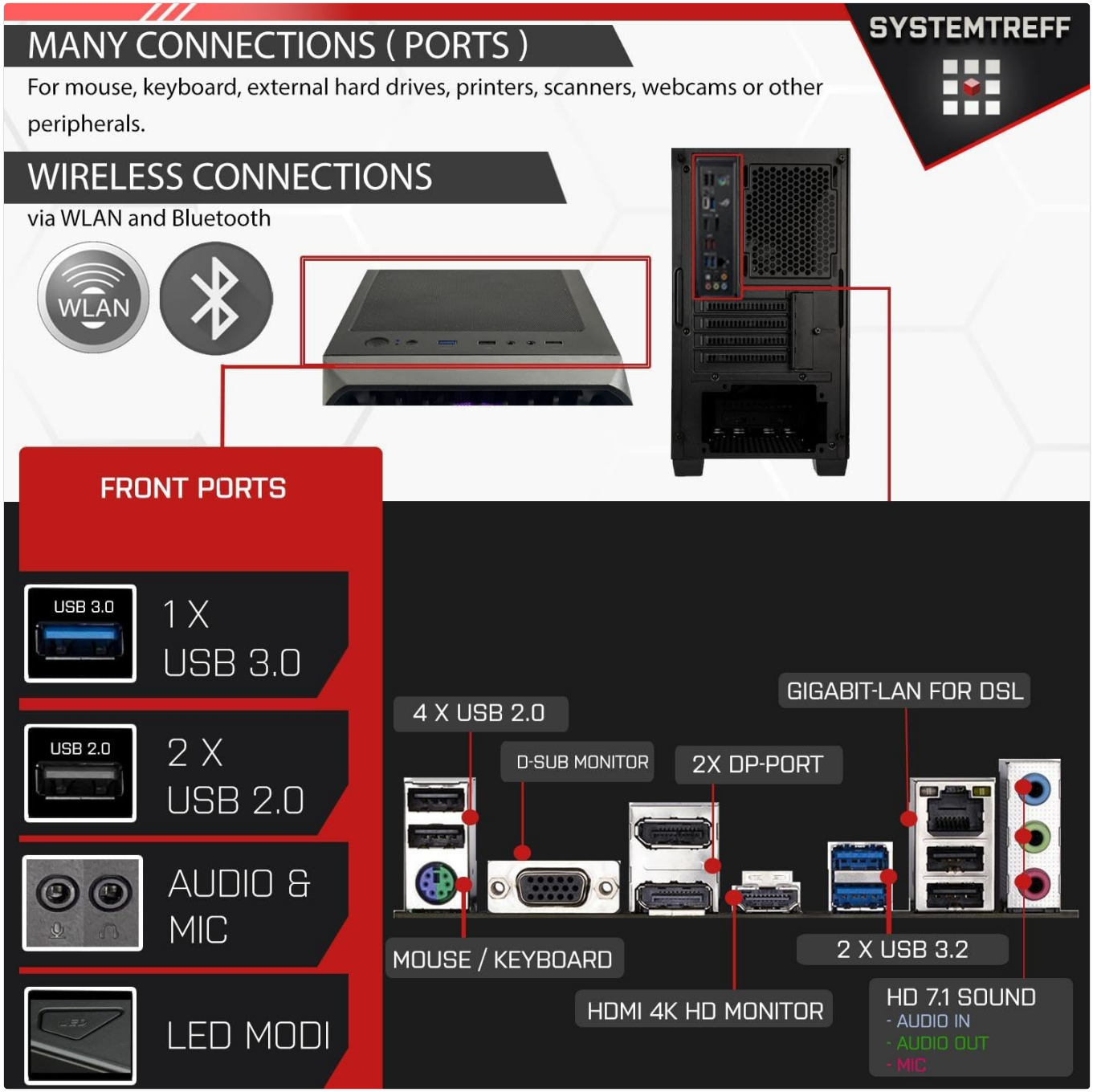


Figure 2.2: Diagram illustrating the various front and rear ports available on the SYSTEMTREFF PC, including USB 2.0, USB 3.0, HDMI, DisplayPort, VGA, LAN, and audio jacks, facilitating connections for a wide range of peripherals.

2.3 First Boot and Windows 11 Setup

Once all peripherals are connected, press the power button located on the top front of the PC. The system comes with Windows 11 Pro pre-installed and pre-configured with necessary drivers. Follow the on-screen instructions to complete the initial Windows 11 setup, including region, language, and user account creation. Norton 360 Security is also pre-installed, offering 1 year of protection for up to 3 devices.



Figure 2.3: An overview highlighting the key performance specifications of the SYSTEMTREFF PC, including the Intel Core i5-12600K processor, 16GB DDR4 RAM, 1TB NVMe SSD for ultra-fast boot times, and the 500W power supply.

3. Operating the PC

3.1 Basic Operation

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

3.2 Windows 11 Pro Usage

Your PC comes with Windows 11 Pro, offering a modern and secure operating environment. Utilize the pre-installed

LibreOffice suite for productivity tasks. The system is optimized for office work, multimedia consumption (including 4K streaming), and light gaming.



Figure 3.1: Visual representation of the SYSTEMTREFF PC's versatility, highlighting its suitability for office applications (Word, Excel, Outlook), multimedia tasks (4K streaming, audio/video editing), and entry-level gaming with the Intel UHD Graphics 770.

3.3 Connectivity

- **WLAN:** The included USB 2-in-1 Bluetooth/WLAN dongle provides wireless internet connectivity. Access network settings in Windows to connect to your Wi-Fi network.
- **Bluetooth:** The same dongle enables Bluetooth connectivity for wireless peripherals like headphones or speakers.
- **LAN:** For a stable wired connection, use the Realtek 1 Gigabit LAN Controller.

3.4 Audio Setup

The PC features Realtek 7.1-Channel High Definition Audio. Connect your speakers or headphones to the appropriate audio jacks on the front or rear of the case. Adjust audio settings through the Windows Sound Control Panel.



Figure 3.2: An internal view of the SYSTEMTREFF PC, showcasing the top cooling system and airflow design, intuitive cable management, and dual chamber design. The case supports up to five 120mm fans for efficient cooling.

4. Maintenance

4.1 Cleaning the PC

Regular cleaning helps maintain optimal performance and extends the lifespan of your PC. Use a soft, dry cloth to wipe down the exterior. For internal components, use compressed air to remove dust from fans and vents. Ensure the PC is powered off and unplugged before cleaning.

4.2 Software Updates

Keep your operating system and drivers updated to ensure security, stability, and performance. Windows Update will automatically download and install critical updates. You can manually check for updates via Settings > Windows Update.

4.3 Antivirus Protection

The PC comes with Norton 360 Security pre-installed. Ensure its subscription is active and that it performs regular scans to protect against malware and viruses.

4.4 Data Backup

Regularly back up your important data to an external drive or cloud storage to prevent data loss in case of hardware failure or other unforeseen issues.

5. Troubleshooting

This section addresses common issues you might encounter with your SYSTEMTREFF PC.

- **No Power:**
  - Check if the power cable is securely connected to both the PC and the wall outlet.
  - Ensure the power switch on the PSU (at the back of the PC) is in the 'On' position.
  - Test the wall outlet with another device to confirm it has power.
- **No Display:**
  - Verify that the monitor is powered on and correctly connected to the PC's video output port.
  - Ensure the correct input source is selected on your monitor.
  - Try connecting the monitor to a different video output port on the PC if available.
- **Slow Performance:**
  - Close unnecessary applications running in the background.
  - Check for and install any pending Windows updates.
  - Run a full system scan with your antivirus software.
  - Ensure there is sufficient free space on your primary drive.
- **Network Connectivity Issues:**
  - For wired connections, check the Ethernet cable and router status.
  - For wireless connections, ensure the WLAN dongle is properly inserted and Wi-Fi is enabled in Windows settings. Restart your router if necessary.

If you encounter issues not covered here or require further assistance, please refer to the support information provided with your purchase or contact SYSTEMTREFF customer support.

6. Specifications

Below are the detailed technical specifications for your SYSTEMTREFF PC (Model: 20220188-a):

Component	Specification
Processor	Intel Core i5-12600K (10 Cores, 3.7 GHz base, up to 4.9 GHz Turbo)
CPU Cooling	Systemtreff ITS-Raven

Component	Specification
Motherboard	Gigabyte H610M S2H V3 (PCIe 4.0, 1x VGA, 1x HDMI, 2x DP, 1x PS/2, 4x USB 2.0, 2x USB 3.2 Gen1, LAN, 3x 3.5mm audio)
RAM	16GB DDR4 3600MHz Corsair C18 Vengeance LPX (Max 64GB)
Graphics	Intel UHD Graphics 770 (1.3 GHz, up to 64GB shared memory, DX 12)
Storage	1TB NVMe WD SN3000 SSD (5000 MB/s read, 4200 MB/s write)
Operating System	Windows 11 Pro (pre-installed with drivers)
Antivirus	Norton 360 Security (1 year protection for 3 devices)
Network	Realtek 1 Gigabit LAN Controller (1000Mbit/s)
Wireless	USB 2-in-1 Bluetooth/WLAN dongle
Audio	Realtek 7.1-Channel High Definition Audio
Case	Systemtreff Equinox-Air ST-502 (38cm x 20.5cm x 45cm), tempered glass window, RGB lighting
Power Supply	500W MSI MAG A500N-H (120mm fan, 80 PLUS BRONZE, 80% efficiency)



Figure 6.1: The dimensions of the SYSTEMTREFF PC case, measuring 38 cm in length, 20.5 cm in width, and 45 cm in height, providing a clear understanding of its physical footprint.

7. Warranty and Support

Your SYSTEMTREFF PC is manufactured with high-quality components and undergoes thorough testing before delivery to ensure proper functioning. For specific warranty terms and conditions, please refer to the documentation included with your purchase, such as the motherboard manual and the invoice with VAT indicated.
For technical support or service inquiries, please contact the seller or SYSTEMTREFF directly through the contact information provided at the time of purchase. Always provide your model number (20220188-a) and purchase details when seeking support.

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