

HP TG01-0030

HP Pavilion Gaming Desktop TG01-0030 User Manual

Model: TG01-0030

1. PRODUCT OVERVIEW

The HP Pavilion Gaming Desktop TG01-0030 is designed for gaming and general computing tasks. It features an AMD Ryzen 5 3500 processor, NVIDIA GeForce GTX 1650 graphics, 8 GB of RAM, and a 512 GB SSD. This manual provides instructions for setup, operation, maintenance, and troubleshooting.



Figure 1: HP Pavilion Gaming Desktop TG01-0030 highlighting key features.

Key Features

- **Processor:** AMD Ryzen 5 3500
- **Graphics:** NVIDIA GeForce GTX 1650 (4 GB GDDR5)
- **Memory:** 8 GB SDRAM (expandable)
- **Storage:** 512 GB SSD
- **Operating System:** Windows 10 Home
- **Connectivity:** Realtek Wi-Fi 5 & Bluetooth 4.2
- **Design:** Compact tower with customizable LED lighting

2. SETUP GUIDE

Follow these steps to set up your HP Pavilion Gaming Desktop.

2.1 Unpacking and Placement

- 1. Carefully remove the desktop computer and all accessories from the packaging.
- 2. Place the desktop on a stable, flat surface with adequate ventilation around all sides. Avoid placing it in enclosed spaces or near heat sources.

2.2 Connecting Peripherals

Refer to the front and rear port diagrams for connecting your devices.

CAN I PLAY IT?

Check this PC against the minimum and recommended system requirements.



YOUR FAVORITE GAME	MEETS MINIMUM SYSTEM REQUIREMENTS	MEETS RECOMMENDED SYSTEM REQUIREMENTS
FORTNITE	✓	✓
LEAGUE OF LEGENDS	✓	✓
DOTA 2	✓	✓
ROCKET LEAGUE	✓	✓
PUBG	✓	✗
HEARTHSTONE	✓	✓
OVERWATCH	✓	✓
MAGIC: THE GATHERING	✓	✓
WORLD OF WARCRAFT	✓	✓
STARCRAFT 2	✓	✓

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System requirements are based on specifications from the manufacturer. Gameplay may still be possible below minimum level of requirements.

Figure 2: Front Panel Ports and Connectors.

- **Monitor:** Connect your monitor to the graphics card's display output ports (HDMI, DisplayPort, etc.) on the rear of the desktop.
- **Keyboard and Mouse:** Connect the included USB keyboard and mouse to any available USB ports.
- **Power:** Connect the power cord to the desktop's power input and then to a wall outlet.
- **Network (Optional):** For a wired connection, connect an Ethernet cable to the RJ-45 port on the rear. For wireless,

ensure Wi-Fi is enabled in Windows.

2.3 Initial Power On

1. Press the power button on the front of the desktop.
2. Follow the on-screen instructions to complete the Windows 10 Home setup.

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Video 1: HP Pavilion Gaming Desktop Product Overview. This short video provides a visual introduction to the desktop's design and features.

3. OPERATING INSTRUCTIONS

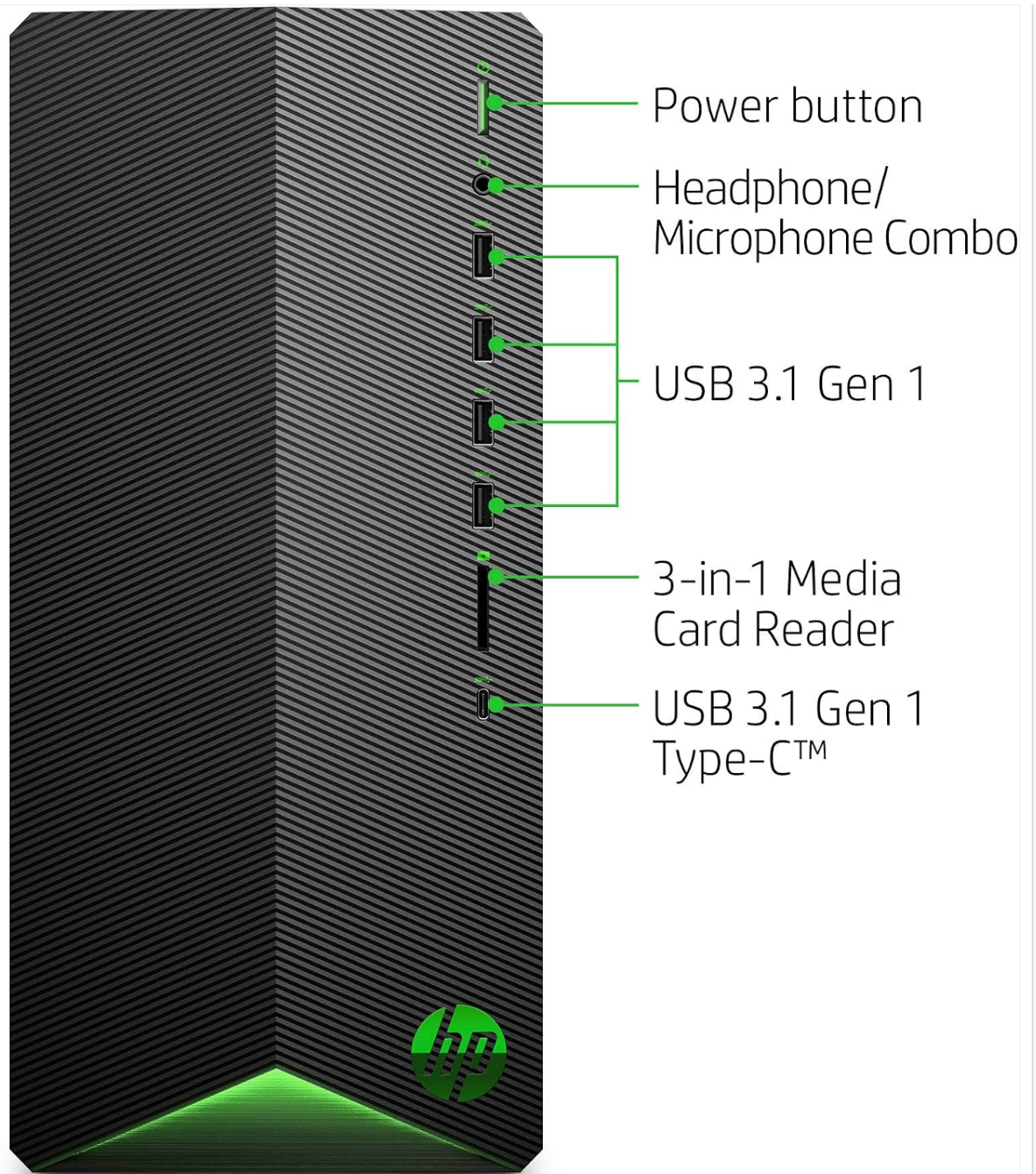
This section covers general operation and software features.

3.1 Windows 10 Home

Your desktop comes pre-installed with Windows 10 Home. Familiarize yourself with the operating system's interface, settings, and applications. Regular updates are recommended for security and performance.

3.2 OMEN Gaming Hub Software

The OMEN Gaming Hub software is pre-installed to help optimize your gaming experience. It allows you to monitor system vitals, control performance, manage network traffic, and customize LED lighting.



USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum.

Figure 3: OMEN Command Center software interface.

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Video 2: OMEN Gaming Hub Software Overview. This video demonstrates how to use the OMEN Gaming Hub for system optimization and customization.

3.3 Gaming Performance

The desktop is equipped with an NVIDIA GeForce GTX 1650 graphics card, suitable for running many popular game titles. Performance may vary based on game settings and specific titles.



Figure 4: Game compatibility chart based on system requirements.

4. MAINTENANCE

Proper maintenance ensures the longevity and performance of your desktop.

4.1 Cleaning

- **Exterior:** Use a soft, damp cloth to clean the exterior surfaces. Avoid abrasive cleaners.
- **Ventilation:** Regularly check and clean the ventilation openings to prevent dust buildup, which can hinder airflow and cause overheating. Use compressed air to gently clear dust from vents.



Figure 5: Top ventilation area of the desktop.

4.2 Software Updates

Keep your Windows operating system, drivers (especially graphics drivers), and OMEN Gaming Hub software updated to ensure optimal performance and security.

4.3 Upgrades

The desktop supports memory upgrades. Consult the official HP support documentation for compatible memory modules and installation procedures. Upgrading the power supply may be limited; refer to specifications for details.

5. TROUBLESHOOTING

This section provides solutions to common issues.

5.1 No Power

- Ensure the power cable is securely connected to both the desktop and a working wall outlet.
- Verify the power outlet is functional by plugging in another device.

5.2 No Display

- Check that the monitor is powered on and the video cable is securely connected to both the desktop's graphics card output and the monitor's input.
- Ensure the correct input source is selected on your monitor.

5.3 System Slowdown or Freezing

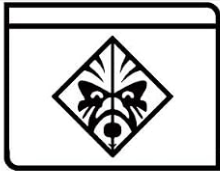
- Close unnecessary applications running in the background.
- Check for overheating. Ensure vents are clear and the desktop is in a well-ventilated area.
- Run a system scan for malware or viruses.
- Ensure Windows and drivers are up to date.

5.4 Audio Issues

- Verify speakers or headphones are correctly connected to the audio output ports.
- Check audio settings in Windows to ensure the correct output device is selected and volume is not muted.
- Update audio drivers.

6. SPECIFICATIONS

Detailed technical specifications for the HP Pavilion Gaming Desktop TG01-0030.



OMEN Command Center



Included OMEN Command Center software enables remote gaming and customization of RGB lighting.¹

Monitor sold separately.

¹ Secure remote access requires using your Game Stream account credentials and downloading the OMEN Command Center app from the Microsoft Store. Compatible with Windows 10 PCs only. Internet service required and not included.

Figure 6: Key specifications at a glance.

Component	Specification
Processor	AMD Ryzen 5 3500 (3.4 GHz, 6 Cores)
Graphics Card	NVIDIA GeForce GTX 1650 (4 GB GDDR5)
RAM	8 GB SDRAM (2400 MHz)
Storage	512 GB SSD
Operating System	Windows 10 Home
Wireless Connectivity	802.11ac Wi-Fi, Bluetooth 4.2
USB Ports	4x USB 2.0, 5x USB 3.0 (including Type-C)

Component	Specification
Dimensions (LxWxH)	12.09 x 6.12 x 13.28 inches
Weight	15.27 pounds

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official HP support website. Keep your purchase receipt and product serial number (located on the desktop chassis) handy when contacting support.

- **Online Support:** support.hp.com
- **Product Registration:** Register your product online to receive updates and support.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question