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Samsung MU-PG2T0B

Samsung T9 Portable SSD User Manual

Model: MU-PG2T0B

INTRODUCTION

The Samsung T9 Portable SSD is a high-performance external solid-state drive designed for rapid data transfer and reliable storage. With sequential read and write speeds of up to 2,000MB/s, it is suitable for demanding tasks such as gaming, professional content creation, and large file management. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your T9 Portable SSD.

SETUP

Package Contents

- Samsung T9 Portable SSD
- USB-C to USB-C cable
- USB-C to USB-A cable
- Quick Start Guide (or similar documentation)

Connecting the SSD

The Samsung T9 Portable SSD connects to your device via a USB cable. It supports USB 3.2 Gen 2x2 for maximum performance, but is also compatible with older USB standards.

1. Select the appropriate cable for your device:
 - Use the **USB-C to USB-C cable** for devices with a USB-C port (e.g., modern laptops, smartphones, tablets, iPhone 15 Pro).
 - Use the **USB-C to USB-A cable** for devices with a standard USB-A port (e.g., older computers, gaming consoles).
2. Connect the USB-C end of the cable to the Samsung T9 Portable SSD.
3. Connect the other end of the cable (USB-C or USB-A) to an available port on your computer, gaming console, or compatible mobile device.



Drop resistant
up to 9.8 feet

Password
protection

5 Year limited
warranty

Extreme Performance with Robust Reliability

From concept to completion, the T9 Portable SSD gives you the longevity to last through heavy use.

Image: The Samsung T9 Portable SSD shown with its included USB-C to USB-C and USB-C to USB-A cables, demonstrating connectivity options for various devices.

Upon successful connection, the SSD's indicator light will illuminate, and your operating system should detect the drive. For optimal performance, ensure your host device and connection cables support USB 3.2 Gen 2x2 and that UASP mode is enabled.

Initial Setup and Formatting

The T9 Portable SSD comes pre-formatted, but you may need to format it for specific operating systems or uses (e.g., for macOS, Windows, or Android). Samsung provides the **Magician Software** to assist with drive management, including formatting and firmware updates.

1. After connecting the SSD, open File Explorer (Windows) or Finder (macOS). The drive should appear as a removable storage device.
2. Locate the pre-loaded Samsung Magician Software installer on the drive.
3. Run the installer and follow the on-screen instructions to install the software on your computer.
4. Launch Samsung Magician Software to manage your drive, including checking its health, performing benchmarks, and reformatting if necessary. When formatting, select the file system appropriate for your primary use (e.g., NTFS for Windows, APFS for macOS, exFAT for cross-platform compatibility).



Image: A visual representation of the Samsung Magician Software interface, showing options for drive management, including firmware updates and health checks.

OPERATING THE SSD

Data Transfer

Transferring files to and from the Samsung T9 Portable SSD is straightforward, similar to using any other external drive.

- **Drag and Drop:** Simply drag files or folders from your computer's internal storage to the T9 SSD icon in File Explorer/Finder, or vice-versa.
- **Copy/Paste:** Right-click on files/folders, select "Copy," then navigate to the desired location on the T9 SSD, right-click, and select "Paste."
- **Application Saving:** Many applications allow you to directly save projects or files to external drives. Select the T9 SSD as your save destination within the application.

For optimal transfer speeds, ensure your computer's USB port supports USB 3.2 Gen 2x2. Older USB ports will still work but will operate at lower speeds.

Performance and Thermal Management

The T9 Portable SSD is engineered for sustained high performance. It features a **Dynamic Thermal Guard** solution that actively monitors and controls the drive's temperature, preventing overheating even during intensive, prolonged use. This ensures consistent performance without thermal throttling.



Image: A conceptual image showing the Dynamic Thermal Guard feature, highlighting how the SSD maintains optimal temperatures during operation.

Security Features

The T9 Portable SSD supports hardware encryption for enhanced data security. This feature can be managed through the Samsung Magician Software.

- **Password Protection:** Set a password to encrypt your drive, preventing unauthorized access to your data.
- **AES 256-bit Hardware Encryption:** Provides robust security for your stored files.

MAINTENANCE

Firmware Updates

Regularly updating the SSD's firmware ensures optimal performance and stability. Firmware updates are managed via the Samsung Magician Software.

1. Connect your T9 Portable SSD to your computer.
2. Launch the Samsung Magician Software.
3. Navigate to the "Firmware Update" section and follow the instructions to check for and install any available updates.

Drive Health Check

The Samsung Magician Software also allows you to monitor the health and lifespan of your SSD.

- Use the "Drive Health" or "SMART" (Self-Monitoring, Analysis and Reporting Technology) feature within the software to view the drive's status.
- This provides insights into the drive's remaining lifespan and any potential issues.

Physical Care

The T9 Portable SSD is designed with durability in mind, featuring drop resistance up to 3 meters (9.8 feet). However, proper care is still recommended:

- Avoid exposing the drive to extreme temperatures or direct sunlight.
- Keep the drive clean and free from dust and debris.
- Always safely eject the drive from your operating system before disconnecting it to prevent data corruption.

TROUBLESHOOTING

Drive Not Recognized

- **Check Cable Connection:** Ensure the USB cable is securely connected to both the SSD and your device. Try a different USB port or cable.
- **Restart Device:** Sometimes a simple restart of your computer or device can resolve recognition issues.
- **Check Disk Management (Windows) / Disk Utility (macOS):**
 - **Windows:** Right-click "This PC" > "Manage" > "Disk Management". Look for the drive. If it appears but is unallocated, you may need to initialize and format it.
 - **macOS:** Open "Disk Utility" (Applications > Utilities). Check if the drive is listed. If it is, you may need to erase and reformat it.
- **Driver Issues:** Ensure your operating system has the latest drivers. For Windows, check Device Manager.

Slow Transfer Speeds

- **USB Port Compatibility:** The T9 SSD achieves up to 2,000MB/s with USB 3.2 Gen 2x2 ports. If connected to a USB 3.0 (USB 3.2 Gen 1) or USB 2.0 port, speeds will be significantly lower. Verify your device's port specifications.
- **Cable Quality:** Use the included Samsung cables, as they are designed to support the high transfer speeds of the T9. Third-party cables may not offer the same performance.

- **UASP Mode:** Ensure UASP (USB Attached SCSI Protocol) mode is enabled on your host device for optimal performance. This is usually enabled by default on modern operating systems.
- **Background Processes:** Close any unnecessary applications or background processes that might be consuming system resources or disk I/O.
- **Drive Fragmentation (less common for SSDs):** While SSDs don't suffer from fragmentation like HDDs, ensure there's sufficient free space on the drive.

Overheating Concerns

The T9 Portable SSD incorporates a Dynamic Thermal Guard to manage heat. While it may feel warm during heavy use, this is normal and within safe operating temperatures (below 140°F / 60°C). If you experience performance degradation due to heat, ensure the drive has adequate airflow and is not covered.

SPECIFICATIONS

Feature	Detail
Brand	Samsung
Model Number	MU-PG2T0B
Digital Storage Capacity	2 TB (as per product title, though other capacities exist)
Connectivity Technology	USB 3.2 Gen 2x2
Hard Disk Interface	USB 3.0 (as per specifications, likely refers to the connector type)
Read Speed	Up to 2,000 MB/s (Sequential)
Write Speed	Up to 2,000 MB/s (Sequential)
Dimensions (LxWxH)	3.46 x 2.36 x 0.55 inches
Item Weight	4.3 ounces
Color	Black
Special Features	Portable, Hardware Encryption, Dynamic Thermal Guard
Compatible Devices	PC, Gaming Console, iPhone 15/16, Tablet, Mac
Country of Origin	Korea, Republic of

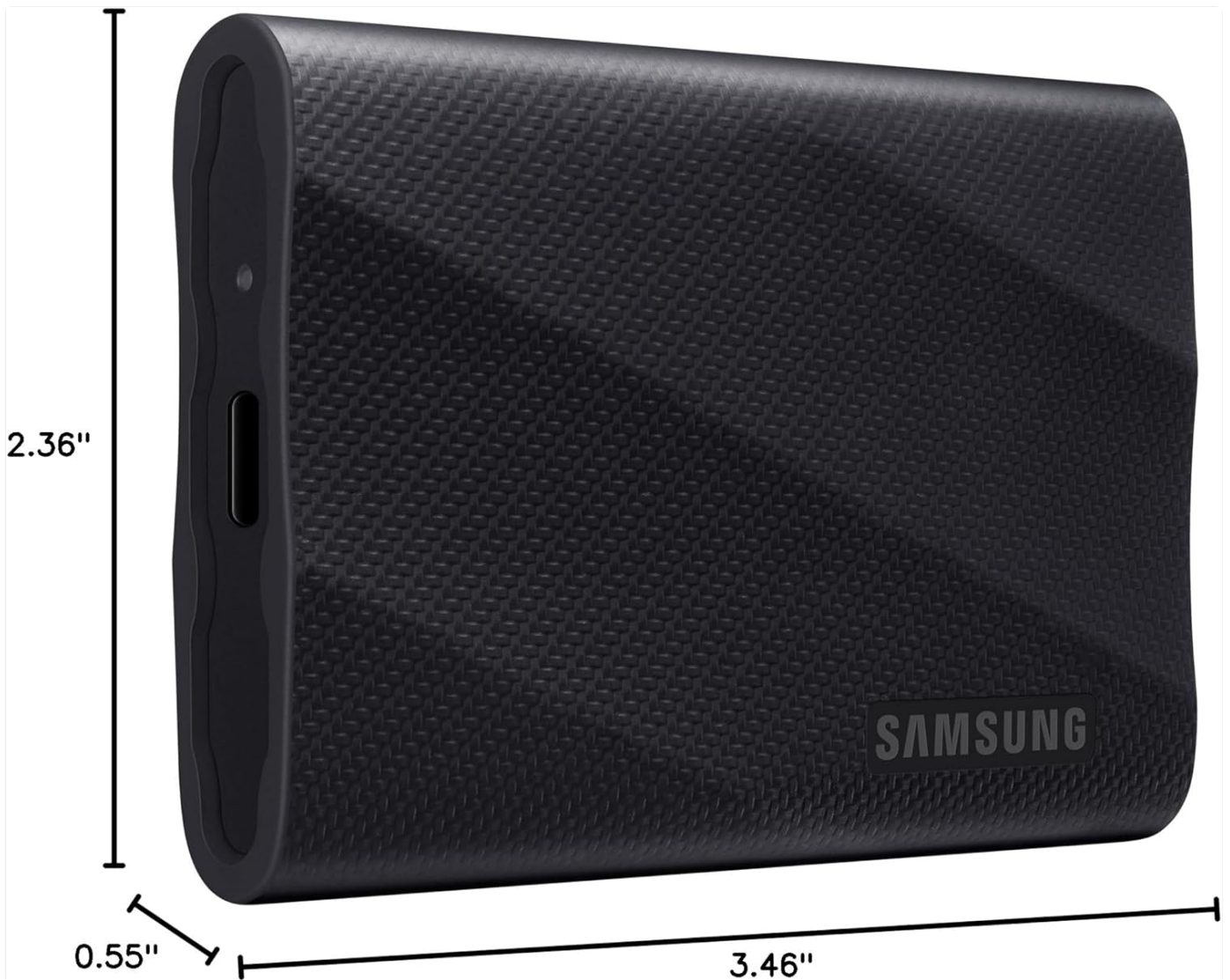


Image: The Samsung T9 Portable SSD with its physical dimensions (length, width, height) clearly indicated.

WARRANTY AND SUPPORT

Warranty Information

The Samsung T9 Portable SSD comes with a **5-year limited warranty**. Please refer to the warranty card included in your product packaging or visit the official Samsung website for detailed terms and conditions.

Customer Support

For further assistance, technical support, or service inquiries, please contact Samsung customer support or visit their official support website:

- **Online Support:** www.samsung.com/us/support/ (Example link, actual link may vary by region)
- **Phone Support:** Refer to your region's Samsung support page for local contact numbers.

Before contacting support, it is recommended to have your product model number (MU-PG2T0B) and serial number ready.

