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> SAMSUNG T9 1TB Portable SSD User Manual

Samsung MU-PG1T0B

SAMSUNG T9 Portable SSD User Manual

Model: MU-PG1T0B

Brand: Samsung

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Samsung T9 Portable SSD. Please read this manual carefully before using the product to ensure optimal performance and longevity.



Image: Front view of the Samsung T9 Portable SSD, showcasing its compact, black, textured design.

PRODUCT OVERVIEW

The Samsung T9 Portable SSD is a high-performance external storage device designed for fast data transfer and robust reliability. It features a USB 3.2 Gen 2x2 interface, offering sequential read/write speeds of up to 2,000 MB/s. Its compact and durable design makes it suitable for various applications, from professional content creation to everyday data backup.

- **High-Speed Performance:** Utilizes USB 3.2 Gen 2x2 and NVMe protocol for rapid data transfer.
- **Broad Compatibility:** Works with Windows, macOS, Android devices, smart TVs, and gaming consoles.
- **Durable Design:** Features a robust casing with up to 3-meter drop resistance.
- **Thermal Management:** Equipped with Dynamic Thermal Guard to prevent overheating and maintain performance.
- **Data Security:** Supports AES 256-bit encrypted password protection.



Image: A comparison chart illustrating the sequential read/write speeds of the T9 (up to 2,000 MB/s), T7 (1,050 MB/s), and a typical external hard drive (120 MB/s).

PACKAGE CONTENTS

Verify that all items are present in the package:

- Samsung T9 Portable SSD
- USB-C to USB-C cable
- USB-C to USB-A cable
- Quick Start Guide / Warranty Statement



Image: The Samsung T9 Portable SSD shown alongside its two included cables: a USB-C to USB-C cable and a USB-C to USB-A cable, facilitating broad device compatibility.

SETUP

Connecting the SSD

1. Identify 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, Android phones/tablets).
- Use the USB-C to USB-A cable for devices with a standard USB-A port (e.g., older computers, gaming consoles).

2. Connect one end of the chosen cable to the USB-C port on the Samsung T9 Portable SSD.

3. Connect the other end of the cable to a compatible USB port on your host device (computer, tablet, gaming console, etc.).

4. The SSD will be automatically detected by most operating systems. A new drive icon should appear in your file explorer or desktop.

Initial Setup and Formatting (if necessary)

The T9 Portable SSD comes pre-formatted for general use. However, if you encounter issues or wish to optimize it for a specific operating system, you may need to reformat it.

- **Windows:** Use Disk Management to initialize and format the drive.
- **macOS:** Use Disk Utility to erase and format the drive.
- **Android/Other Devices:** Refer to your device's manual for external storage formatting options.

Note: Formatting the drive will erase all data on it. Back up any important data before proceeding.

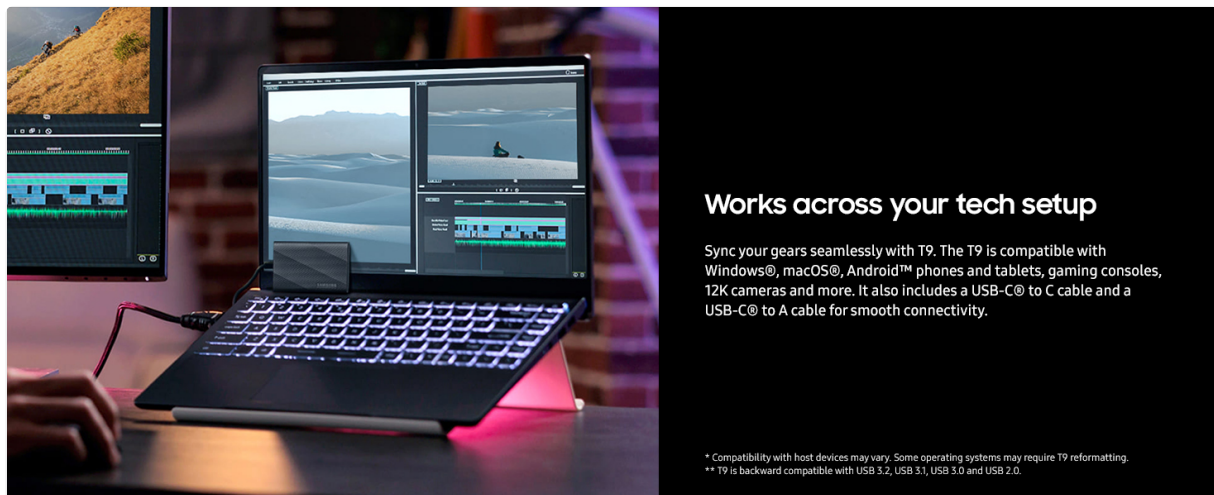


Image: The Samsung T9 Portable SSD connected to a laptop, illustrating its compatibility with various tech setups including Windows, macOS, Android phones and tablets, gaming consoles, and 12K cameras.

OPERATING THE SSD

Data Transfer

To transfer files, simply drag and drop them to and from the T9 Portable SSD, or use your operating system's copy/paste functions. For optimal speed, ensure your host device supports USB 3.2 Gen 2x2 and that you are using the provided cables.

Samsung Magician Software

The Samsung Magician software is recommended for managing your T9 Portable SSD. It provides features such as:

- Firmware updates
- Drive health checks

- Performance benchmarks
- Security settings (including AES 256-bit encryption)

Download the latest version of Samsung Magician from the official Samsung website.

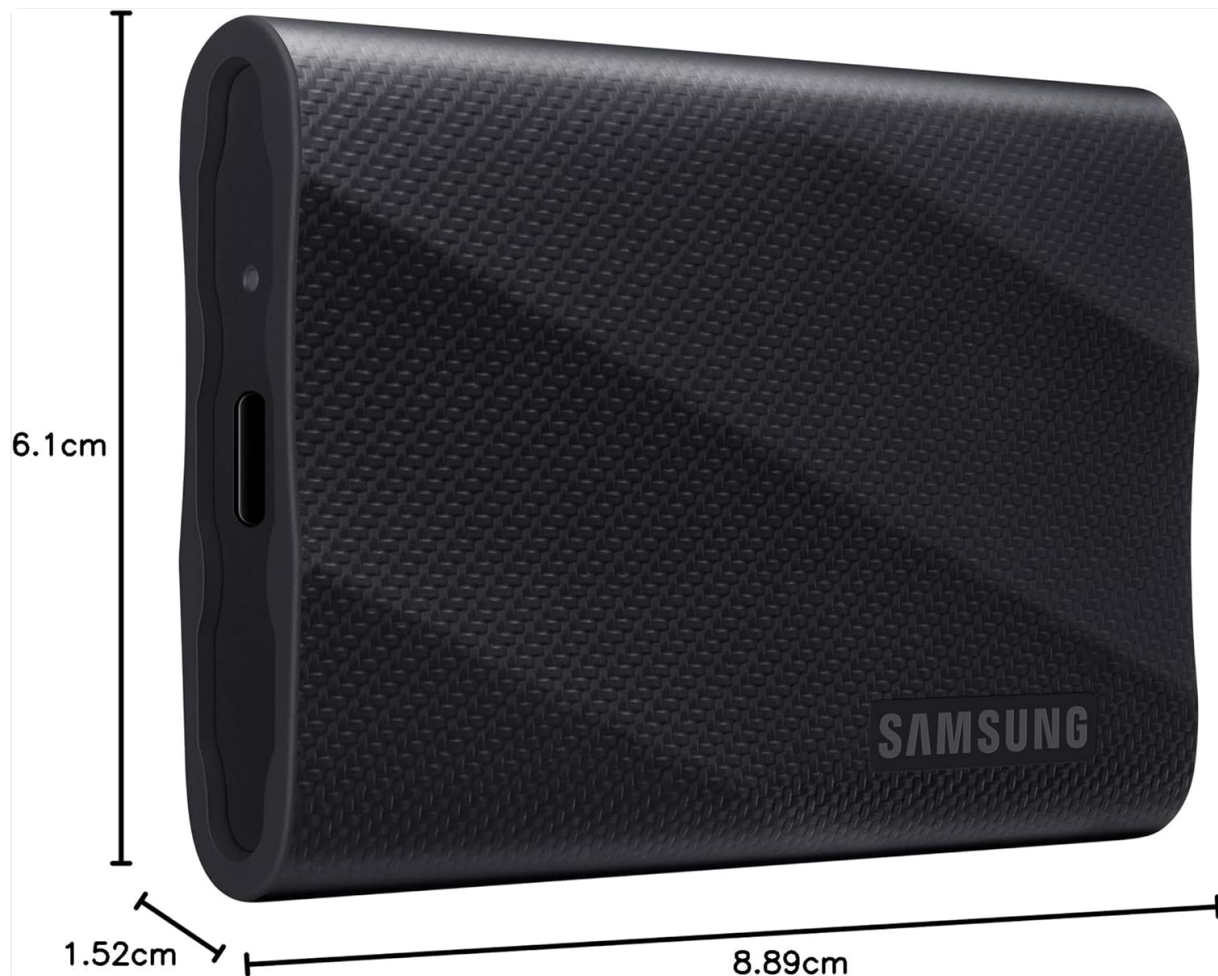


Image: A laptop screen displaying the Samsung Magician software interface, which allows for firmware updates, drive health checks, and security settings for the T9 Portable SSD.

MAINTENANCE

Safe Removal

Always safely eject or unmount the T9 Portable SSD from your operating system before disconnecting it to prevent data corruption. This can typically be done via the "Safely Remove Hardware" icon in Windows or by dragging the drive icon to the Trash/Eject in macOS.

Physical Care

- Keep the SSD clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the SSD to extreme temperatures or direct sunlight.
- While the T9 is drop-resistant up to 3 meters, avoid unnecessary drops or impacts.
- Do not attempt to open the casing of the SSD, as this will void the warranty.

Thermal Management

The T9 Portable SSD incorporates Samsung's Dynamic Thermal Guard technology to manage heat and maintain optimal performance during intensive operations. This system minimizes performance drops due to overheating. Ensure adequate airflow around the device during prolonged use.

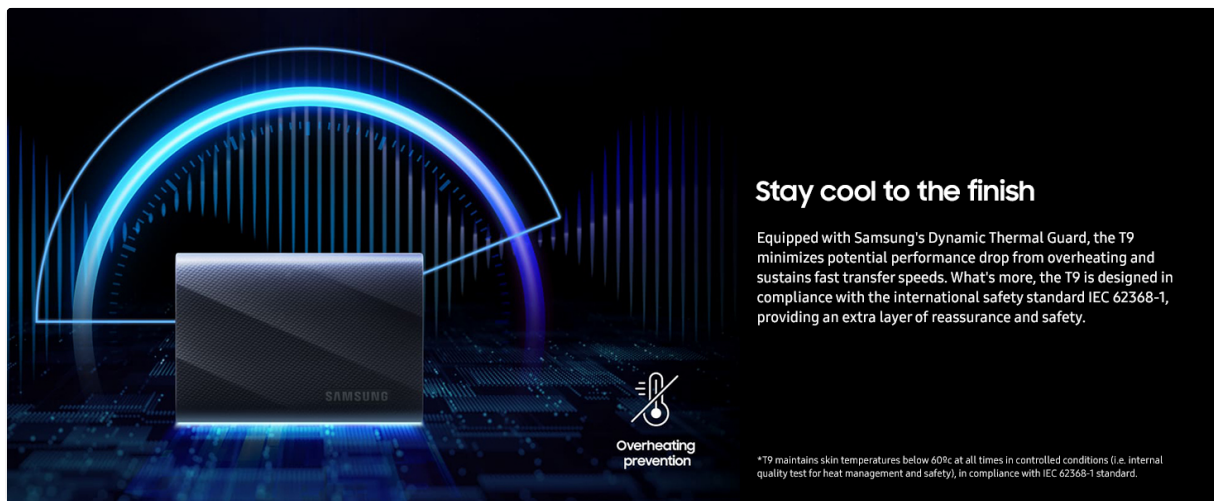


Image: An illustration highlighting the Dynamic Thermal Guard feature of the Samsung T9 Portable SSD, which helps prevent overheating and sustains fast transfer speeds.

TROUBLESHOOTING

Common Issues and Solutions

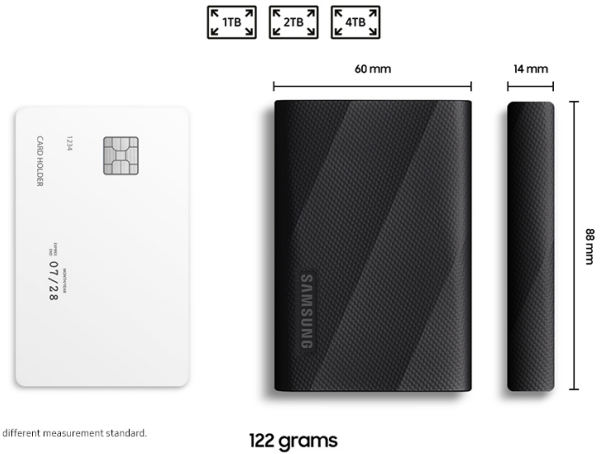
- **SSD not detected:**
 - Ensure the cable is securely connected to both the SSD and the host device.
 - Try a different USB port on your host device.
 - Try a different USB cable.
 - Restart your host device.
 - Check Disk Management (Windows) or Disk Utility (macOS) to see if the drive is visible but uninitialized or unformatted.
- **Slow transfer speeds:**
 - Ensure your host device's USB port supports USB 3.2 Gen 2x2. Older USB ports will result in lower speeds.
 - Use the provided USB-C to USB-C cable for maximum speed.
 - Close other applications that might be using system resources or the drive.
 - Ensure the drive is not overheating (though Dynamic Thermal Guard minimizes this).
- **Cannot write files to SSD:**
 - Check if the drive is full.
 - Verify file system compatibility (e.g., exFAT for large files, NTFS for Windows, APFS/HFS+ for macOS). You may need to reformat.
 - Check file permissions on your operating system.

If issues persist, refer to the Samsung support website or contact customer service.

SPECIFICATIONS

Excellent on-the-go

Available in spacious 1TB, 2TB and 4TB models, the T9 maintains its compact form and lightweight build at just 122g. With its dotted, non-slip finish, you can securely hold your data in the palm of your hand with a comfortable grip.



* 1GB=1,000,000,000 bytes, 1TB=1,000,000,000,000 bytes. Lower capacity may be demonstrated by your computer due to use of a different measurement standard.
** The actual product weight and size may vary depending on the product's capacity and measurement method.

Image: A visual representation of the Samsung T9 Portable SSD's dimensions (88mm x 60mm x 14mm) and weight (122 grams), highlighting its compact and lightweight design.

Feature	Description
Model Name	MU-PG1T0B
Capacity	1 TB (available in 1TB, 2TB, 4TB variants)
Interface	USB 3.2 Gen 2x2 (20Gbps)
Sequential Read Speed	Up to 2,000 MB/s
Sequential Write Speed	Up to 2,000 MB/s
Dimensions (L x W x H)	88 x 60 x 14 mm (3.46 x 2.36 x 0.55 inches)
Weight	122 g (0.27 lbs)
Drop Resistance	Up to 3 meters (9.8 feet)
Encryption	AES 256-bit Hardware Encryption
Compatibility	Windows, macOS, Android, Smart TVs, Gaming Consoles, 12K Camera
Color	Black

WARRANTY AND SUPPORT

Limited Warranty

The Samsung T9 Portable SSD is backed by a 5-year Canadian limited warranty. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support

For technical support, warranty service, or additional information, please visit the official Samsung support website or contact Samsung customer service in your region. You can find contact details and FAQs on the Samsung website.

Online Resources: [Samsung Support Website](#)

