

SanDisk SDSSDH3-2T00-G25

SanDisk Ultra 3D NAND 2TB Internal SSD Instruction Manual

MODEL: SDSSDH3-2T00-G25

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your SanDisk Ultra 3D NAND 2TB Internal SSD. Designed for enhanced performance and reliability, this solid-state drive is an ideal upgrade for various computing platforms.



Figure 1: Top view of the SanDisk Ultra 3D NAND SSD.

2. Product Overview

The SanDisk Ultra 3D NAND SSD offers accelerated performance for computing tasks, including gaming and multitasking with graphics-intensive applications. It utilizes 3D NAND technology for improved endurance and reliability.

Key Features:

- **Accelerated Performance:** Faster boot-up, shorter application load times, and quicker data transfers.
- **High Speeds:** Sequential read speeds up to 560MB/s and sequential write speeds up to 530MB/s.
- **3D NAND Technology:** Provides greater endurance and reliability while consuming less power.
- **NCache 2.0 Technology:** Delivers consistent, blazing-fast speeds.
- **Durability:** Proven shock and vibration resistance.



Figure 2: SanDisk Ultra 3D SSD emphasizing performance and technology.

3. Setup & Installation

3.1 General Internal Installation (Laptop/Desktop)

The SanDisk Ultra 3D SSD is designed for easy internal installation in compatible laptops and desktop PCs. Ensure your system supports a 2.5-inch SATA III drive.

1. **Backup Data:** Before beginning, back up all important data from your existing drive.
2. **Power Off:** Shut down your computer and disconnect all power sources.
3. **Access Drive Bay:** Open your computer case or laptop drive bay. Refer to your computer's manual for specific instructions.
4. **Remove Old Drive (if applicable):** Disconnect the SATA data and power cables from your old drive and remove it from the bay.

5. **Install SSD:** Secure the SanDisk Ultra 3D SSD into the 2.5-inch drive bay.
6. **Connect Cables:** Connect the SATA data cable and SATA power cable to the SSD.
7. **Reassemble:** Close your computer case or laptop drive bay.
8. **Power On:** Reconnect power and boot your computer.



Figure 3: Installation of the SSD into a laptop.

SanDisk
Ultra

3D SSD

Faster boot-up. Blazing-fast performance.
Powered by 3D NAND technology

Démarrage de plus rapide. Performances
ultra-rapides.
Propulsé par la technologie 3D NAND



SanDisk®

Figure 4: Installation of the SSD into a desktop computer.

3.2 External Enclosure Setup

The SanDisk Ultra 3D SSD can be used as a high-performance external storage solution with a compatible 2.5-inch USB 3.0 (or higher) external enclosure.

1. **Open Enclosure:** Open the external SSD enclosure.
2. **Insert SSD:** Carefully slide the SanDisk Ultra 3D SSD into the enclosure's SATA connector.
3. **Secure:** Close and secure the enclosure.
4. **Connect to Computer:** Connect the enclosure to your computer using a USB cable.



Figure 5: SanDisk Ultra 3D SSD ready for installation into a drive bay or external enclosure.

3.3 Formatting the SSD

After physical installation, the SSD must be formatted before use. The process varies slightly depending on your operating system.

- **Windows:** Use Disk Management to initialize the disk, create a new simple volume, and format it (e.g., NTFS).
- **macOS:** Use Disk Utility to erase and format the drive (e.g., APFS or Mac OS Extended).

For a visual guide on installation and formatting, refer to the video below:

Video 1: Demonstrates the installation of the SanDisk Ultra 3D SSD into a laptop and a desktop computer, highlighting faster boot-up, application response, and handling of large graphic files.

Video 2: Illustrates how to create a portable external SSD using the SanDisk Ultra 3D SSD and an enclosure, including formatting on a Mac system and speed testing.

4. Operating Instructions

Once installed and formatted, your SanDisk Ultra 3D SSD will function as a primary or secondary storage device. You will experience significantly faster boot times, quicker application launches, and improved overall system responsiveness compared to traditional hard drives. For optimal performance, ensure your operating system and drivers are up to date.

5. Maintenance

To maintain the health and performance of your SanDisk Ultra 3D SSD, it is recommended to:

- **Use SanDisk SSD Dashboard:** Download and install the SanDisk SSD Dashboard software from the official SanDisk website. This tool provides health monitoring, firmware updates, and performance optimization features.

- **Avoid Defragmentation:** Unlike HDDs, SSDs do not benefit from defragmentation. It can reduce the lifespan of the drive.
- **Ensure TRIM is Enabled:** TRIM helps maintain SSD performance over time. Most modern operating systems enable TRIM by default for SSDs.

6. Troubleshooting

Slow Performance:

If you experience slower-than-expected performance, consider the following:

- **SATA Port:** Ensure the SSD is connected to a SATA III (6 Gb/s) port on your motherboard for maximum speed. Connecting to an older SATA II port will limit performance.
- **Drivers:** Verify that your motherboard's SATA drivers are up to date.
- **TRIM Status:** Check if TRIM is enabled for your SSD.
- **System Resources:** Other system components (CPU, RAM) can impact overall performance. Ensure they are not bottlenecks.

Drive Not Detected:

If the SSD is not detected by your system:

- **Cable Connections:** Double-check that the SATA data and power cables are securely connected to both the SSD and the motherboard/power supply.
- **BIOS/UEFI Settings:** Enter your system's BIOS/UEFI settings and ensure the SATA port the SSD is connected to is enabled.
- **Initialization/Formatting:** For new drives, ensure it has been initialized and formatted via Disk Management (Windows) or Disk Utility (macOS).

7. Specifications

Feature	Detail
Digital Storage Capacity	2 TB
Hard Disk Interface	SATA 6 GB/s
Connectivity Technology	SATA
Special Feature	Shock Resistant
Hard Disk Form Factor	2.5 Inches
Hard Disk Description	Solid State Drive
Compatible Devices	PC
Installation Type	Internal Hard Drive
Item Weight	1.92 ounces
Product Dimensions	0.28 x 3.96 x 2.75 inches

8. Warranty & Support

The SanDisk Ultra 3D NAND SSD comes with a **Limited 5-year manufacturer warranty or 500TBW (Terabytes Written), whichever is sooner** (for the 2TB model in the US). For detailed warranty information specific to your region and to access technical support, please visit the official SanDisk website.

For further assistance, you may also contact SanDisk customer support directly.

Related Documents - SDSSDH3-2T00-G25

	<p>SanDisk Portable SSD v4 User Guide</p> <p>This document provides information on the SanDisk Portable SSD v4, including its features and specifications. It is intended for users of SanDisk portable SSD products.</p>
	<p>SanDisk 128 GB Ultra Fit USB 3.1 Flash Drive Troubleshooting Guide</p> <p>This document provides troubleshooting information for the SanDisk 128 GB Ultra Fit USB 3.1 Flash Drive, covering topics such as transfer speed limitations and drive temperature during operation.</p>
	<p>SanDisk iXpand Drive Application User Manual</p> <p>User manual for the SanDisk iXpand Drive Application, detailing installation, file management, backup and restore, security features, app settings, and troubleshooting for managing files on iOS devices and SanDisk iXpand flash drives.</p>
	<p>SanDisk Lightning 6Gb/s 2.5" SAS SSD Firmware Release Notes</p> <p>Release notes for the SanDisk Lightning 6Gb/s 2.5" SAS SSD product line, detailing firmware updates and fixes.</p>
	<p>Troubleshooting SanDisk Cruiser Flash Drive Detection and Formatting Issues</p> <p>A guide to resolving common issues with SanDisk Cruiser flash drives not being detected by Windows PCs, including steps for checking system requirements, trying different USB ports, and managing the device in Device Manager. It also covers formatting the drive with exFAT or NTFS file systems and data recovery options.</p>



[SanDisk Memory Zone App: Quick Guide for File Management and Storage Optimization](#)

A quick guide to SanDisk Memory Zone, an app for managing phone storage, cleaning media, backing up files, and organizing your digital content across multiple locations.