

**Manuals+**

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Seagate](#) /
- › [Seagate Exos X18 ST14000NM000J 14 TB Internal Hard Drive Instruction Manual](#)

## Seagate ST14000NM000J

# Seagate Exos X18 ST14000NM000J 14 TB Internal Hard Drive Instruction Manual

Model: ST14000NM000J | Brand: Seagate

## 1. INTRODUCTION

---

This manual provides essential information for the proper installation, operation, and maintenance of your Seagate Exos X18 ST14000NM000J 14 TB Internal Hard Drive. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.



**EXOS™**

**X18**

**14<sub>TB</sub>**

Image 1: Front view of the Seagate Exos X18 14 TB Internal Hard Drive.

## 2. SAFETY INFORMATION

---

- Handle the hard drive with care. Avoid dropping or subjecting it to physical shock.
- Ensure proper grounding to prevent electrostatic discharge (ESD) when handling the drive.
- Do not open the hard drive enclosure. This will void the warranty and may damage the internal components.
- Ensure adequate ventilation around the drive to prevent overheating.
- Use only compatible SATA data and power cables.

## 3. SETUP AND INSTALLATION

---

### 3.1 Physical Installation

1. **Prepare your system:** Power down your computer or storage system and disconnect all power cables.
2. **Open the chassis:** Remove the side panel or access cover of your computer case or NAS enclosure.
3. **Mount the drive:** Secure the 3.5-inch hard drive into an available drive bay using appropriate screws. Ensure the drive is firmly seated to prevent vibration.
4. **Connect cables:**
  - Connect a SATA data cable from the hard drive to an available SATA port on your motherboard or RAID controller.
  - Connect a SATA power cable from your power supply unit (PSU) to the hard drive.
5. **Close the chassis:** Replace the side panel or access cover and reconnect all power cables.

# SCALABLE

Built for 24x7 environments



Image 2: Seagate Exos X18 hard drive being installed into a server bay.

## 3.2 Initializing and Formatting the Drive

After physical installation, the drive must be initialized and formatted by your operating system before use. The process may vary slightly depending on your operating system (Windows, macOS, Linux, or NAS OS).

1. **Power on your system:** Boot your computer or NAS.
2. **Access Disk Management:**
  - **Windows:** Right-click "This PC" or "My Computer", select "Manage", then "Disk Management".
  - **macOS:** Open "Disk Utility" from Applications > Utilities.
  - **Linux/NAS OS:** Refer to your system's documentation for disk utility tools.
3. **Initialize the drive:** Locate the new drive (it may appear as "Unallocated" or "Not Initialized"). Right-click it and select "Initialize Disk" (Windows) or follow the prompts in Disk Utility (macOS). Choose the appropriate partition style (GPT is recommended for drives larger than 2TB).
4. **Create a new volume/partition:** Right-click the unallocated space and select "New Simple Volume" (Windows) or

"Partition" (macOS). Follow the wizard to set the volume size, assign a drive letter (Windows), and choose a file system (NTFS for Windows, APFS/HFS+ for macOS, Ext4/XFS for Linux, or specific file systems for NAS).

5. **Format the drive:** Perform a quick format. Once complete, the drive will be ready for use.



**EXOS™**  
ENTERPRISE

**14TB**  
Exos™ X18



ST14000NM000J



+5V 0.XXA  
+12V 0.XXA

Seagate Singapore Int'l HQ Pte. Ltd  
Koolhovenlaan 1, 1119 NB Schiphol-Rijk,  
The Netherlands

CAN ICES-3 (B) / NMB-3 (B)

HDD Mfg by Seagate Technology LLC

Reg. Model: STxxxx

SATA

中国产品  
Product of China



Image 3: Detailed view of the Seagate Exos X18 hard drive label, showing model and capacity.



## 4. OPERATING THE HARD DRIVE

---

The Seagate Exos X18 is designed for high-capacity, reliable storage in demanding environments such as storage systems and video surveillance. It features Conventional Magnetic Recording (CMR) technology and operates at 7200 RPM for consistent performance.

### 4.1 Data Transfer and Performance

- **Interface:** SATA (SATA/600) interface for high-speed data transfer.
- **Rotational Speed:** 7200 RPM ensures quick access to data.
- **Workload Rating:** Engineered to handle a workload rate of up to 180 TB per year, making it suitable for continuous operation.
- **Usage:** Ideal for bulk data storage, archiving, and applications requiring sustained data throughput.

Your browser does not support the video tag.

Video 1: Product Overview of the Seagate Exos X18 Hard Drive, highlighting its features and applications.



Image 4: The Seagate Exos X18 is designed for scalable, 24x7 operation in demanding environments.

## 5. MAINTENANCE

---

- **Regular Backups:** Regularly back up critical data to another storage device or cloud service to prevent data loss.
- **System Updates:** Keep your operating system and storage controller drivers updated for optimal compatibility and performance.
- **Environmental Control:** Ensure the operating environment maintains stable temperature and humidity levels. Avoid extreme heat or cold.
- **Physical Inspection:** Periodically check physical connections (SATA data and power cables) to ensure they are secure.

## 6. TROUBLESHOOTING

---

### 6.1 Drive Not Detected

- **Check Connections:** Ensure both the SATA data and power cables are securely connected to the drive and the motherboard/PSU.
- **BIOS/UEFI Settings:** Verify that the SATA port to which the drive is connected is enabled in your system's BIOS/UEFI settings.
- **Disk Management:** Check Disk Management (Windows) or Disk Utility (macOS) to see if the drive is detected but

uninitialized or unformatted. Follow Section 3.2 if necessary.

- **Cable/Port Test:** Try using different SATA data and power cables, or connect the drive to a different SATA port on the motherboard.

6.2 Slow Performance

- **Cable Check:** Ensure you are using SATA 6Gb/s compatible cables and that they are properly connected.
- **System Resources:** Close unnecessary applications that might be consuming system resources (CPU, RAM).
- **Drive Health:** Use diagnostic tools (e.g., Seagate SeaTools) to check the drive's health status.
- **Fragmentation:** For traditional hard drives, defragmenting the drive can sometimes improve performance (though less critical for modern OS).

7. SPECIFICATIONS







Feature	Detail
Brand	Seagate
Series	ST14000NM000J
Model Number	ST14000NM000J
Digital Storage Capacity	14 TB
Hard Disk Interface	Serial ATA-600
Connectivity Technology	SATA
Hard Drive Rotational Speed	7200 RPM
Hard Disk Form Factor	3.5 Inches
Hard Disk Description	Mechanical Hard Disk
Special Feature	512e/4Kn Sector Size Support
Compatible Devices	Desktop
Installation Type	Internal Hard Drive
Item Weight	1.4 pounds
Product Dimensions	5.79 x 4.01 x 1.03 inches

8. WARRANTY AND SUPPORT

The Seagate Exos X18 ST14000NM000J is backed by a 5-year limited warranty. For detailed warranty information and terms, please refer to the official Seagate website or contact Seagate customer support. Seagate also offers Rescue Data Recovery Services. This plan provides peace of mind by offering data recovery assistance in case of unexpected data loss. Check the Seagate website for more details on eligibility and service terms. For technical support, product registration, or to access additional resources, please visit the official Seagate support website: [www.seagate.com/support/](http://www.seagate.com/support/)



## Related Documents - ST14000NM000J

	<p><a href="#">Seagate Exos X18 SATA Product Manual</a></p> <p>This manual provides detailed functional, mechanical, and interface specifications for the Seagate Exos X18 SATA drive models, including standard and self-encrypting variants. It covers drive specifications, configuration, mounting, self-encrypting features, and Serial ATA interface details.</p>
	<p><a href="#">Seagate SkyHawk Surveillance SATA Product Manual: Specifications and Features</a></p> <p>Comprehensive product manual for Seagate SkyHawk surveillance hard drives, detailing specifications, SATA interface, mounting, power, environmental factors, and commands. Includes model numbers ST8000VX002, ST6000VX011, ST4000VX005, ST3000VX017, ST2000VX012, ST8000VX008, ST6000VX010, ST4000VX013, ST3000VX016, ST2000VX015.</p>
	<p><a href="#">Seagate Exos M SATA Hard Drive Product Manual - Models ST32000NM004K, ST30000NM004K, ST28000NM003K, ST24000NM001K</a></p> <p>Detailed product manual for Seagate Exos M SATA hard drives, covering specifications, features like self-encryption and Instant Secure Erase, configuration, mounting, and SATA interface details for models ST32000NM004K, ST30000NM004K, ST28000NM003K, and ST24000NM001K.</p>
	<p><a href="#">Seagate Momentus 5400 FDE.3 SATA Product Manual</a></p> <p>Detailed product manual for Seagate Momentus 5400 FDE.3 SATA hard drives, covering specifications, features like Full Disc Encryption (FDE) and DriveTrust technology, installation, and compatibility.</p>
	<p><a href="#">Seagate Surveillance HDD v4 SATA Product Manual   ST1000VX001 Specifications and Guide</a></p> <p>Detailed product manual for the Seagate Surveillance HDD v4 SATA drive (model ST1000VX001). Covers specifications, installation, interface details, environmental requirements, and agency certifications for surveillance applications.</p>
	<p><a href="#">Seagate Exos Xz SATA Product Manual: Specifications and Features</a></p> <p>Detailed product manual for Seagate Exos Xz SATA hard drives (models ST30000NM011F and ST25000NM000E), covering specifications, performance, environmental limits, and interface details.</p>

