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› [Toshiba MK1255GSX 120GB Internal Hard Disk Drive User Manual](#)

## TOSHIBA MK1255GSX

# Toshiba MK1255GSX 120GB Internal Hard Disk Drive User Manual

Model: MK1255GSX | Brand: TOSHIBA

## INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your Toshiba MK1255GSX 120GB Internal Hard Disk Drive. Please read this manual carefully before using the product to ensure proper functionality and longevity.

## SAFETY INFORMATION AND HANDLING PRECAUTIONS

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Observe the following safety guidelines to prevent damage to the drive and ensure safe operation:

- **DO NOT REMOVE ANY LABELS.** Removing labels may void the warranty.
- **HANDLE ONLY BY SIDES OF BASE.** Avoid touching the circuit board or connectors.
- **DO NOT PUSH ON THE TOP COVER.** Applying pressure to the top cover can damage internal components.
- **AVOID GIVING SHOCK.** Hard disk drives are sensitive devices; handle with care to prevent impact damage.
- **RATTLE NOISE IS NORMAL.** A slight rattling sound during operation is typical for mechanical hard drives and does not indicate a defect.
- **DO NOT COVER BREATHING HOLE.** Ensure proper ventilation around the drive to prevent overheating.



Image: Toshiba MK1255GSX 120GB Internal Hard Disk Drive. This image displays the top surface of the hard drive, featuring the product label with essential information such as the model number (MK1255GSX), serial number, power requirements (DC+5V 1.0A), and various safety and handling instructions. The label also indicates the drive's capacity as 120GB.

## SETUP AND INSTALLATION

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Follow these steps to properly install your internal hard disk drive:

1. **Preparation:** Before beginning, ensure your computer is powered off and unplugged from the wall outlet. Ground yourself to discharge any static electricity.
2. **Open Computer Case:** Carefully open your computer's case according to its manufacturer's instructions.
3. **Locate Drive Bay:** Identify an available 2.5-inch drive bay. For desktop PCs, you might need a 2.5-inch to 3.5-inch adapter bracket (not included).
4. **Mount the Drive:** Slide the MK1255GSX into the drive bay and secure it with screws on both sides. Ensure it is firmly seated.
5. **Connect Cables:** Connect a SATA data cable from the drive to an available SATA port on your motherboard. Then, connect a SATA power cable from your power supply unit to the drive.
6. **Close Case and Power On:** Close the computer case, plug in the power cord, and power on your computer.
7. **Initialize and Format:** Once the computer boots, you may need to initialize and format the new drive through your operating system's Disk Management utility (Windows) or Disk Utility (macOS) before it can be used. Refer to your operating system's documentation for detailed steps.

## OPERATING THE HARD DISK DRIVE

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Once installed and formatted, the Toshiba MK1255GSX operates as a standard storage device. You can use it for:

- **Operating System Installation:** Install your preferred operating system directly onto the drive.
- **Data Storage:** Store documents, photos, videos, and other files.

- **Application Storage:** Install software applications and games.
- **Backup Drive:** Use it as a secondary drive for backing up important data.

Always ensure proper shutdown procedures for your computer to prevent data corruption or drive damage.

## MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your hard disk drive, consider the following maintenance tips:

- **Regular Backups:** Periodically back up critical data to another storage device.
- **Keep Cool:** Ensure adequate airflow within your computer case to prevent the drive from overheating.
- **Avoid Physical Shocks:** Do not drop or subject the computer to sudden impacts, especially when the drive is operating.
- **Software Maintenance:** Regularly run disk defragmentation (for HDDs on Windows) and error-checking utilities.
- **Cleanliness:** Keep the computer environment clean and dust-free to prevent dust buildup inside the case, which can affect cooling.

## TROUBLESHOOTING

If you encounter issues with your Toshiba MK1255GSX, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Drive not detected by BIOS/OS	Loose cables, incorrect BIOS settings, faulty drive.	Check SATA data and power connections. Verify BIOS settings to ensure SATA ports are enabled. Test the drive in another system if possible.
Slow performance	Fragmented data, drive nearing capacity, background processes.	Run disk defragmenter. Free up disk space. Check for resource-intensive background applications.
Unusual noises (clicking, grinding)	Impending drive failure.	<b>Immediately back up all critical data.</b> The drive may be failing. Consider replacing the drive. (Note: A slight rattle noise is normal, as mentioned in safety info).
Data corruption	Improper shutdown, bad sectors, virus.	Run disk error checking utility (e.g., CHKDSK on Windows). Scan for viruses. Ensure proper system shutdowns.

## SPECIFICATIONS

Key technical specifications for the Toshiba MK1255GSX 120GB Internal Hard Disk Drive:

Feature	Detail
Brand	TOSHIBA
Model Number	MK1255GSX
Digital Storage Capacity	120 GB
Hard Disk Description	Mechanical Hard Disk

Feature	Detail
Compatible Devices	Desktop (and potentially laptops, given 2.5-inch form factor)
Hard Disk Rotational Speed	5400 RPM (Revolutions Per Minute)
Cache Size	8 MB (approximate, based on "8 ", likely a parsing error for MB)
Data Transfer Rate	363 Megabits Per Second
Product Dimensions (W x H x D)	7 x 10 x 0.9 cm (approx. 2.75 x 3.94 x 0.35 inches)
Item Weight	95.2 g (approx. 0.21 pounds)
Wattage	4.5 W
Manufacturer Discontinued	No
First Available Date	August 15, 2012

## WARRANTY AND SUPPORT

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This Toshiba product is covered by a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Toshiba support website. Keep your proof of purchase for warranty claims.

For technical support, driver downloads, or further assistance, please visit the official Toshiba support portal or contact their customer service. Links to support resources can typically be found on the Toshiba website.

*Note: Warranty terms and support availability may vary by region and purchase date.*

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This manual is for informational purposes only. Specifications are subject to change without notice.