Unitek 93-Y-1039-US

Unitek USB 3.0 to SATA III Hard Drive Adapter Instruction Manual

Model: 93-Y-1039-US

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1. INTRODUCTION

The Unitek USB 3.0 to SATA III Hard Drive Adapter provides a convenient solution for connecting 2.5-inch and 3.5-inch SATA I/II/III SSDs, HDDs, and optical drives to your computer via a USB interface. This adapter supports data transfer speeds up to 5 Gbps (USB 3.0) and up to 6 Gbps for SSDs, with UASP support for enhanced performance. It is compatible with various operating systems including Windows, macOS, Chrome OS, and Linux, making it a versatile tool for data recovery, drive cloning, or expanding storage.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Unitek USB 3.0 to SATA Hard Drive Adapter
- 1 x USB 3.0 Data Cable (approximately 2.6 ft)
- 1 x 12V/2A Power Adapter

Image: All components included in the Unitek USB 3.0 to SATA adapter kit, including the adapter, USB cable, and power adapter.

3. KEY FEATURES

- **Universal Compatibility:** Supports standard 2.5-inch and 3.5-inch SATA I/II/III SSDs, HDDs, and optical drives (BLU-RAY DVD, CD-ROM, DVD-ROM, CD-RW, DVD-RW, DVD+RW Combo devices).

- **High Capacity Support:** Compatible with drives up to 18 TB.

- **SuperSpeed USB 3.0:** Achieves data transfer rates up to 5 Gbps, backward compatible with USB 2.0/1.1. For SSDs, speeds can reach up to 6 Gbps.

- **UASP Functionality:** Provides up to 70% faster read speeds and 40% faster write speeds compared to traditional USB 3.0 when used with a UASP-enabled host controller and operating system.

- **Plug and Play:** No driver installation required for Windows 7/8/10/XP/Vista and Mac OS 8 or above.

- **External Power Adapter:** Includes a 12V/2A power adapter for stable operation, especially for 3.5-inch HDDs and optical drives.

WIDE COMPATIBILITY

Windows   MacOS   Chrome OS   Linux

Support

Desktop   Laptop   iMAC   Mac Book

Hard Drive

3.5'' HDD   2.5'' HDD   2.5'' SSD   Optical Drive

Image: The adapter demonstrating wide compatibility with various operating systems (Windows, macOS, Chrome OS, Linux) and drive types (2.5" HDD, 3.5" HDD, 2.5" SSD, Optical Drive).

Image: The adapter connected to a hard drive, illustrating its support for capacities up to 18TB.

4. SETUP INSTRUCTIONS

Follow these steps to connect your hard drive or optical drive using the Unitek USB 3.0 to SATA adapter:

1. **Connect the Adapter to the Drive:** Align the SATA connector on the Unitek adapter with the SATA data and power ports on your 2.5-inch or 3.5-inch SATA HDD/SSD or optical drive. Gently push the adapter firmly onto the drive until it is securely connected.

2. **Connect the Power Adapter (for 3.5'' HDDs/Optical Drives):** For 3.5-inch hard drives and optical drives, an external power supply is required. Connect the included 12V/2A power adapter to the power input port on the Unitek adapter. Then, plug the power adapter into a wall outlet. 2.5-inch SSDs/HDDs typically do not require external power and can draw power directly from the USB port.

3. **Connect to Computer:** Plug the USB 3.0 data cable from the Unitek adapter into an available USB 3.0 port on your computer. For optimal performance, use a USB 3.0 port. The device is plug-and-play, so your operating system should automatically detect and install the necessary drivers.

4. **Access the Drive:** Once connected, the drive should appear as an external storage device in your computer's file explorer (Windows) or Finder (macOS). If it's a new drive, you may need to initialize and format it through Disk Management (Windows) or Disk Utility (macOS) before use.

Image: A visual guide showing the four steps to connect the Unitek adapter: 1) Connect adapter to disk, 2) Connect power supply (if needed), 3) Plug USB into PC/laptop, 4) Access the drive.
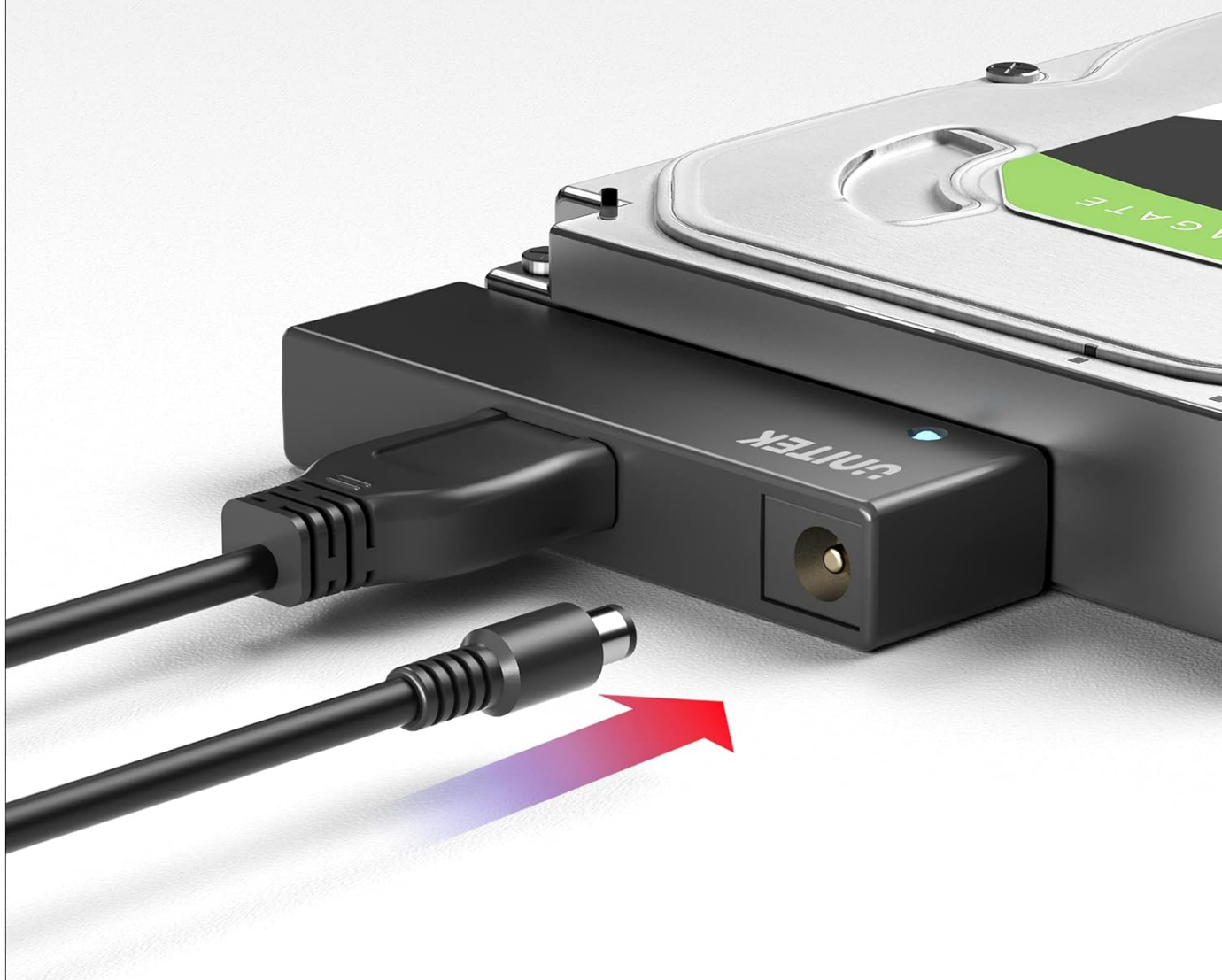
Image: Close-up of the Unitek adapter connected to a 3.5" HDD, with the DC-12V power adapter being plugged in to supply stable power.

Your browser does not support the video tag.

Video: Demonstration of connecting the Unitek USB 3.0 to SATA adapter to a hard drive and computer, including power connection for 3.5-inch drives. (Source: Ocean Technology LLC)
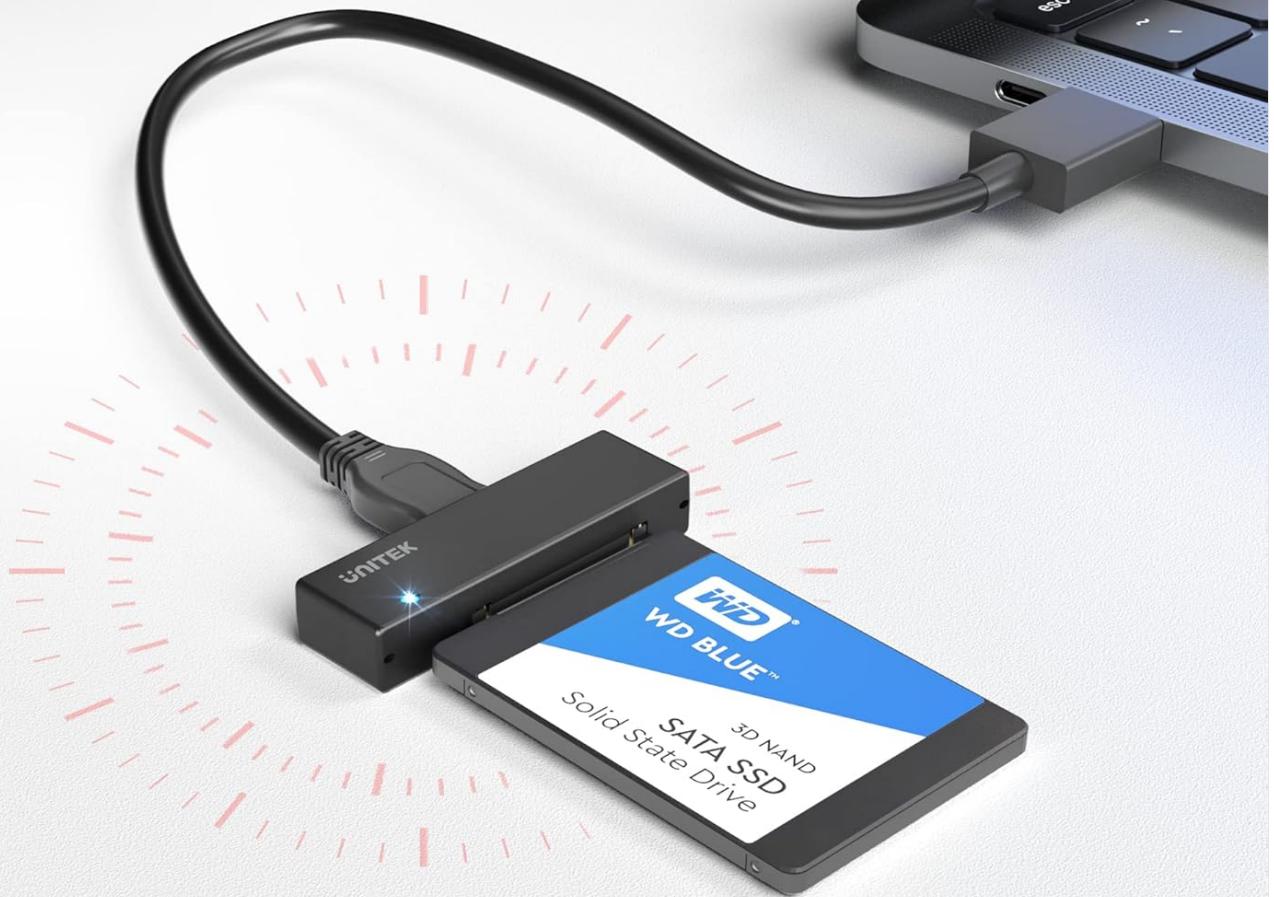
5. OPERATING INSTRUCTIONS

- **Data Transfer:** Once the drive is recognized by your computer, you can drag and drop files, copy, paste, or use backup software to transfer data to and from the connected drive.
- **LED Indicator:** The adapter features a smart LED light signal.
  - **Reading/Writing:** The light will flash when data is being read from or written to the drive.
  - **Sleeping:** If there is no reading or writing activity for 30 minutes, the adapter will enter sleep mode. The light will show 1 second on, 3 seconds off, indicating it is cycling.
- **Safe Removal:** Always safely eject the drive from your operating system before physically disconnecting the

adapter or power supply to prevent data corruption.

Image: The adapter showing its smart LED light signal, indicating reading activity (flashing light) and sleep mode (cycling light).

Your browser does not support the video tag.

Video: A brief overview of the Unitek USB 3.0 to SATA III Hard Drive Adapter, highlighting its features and ease of use for data access. (Source: Ocean Technology LLC)

6. MAINTENANCE

- Keep the adapter and cables clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the adapter yourself, as this will void the warranty and may cause damage.
- Store the adapter in a safe place when not in use to prevent physical damage.

7. TROUBLESHOOTING

Issue: Drive not detected by computer.

- Ensure all cables are securely connected: the adapter to the drive, the power adapter to the adapter (for 3.5" drives), and the USB cable to a functioning USB port on your computer.
- If using a 3.5-inch HDD or optical drive, confirm the 12V/2A power adapter is correctly plugged in and receiving power.
- Try connecting the adapter to a different USB port on your computer.
- Test the adapter with a different known-working drive to rule out drive issues.
- Check Disk Management (Windows) or Disk Utility (macOS) to see if the drive is recognized but uninitialized or unformatted. New drives require initialization and formatting.

Issue: Slow data transfer speeds.

- Ensure you are connected to a USB 3.0 port on your computer. USB 2.0 ports will result in slower speeds.
- Verify that your operating system and computer's USB controller support UASP for maximum performance.
- The actual speed depends on the drive's capability. Older HDDs will naturally be slower than SSDs.
- Avoid transferring many small files simultaneously, as this can reduce overall transfer speed.

Issue: Drive disconnects randomly.

- Ensure the power adapter is providing stable power, especially for 3.5-inch drives.
- Check for loose connections.
- Avoid placing the adapter in areas with poor ventilation, as overheating can cause instability.

8. SPECIFICATIONS

Model Number	93-Y-1039-US
Brand	Unitek
Product Dimensions	2.8 x 0.9 x 0.4 inches
Item Weight	4.6 ounces
Compatible Devices	2.5"/3.5" SATA I/II/III HDD/SSD, Optical Drives (BLU-RAY DVD, CD-ROM, DVD-ROM, CD-RW, DVD-RW, DVD+RW Combo devices)
Connector Type	USB Type A
Data Transfer Speed	Up to 5 Gbps (USB 3.0), up to 6 Gbps (for SSDs with UASP)
Max Capacity Support	18 TB
Power Adapter	12V/2A (included)
Operating System Support	Windows XP/Vista/7/8/10, Mac OS 8 or above, Chrome OS, Linux

9. WARRANTY AND SUPPORT

Unitek products are designed for reliability and performance. For specific warranty information, please refer to the

documentation included with your purchase or visit the official Unitek website. If you encounter any issues or require technical assistance, please contact Unitek customer support through their official channels.
You can find more information and support resources on the **Unitek Store on Amazon**.