

Monoprice 114597

Monoprice USB 3.0 to SATA Converter Adapter (Model 114597) User Manual

Connect SATA Drives to Your Computer via USB

1. INTRODUCTION

The Monoprice USB 3.0 to SATA Converter Adapter (Model 114597) provides a convenient solution for connecting various SATA drives to a computer via a USB port. This adapter facilitates data transfer and access for 2.5-inch SATA hard drives (HDD) and solid-state drives (SSD), 3.5-inch SATA HDDs, and 5.25-inch optical drives (CD-ROM, DVD-RW, Blu-ray DVD).

This manual provides instructions for the proper setup, operation, and maintenance of your Monoprice USB 3.0 to SATA Converter Adapter.

2. PRODUCT FEATURES

- Supports USB 3.0 speeds up to 5 Gbps for fast data transfer.
- Enables easy and quick access to external storage devices.
- No external power required for 2.5-inch HDDs/SSDs.
- Includes a 12 VDC power adapter for 3.5-inch HDDs/SSDs and 5.25-inch optical drives.
- Compatible with 2.5"/3.5" SATA HDD/SSD, BLU-RAY DVD, CD-ROM, DVD-ROM, CD-RW, DVD-RW, and DVD+RW combo devices.

3. PACKAGE CONTENTS

Please verify that your package contains the following items:

- Monoprice USB 3.0 to SATA Converter Adapter (Model 114597)
- 12 VDC Power Adapter (for 3.5" drives and 5.25" optical drives)



Image: Monoprice USB 3.0 to SATA Converter Adapter with its 12VDC power adapter.

4. SETUP INSTRUCTIONS

4.1. Connecting a 2.5-inch SATA HDD/SSD

For 2.5-inch SATA hard drives or solid-state drives, no external power adapter is required as the device is bus-powered via USB.

1. Connect the SATA connector of the adapter to the 2.5-inch SATA drive. Ensure a firm connection.
2. Connect the USB 3.0 connector of the adapter to an available USB port on your computer. For optimal performance, use a USB 3.0 port.
3. The drive should be recognized by your operating system.



Image: Close-up view of the adapter's SATA and USB connectors.

4.2. Connecting a 3.5-inch SATA HDD/SSD or 5.25-inch Optical Drive

For 3.5-inch SATA hard drives/SSDs or 5.25-inch optical drives, the included 12 VDC power adapter is required.

1. Connect the SATA connector of the adapter to the 3.5-inch SATA drive or 5.25-inch optical drive. Ensure a firm connection.
2. Connect the 12 VDC power adapter to the adapter's power input port.
3. Plug the 12 VDC power adapter into a standard power outlet.
4. Connect the USB 3.0 connector of the adapter to an available USB port on your computer. For optimal performance, use a USB 3.0 port.
5. The drive should be recognized by your operating system.



Image: Top view of the Monoprice USB 3.0 to SATA Converter Adapter.

5. OPERATING INSTRUCTIONS

Once the adapter and drive are properly connected, your computer's operating system should automatically detect the drive. It will appear as a removable storage device, similar to an external hard drive or USB flash drive.

- **Accessing Data:** You can access, transfer, and manage files on the connected drive using your computer's file explorer (e.g., File Explorer on Windows, Finder on macOS).
- **New Drives:** If connecting a brand new drive, it may need to be initialized and formatted before it can be used. Refer to your operating system's documentation for instructions on disk management.
- **Safe Removal:** Always safely eject the drive from your operating system before physically disconnecting the adapter or the drive. This prevents potential data corruption or loss.

6. MAINTENANCE

To ensure the longevity and proper functioning of your Monoprice USB 3.0 to SATA Converter Adapter, follow these maintenance guidelines:

- Keep the adapter clean and free from dust. Use a soft, dry cloth for cleaning.

- Store the adapter in a dry environment, away from direct sunlight and extreme temperatures.
- Avoid bending or crimping the cables excessively, as this can damage internal wiring.
- Do not expose the adapter to liquids or high humidity.

7. TROUBLESHOOTING

7.1. Drive Not Recognized

- Ensure all connections (SATA, USB, and power adapter if applicable) are secure and fully inserted.
- For 3.5-inch drives or optical drives, confirm the 12 VDC power adapter is correctly connected to the adapter and plugged into a working power outlet.
- Try connecting the adapter to a different USB port on your computer.
- Test the adapter with a different SATA drive, or test the drive with a different adapter/enclosure to determine if the issue lies with the adapter or the drive.
- Check your computer's Disk Management (Windows) or Disk Utility (macOS) to see if the drive is detected but unformatted or unallocated.

7.2. Slow Transfer Speeds

- Ensure the adapter is connected to a USB 3.0 port on your computer for optimal speeds. USB 2.0 ports will operate at slower speeds.
- Verify that the connected drive itself supports USB 3.0 speeds.
- Close other applications that might be consuming significant system resources or disk I/O.

7.3. Power Issues with Optical Drives (e.g., Blu-ray)

- Some Blu-ray drives may require more power than this adapter can supply, even with the included 12 VDC power adapter. If you experience instability, read errors, or the drive repeatedly cycles on/off, consider an alternative power source or a different adapter designed for higher power optical drives.

8. SPECIFICATIONS

Brand	Monoprice
Model Number	114597
Connector Type (Host)	USB 3.0
Connector Type (Device)	SATA (Data & Power)
Cable Type	USB
Compatible Devices	2.5" / 3.5" SATA HDD/SSD, 5.25" Optical Drives (CD-ROM, DVD-RW, Blu-ray DVD)
Data Transfer Speed	Up to 5 Gbps (USB 3.0)
Power Input	USB bus-powered for 2.5" drives; 12 VDC power adapter for 3.5" drives and 5.25" optical drives
Product Dimensions (L x W x H)	14.73 x 13.97 x 6.35 cm

Color	White
-------	-------

9. WARRANTY AND SUPPORT

For detailed warranty information, technical support, or to register your product, please visit the official Monoprice website or contact Monoprice customer service directly. Keep your purchase receipt for warranty claims.