

StarTech.com USB312SAT3CB

StarTech.com USB312SAT3CB SATA to USB-A 10Gbps Adapter Cable User Manual

Model: USB312SAT3CB

1. INTRODUCTION

This manual provides instructions for the StarTech.com USB312SAT3CB SATA to USB-A 10Gbps Adapter Cable. This cable offers a convenient solution for accessing data on 2.5-inch Solid State Drives (SSDs) or Hard Disk Drives (HDDs) via a USB-A port on your computer. It supports data transfer speeds of up to 10 Gbps and is designed for ease of use without requiring external power for 2.5-inch drives.

2. PRODUCT OVERVIEW

The USB312SAT3CB adapter cable is designed for quick and easy access to 2.5-inch SATA drives. It is ideal for data migration, drive cloning, data backup, and data recovery applications.

Key Features:

- **Quick Drive Access:** Connects directly to a 2.5-inch SATA SSD or HDD.
- **High-Speed Data Transfer:** Supports USB 3.1 Gen 2 (10Gbps) with UASP for enhanced performance.
- **Plug-and-Play:** Driverless installation and OS-independent compatibility (Windows, macOS, Linux, ChromeOS).
- **Portable Design:** Bus-powered, requiring no external power source for 2.5-inch drives, making it highly portable.
- **SATA Compatibility:** Supports SATA I, II, and III (up to 6Gbps).

3. PACKAGE CONTENTS

- 1 x USB 3.1 to SATA 2.5" HDD adapter cable (Model: USB312SAT3CB)
- 1 x Quick Start Guide

4. SETUP

Follow these steps to connect your 2.5-inch SATA drive to your computer using the adapter cable.

1. Connect the SATA Drive:

HOW TO USE?

USB312SAT3CB



1

Connect the adapter cable to a 2.5" Hard Drive/Solid State Drive

2

Connect the USB-A connector to a USB-A port on the host computer



Image: Connecting the adapter cable to a 2.5-inch Hard Drive/Solid State Drive.

Align the SATA connector of the adapter cable with the SATA data and power ports on your 2.5-inch SSD or HDD. Gently push the connector until it is firmly seated.

2. Connect to Host Computer:



Image: The adapter cable connected to a laptop, showing compatibility with Windows, macOS, Chrome OS, and Linux.

Plug the USB-A connector of the adapter cable into an available USB-A port on your laptop or desktop computer. The device is bus-powered and does not require an external power adapter for 2.5-inch drives.

3. Drive Initialization (for new drives):

If you are connecting a brand new 2.5-inch SSD or HDD, it may need to be initialized and formatted before it can be used. Refer to your operating system's disk management tools to initialize the drive and create a partition. Once initialized, the drive will appear as a new storage device.

Compatibility:

- Compatible with 2.5-inch SATA I, II, and III SSDs and HDDs.
- Not compatible with 3.5-inch drives, which require an external power source.
- Operating System Independent: Works with Windows, macOS, Linux, and ChromeOS.



Compatible with 2.5" SATA Drives Only

USB312SAT3CB

Image: The adapter cable is compatible only with 2.5-inch SATA drives.

5. OPERATING INSTRUCTIONS

Once connected, your computer should automatically detect the SATA drive. You can then perform various operations:

- **Data Transfer:** Drag and drop files to and from the connected drive. The adapter supports USB 3.1 Gen 2 speeds (up to 10Gbps) and UASP for optimized performance, allowing for fast copying of large files.



Max Data Transfer Speed

 10 Gbps

Image: Max Data Transfer Speed of 10 Gbps.

- **Data Backup/Recovery:** Use your preferred backup software to create backups or recover data from the drive.
- **Drive Cloning:** The adapter facilitates drive cloning for system upgrades or replacements.
- **Hot-Swapping:** The adapter supports hot-swapping, allowing you to connect and disconnect drives without restarting your computer.

Official Product Video:

Video: This video provides a visual guide on using StarTech.com USB SATA Adapter Cables for quick and easy access to SATA SSDs or HDDs, highlighting features like tool-free connection, driverless setup, UASP support, and bus-powered operation.

Video: This video demonstrates the functionality and benefits of StarTech.com USB SATA Adapter Cables, including support for TRIM, S.M.A.R.T. information, 4K AF hard drives, hot-swapping, and activity LEDs.

6. MAINTENANCE

To ensure optimal performance and longevity of your adapter cable:

- Keep the cable and connectors clean and free from dust.
- Avoid bending or twisting the cable excessively.
- Store the adapter in a cool, dry place when not in use.

- Disconnect the cable by pulling on the connector, not the cable itself, to prevent damage.

7. TROUBLESHOOTING

- **Drive Not Detected:**

- Ensure both the SATA drive and the USB-A connector are firmly seated.
- Try connecting to a different USB-A port on your computer.
- Verify that the SATA drive is a 2.5-inch model. This adapter does not support 3.5-inch drives.
- For new drives, ensure they have been initialized and formatted using your operating system's disk management tools.

- **Slow Transfer Speeds:**

- Ensure you are connected to a USB 3.1 Gen 2 (10Gbps) compatible port on your computer for optimal speeds.
- Verify that your operating system supports UASP (USB Attached SCSI Protocol) for enhanced performance.
- The actual speed may vary depending on the drive's performance and your computer's specifications.

- **No Drivers Required:** This adapter is OS-independent and does not require any additional driver installation. If prompted for drivers, ensure your operating system is up to date.

8. SPECIFICATIONS

Feature	Detail
Brand	StarTech.com
Model Name	USB312SAT3CB
Connector Type	SATA / USB-A
Cable Type	USB
Compatible Devices	2.5-inch HDD and SSD, Laptop, Personal Computers with USB port
Data Transfer Rate	10 Gigabits Per Second (USB 3.1 Gen 2)
Special Features	Data Transfer, Driverless, Universal Compatibility (Windows, MacOS, Linux, ChromeOS), Hot-swap, Plug and Play, UASP Support
Connector Gender	Male-to-Male
Cable Length	0.5 meters (19.7 inches)
Power Source	USB Bus-Powered (for 2.5" drives)
Item Weight	0.03 Kilograms
External Testing Certification	CE, FCC

9. WARRANTY AND SUPPORT

This StarTech.com product is backed by a **2-year warranty**. Additionally, StarTech.com offers **free lifetime technical support** to assist you with any questions or issues you may encounter.

For technical support or warranty claims, please visit the official StarTech.com website or contact their customer service directly.