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MaxRenard USB-SATA-IDE-001

MaxRenard USB 3.0 to IDE/SATA Hard Drive Adapter

USER MANUAL

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your MaxRenard USB 3.0 to IDE/SATA Hard Drive Adapter. This device is designed to facilitate data transfer, backup, and recovery between various types of hard drives (IDE/SATA, 2.5"/3.5" HDD/SSD) and your computer via a USB 3.0 interface. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

2. Package Contents

Please verify that all items listed below are included in your package:

- 1x MaxRenard USB 3.0 to IDE/SATA Converter
- 1x USB 3.0 Data Cable
- 1x 4-Pin IDE Power Cable
- 1x 12V/2A Power Adapter

3. Product Overview and Features

The MaxRenard USB 3.0 to IDE/SATA adapter is a versatile tool for managing data across different storage devices. It supports simultaneous connection of up to three drives (one SATA, two IDE) and offers high-speed data transfer.



Image 3.1: Broad Compatibility Overview. This image illustrates the adapter's various ports, including DC12V power input, Micro USB 3.0 port, 4-Pin power output, and connections for 2.5" and 3.5" IDE hard drives, as well as 2.5" and 3.5" SATA hard drives, SATA DVD-ROM, and SATA CD-ROM drives.

- **Universal Compatibility:** Connects 2.5"/3.5" IDE/SATA HDDs/SSDs, DVD-ROM, CD-ROM, CD-RW drives.
- **USB 3.0 SuperSpeed:** Achieves data transfer rates up to 5Gbps, backward compatible with USB 2.0/1.1.
- **Multi-Drive Support:** Features 1 SATA III port and 2 IDE ports, allowing simultaneous read/write operations on up to 3 drives.
- **Large Capacity Support:** Supports single drives up to 20TB.
- **Plug-and-Play:** Driver-free for most modern operating systems.

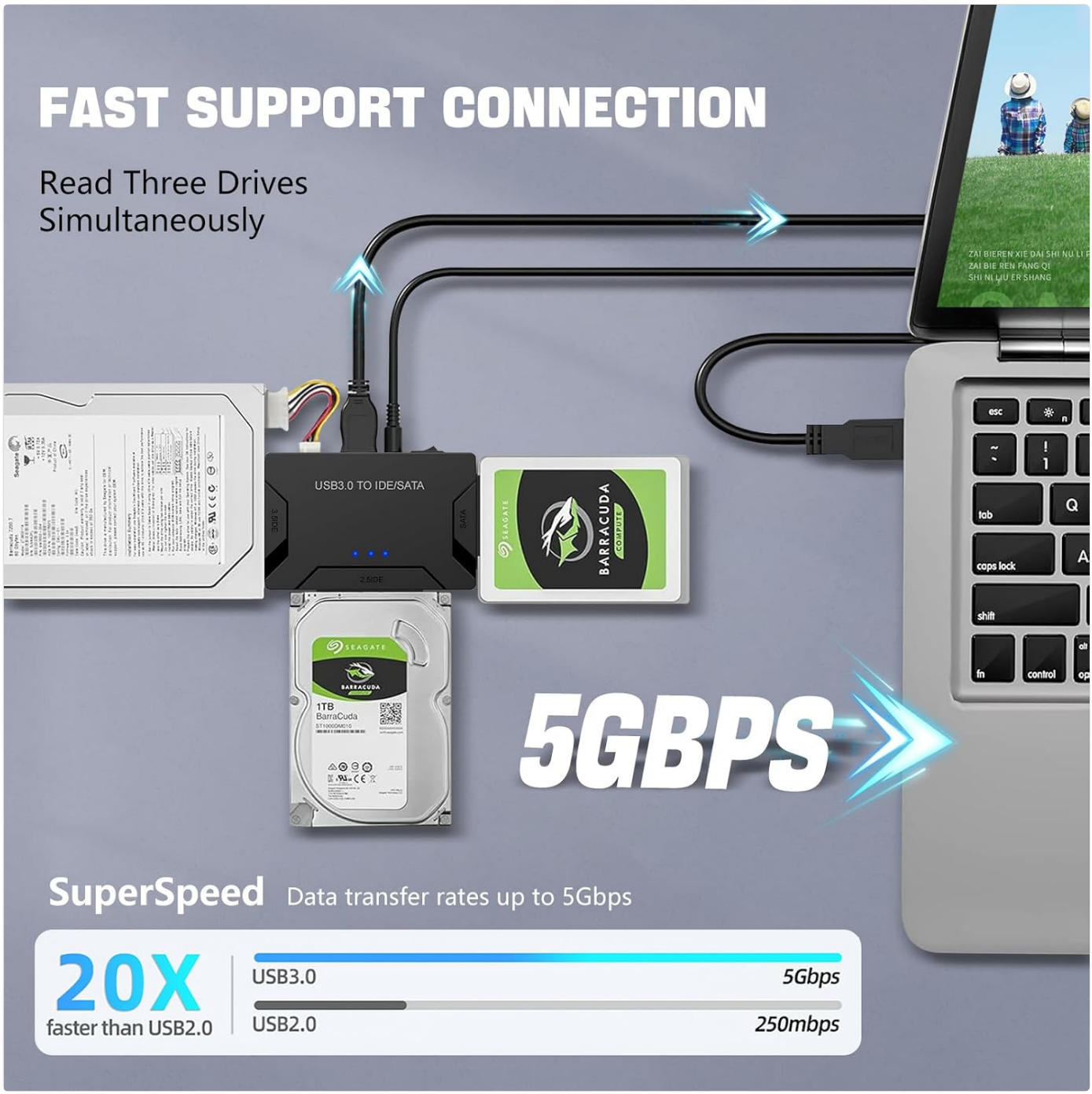


Image 3.2: SuperSpeed Data Transfer. This image highlights the USB 3.0 interface's capability to achieve data transfer rates of up to 5Gbps, which is 20 times faster than USB 2.0 (250Mbps), enabling quick transfer of large files.

4. Setup Instructions

Follow these steps to connect your hard drive(s) to your computer using the adapter:

1. **Connect the Hard Drive:** Securely connect your IDE or SATA hard drive to the corresponding port on the adapter.
    - For 2.5" IDE drives, connect directly to the 2.5" IDE port.
    - For 3.5" IDE drives, connect to the 3.5" IDE port and ensure the 4-pin IDE power cable is connected from the adapter to the drive.
    - For SATA drives (2.5" or 3.5"), connect to the SATA port.
2. **Connect Power:** Attach the 12V/2A power supply to the adapter's DC12V port. This power supply is essential for all 3.5" drives and recommended for stable operation with multiple 2.5" drives.
3. **Connect to Computer:** Link the adapter to your computer using the provided USB 3.0 data cable. Plug one end into the adapter's USB 3.0 port and the other into an available USB port on your computer.

4. **Power On:** Flip the ON/OFF switch on the adapter to the "ON" position. The indicator lights on the adapter will illuminate.



Image 4.1: Installation Method. This visual guide demonstrates the four steps: 1. Connecting the IDE or SATA hard drive to the adapter. 2. Connecting the USB cable and DC power socket to the adapter. 3. Connecting the adapter to the computer via USB. 4. Turning on the device with the power switch.

5. Operating Instructions

Once connected and powered on, your operating system should detect the connected drive(s) automatically. The drives will appear as removable storage devices.

- **Accessing Drives:** Navigate to "This PC" (Windows) or "Finder" (macOS) to locate the connected drives. You can then drag and drop files, copy, paste, or perform other data management tasks.
- **Simultaneous Operation:** The adapter supports reading and writing to up to three drives concurrently. This allows for efficient data transfer between different drive types.
- **Safe Removal:** Always safely eject or unmount the drives from your operating system before disconnecting the

adapter or powering it off to prevent data corruption.



Image 5.1: Three Drives Reading Simultaneously. This image demonstrates the adapter's capability to connect and access three different types of drives (3.5" IDE, 2.5" IDE, and 2.5"/3.5" SATA SSD) to a laptop at the same time, facilitating multi-drive data operations.

6. Compatibility

The MaxRenard USB 3.0 to IDE/SATA adapter offers broad compatibility with various operating systems and storage devices.

- **Operating Systems:** Windows 10/8/7/Vista, Linux, Mac OS 9.0–10.13.3.
- **Devices:** Compatible with PS4, Xbox One, and major HDD/SSD brands (WD, Seagate, Toshiba, Samsung). Also supports DVD-ROM/CD-ROM/CD-RW drives.
- **Drive Types:** 2.5" and 3.5" SATA I/II/III HDDs/SSDs, 2.5" and 3.5" IDE HDDs.



Image 6.1: Large Storage Capacity and System Compatibility. This image illustrates the adapter's compatibility with various USB 3.0 devices (PS5, Laptop, iMac, HDTV, Xbox One) and 2.5"/3.5" HDD/SSD types (IDE, SATA, CD driver). It also highlights driver-free support for Windows, macOS, and Linux operating systems.

7. Power Supply

The adapter requires external power for proper operation, especially when connecting 3.5" drives or multiple drives.

- **DC12V/2A Power Adapter:** Provides stable power to the adapter and connected drives. Always use the included power adapter.
- **4-Pin IDE Power Cable:** Used to supply power to 3.5" IDE hard drives from the adapter.
- **Power Switch:** An ON/OFF switch is integrated for convenient power control.



Image 7.1: Dual Power Supply. This image showcases the adapter's power features: a main power switch for easy device control, a DC12V2A power port for external power input, and an equipped four-pin power supply port for 3.5" IDE drives.

8. Maintenance

To ensure the longevity and optimal performance of your adapter, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the adapter. Do not use liquid cleaners or solvents.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the adapter or subjecting it to strong impacts.
- **Cable Care:** Do not bend cables excessively or place heavy objects on them.

9. Troubleshooting

If you encounter issues with your MaxRenard USB 3.0 to IDE/SATA adapter, please refer to the following common solutions:

- **Drive Not Detected:**
  - Ensure all cables (data and power) are securely connected.
  - Verify the adapter's power switch is ON and indicator lights are active.
  - For 3.5" drives, confirm the 12V/2A power adapter is connected and functioning. For 3.5" IDE drives, ensure the 4-pin power cable is also connected.
  - Try connecting the adapter to a different USB port on your computer.
  - Check Disk Management (Windows) or Disk Utility (macOS) to see if the drive is recognized but uninitialized or unformatted.
  - Ensure the drive itself is functional by testing it with another enclosure or system if possible.
- **Slow Transfer Speeds:**
  - Ensure the adapter is connected to a USB 3.0 port on your computer. USB 2.0 ports will limit speeds.
  - Verify the hard drive itself is capable of high speeds. Older IDE drives will naturally be slower.
  - Close other applications that might be using significant system resources.
- **Intermittent Disconnections:**
  - Ensure the power supply is stable and sufficient.
  - Check for loose cable connections.
  - Avoid using unpowered USB hubs; connect directly to the computer's USB port.

10. Specifications

Feature	Detail
Model Number	USB-SATA-IDE-001
Interface	USB 3.0 (backward compatible with USB 2.0/1.1)
Data Transfer Rate	Up to 5Gbps (USB 3.0)
Drive Compatibility	2.5"/3.5" SATA HDD/SSD, 2.5"/3.5" IDE HDD, CD-ROM, DVD-ROM, CD-RW
Max Drive Capacity	20TB (single drive)
Ports	1x SATA III, 2x IDE (2.5" and 3.5")
Power Input	12V/2A DC (Type B - 3 pin North American plug)
Operating Systems	Windows 10/8/7/Vista, Linux, Mac OS 9.0–10.13.3
Color	Black

11. Warranty and Support

MaxRenard products are designed for reliability and performance. This product comes with a standard limited warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact MaxRenard customer support.
If you require further assistance, have questions, or encounter issues not covered in this manual, please contact MaxRenard customer support through the retailer where you purchased the product or visit the official MaxRenard website for support contact information.

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