

LEEKOOLUU 4456231

LEEKOOLUU SATA/PATA/IDE Drive to USB 2.0 Adapter Converter Cable

Model: 4456231 - Instruction Manual

1. INTRODUCTION

This manual provides instructions for the proper setup and operation of your LEEKOOLUU SATA/PATA/IDE Drive to USB 2.0 Adapter Converter Cable. This device allows you to connect 2.5-inch/3.5-inch IDE (PATA) or SATA hard drives, SSDs, CD-ROM, DVD-ROM, CD-RW, and DVD-RW drives to your computer via a USB 2.0 port. It is designed for data transfer, backup, and recovery from older or external drives.

2. SAFETY INFORMATION

- Ensure all connections are secure before powering on the device.
- Use only the provided power adapter. Using an incorrect power supply may damage the device or connected drives.
- Avoid exposing the adapter to moisture, extreme temperatures, or direct sunlight.
- Handle hard drives with care to prevent physical damage.
- Disconnect the adapter from the computer and power supply when not in use.
- For IDE drives, ensure correct jumper settings (Master/Slave/Cable Select) to avoid conflicts.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- USB 2.0 to IDE/SATA Adapter Cable
- AC Power Adapter (for external power)
- AC Power Cord (US plug)

- SATA Data Cable (red)
- 4-pin Molex to SATA Power Adapter Cable



Image: Overview of the LEEKOOLOUU adapter kit, including the main adapter, power supply, and various connection cables.

4. SETUP INSTRUCTIONS

4.1 Connecting an IDE (PATA) Drive

1. **Set IDE Drive Jumpers:** For 3.5-inch IDE hard drives, ensure the jumper is set to **Master** or **Cable Select**. For 2.5-inch IDE laptop drives, jumpers are often not required or are set differently; consult the drive's manufacturer specifications if unsure.
2. **Connect IDE Data Cable:** Plug the 40-pin IDE connector from the adapter cable into the IDE port on your hard drive. Ensure correct orientation (pin 1 aligns).
3. **Connect Power:** Connect the 4-pin Molex power connector from the AC power adapter to the corresponding power port on the IDE drive.

4.2 Connecting a SATA Drive

1. **Connect SATA Data Cable:** Use the provided red SATA data cable. Connect one end to the SATA data port on your drive and the other end to the SATA data port on the adapter.
2. **Connect Power:** Connect the SATA power connector from the 4-pin Molex to SATA power adapter cable to the SATA power port on your drive. Then, connect the 4-pin Molex end of this cable to the 4-pin Molex connector from the AC power adapter.



Image: The primary USB 2.0 to IDE/SATA adapter cable, featuring both IDE and SATA connectors.



Image: A red SATA data cable, used for connecting SATA drives to the adapter.



Image: A 4-pin Molex to SATA power adapter cable, used to provide power to SATA drives from the main power supply.

4.3 Connecting to Computer

1. **Connect AC Power:** Plug the AC power cord into the AC power adapter, then plug the AC power adapter into a wall outlet.
2. **Connect USB:** Plug the USB 2.0 connector from the adapter cable into an available USB port on your computer.



Image: The AC power adapter and cord, providing external power to the connected drives.

5. OPERATING INSTRUCTIONS

1. After connecting the drive and adapter to your computer as described in Section 4, your operating system (Windows, macOS, Linux) should automatically detect the drive.
2. The drive will appear as an external storage device. You can access its contents through File Explorer (Windows) or Finder (macOS).
3. If the drive is new or unformatted, you may need to initialize and format it using Disk Management (Windows) or Disk Utility (macOS) before it can be used.
4. To safely disconnect the drive, always use the 'Safely Remove Hardware' option in Windows or 'Eject' function in macOS/Linux before unplugging the USB cable or power.

6. TROUBLESHOOTING

- **Drive Not Detected:**

- Ensure all cables (data and power) are securely connected to both the drive and the adapter.
- Verify the AC power adapter is plugged into a working wall outlet and the drive is receiving power.
- For IDE drives, check the jumper settings (Master/Cable Select). Incorrect settings can prevent detection.
- Try connecting to a different USB port on your computer.
- Test the adapter with a different known-working drive, or test the drive with a different adapter/computer if possible.

- **Slow Transfer Speeds:**

- This adapter uses USB 2.0, which has a theoretical maximum speed of 480 Mbps (60 MB/s). Actual speeds will be lower due to overhead and drive performance.
- Ensure your computer's USB port is functioning correctly.

- **Drive Overheating:**

- Some hard drives and adapter components can generate heat during operation, especially during prolonged data transfers. Ensure adequate ventilation around the drive and adapter.
- If the drive becomes excessively hot to the touch, disconnect it immediately and allow it to cool. Prolonged excessive heat can damage the drive.

- **Drive Appears but Cannot Be Accessed:**

- The drive may be unformatted or have an unsupported file system. Check Disk Management (Windows) or Disk Utility (macOS).
- The drive may be corrupted. Data recovery software might be needed.

7. SPECIFICATIONS

Model	4456231
Connector Type	USB 2.0
Cable Type	USB
Connector Gender	Male-to-Female

Supported Drives	2.5"/3.5" IDE (PATA) HDD/SSD, SATA HDD/SSD, CD-ROM, DVD-ROM, CD-RW, DVD-RW
Item Weight	0.25 Pounds (approx. 113 grams)

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact LEEKOOLUU customer service directly. Keep your purchase receipt for warranty claims.