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› SanDisk Ultra USB 3.0 Flash Drive SDCZ48-512G-G46 User Manual

SanDisk SDCZ48-512G-G46

SanDisk Ultra USB 3.0 Flash Drive SDCZ48-512G-G46 User Manual

Model: SDCZ48-512G-G46 | Capacity: 512GB

1. INTRODUCTION

This manual provides essential information for the proper use and maintenance of your SanDisk Ultra USB 3.0 Flash Drive. This device offers high-speed data transfer and reliable storage for your digital files.

The SanDisk Ultra USB 3.0 Flash Drive is designed for convenience and performance, featuring a retractable connector to protect the USB interface when not in use. It is compatible with both USB 3.0 and USB 2.0 ports, ensuring broad compatibility with various devices.



Image 1.1: The SanDisk Ultra USB 3.0 Flash Drive, showcasing its black casing and retractable design.

2. SETUP

The SanDisk Ultra USB 3.0 Flash Drive is a plug-and-play device, requiring no special driver installation for most modern operating systems.

2.1 Connecting the Drive

1. Locate an available USB port on your computer. For optimal performance, use a USB 3.0 port (often identified by a blue interior or a 'SS' symbol).
2. Gently slide the retractable connector out from the drive casing.
3. Insert the flash drive firmly into the USB port. The operating system should automatically detect the drive and make it accessible.

Compatible with USB 3.0 and backward-compatible with USB 2.0



Image 2.1: A hand inserting the SanDisk Ultra USB 3.0 Flash Drive into a laptop's USB port, demonstrating the connection process.

3. OPERATING THE DRIVE

3.1 Transferring Files

You can transfer files to and from the flash drive using standard operating system functions:

- **Drag and Drop:** Open the folder containing the files you wish to transfer. Open the flash drive's folder (usually labeled 'SanDisk Ultra' or similar). Drag the desired files or folders from your computer's location to the flash drive's folder.
- **Copy and Paste:** Select the files or folders on your computer, right-click (or Ctrl+click on Mac) and choose 'Copy'. Navigate to the flash drive's folder, right-click, and choose 'Paste'.

When connected to a USB 3.0 port, the drive will achieve significantly faster transfer speeds compared to USB 2.0 ports.

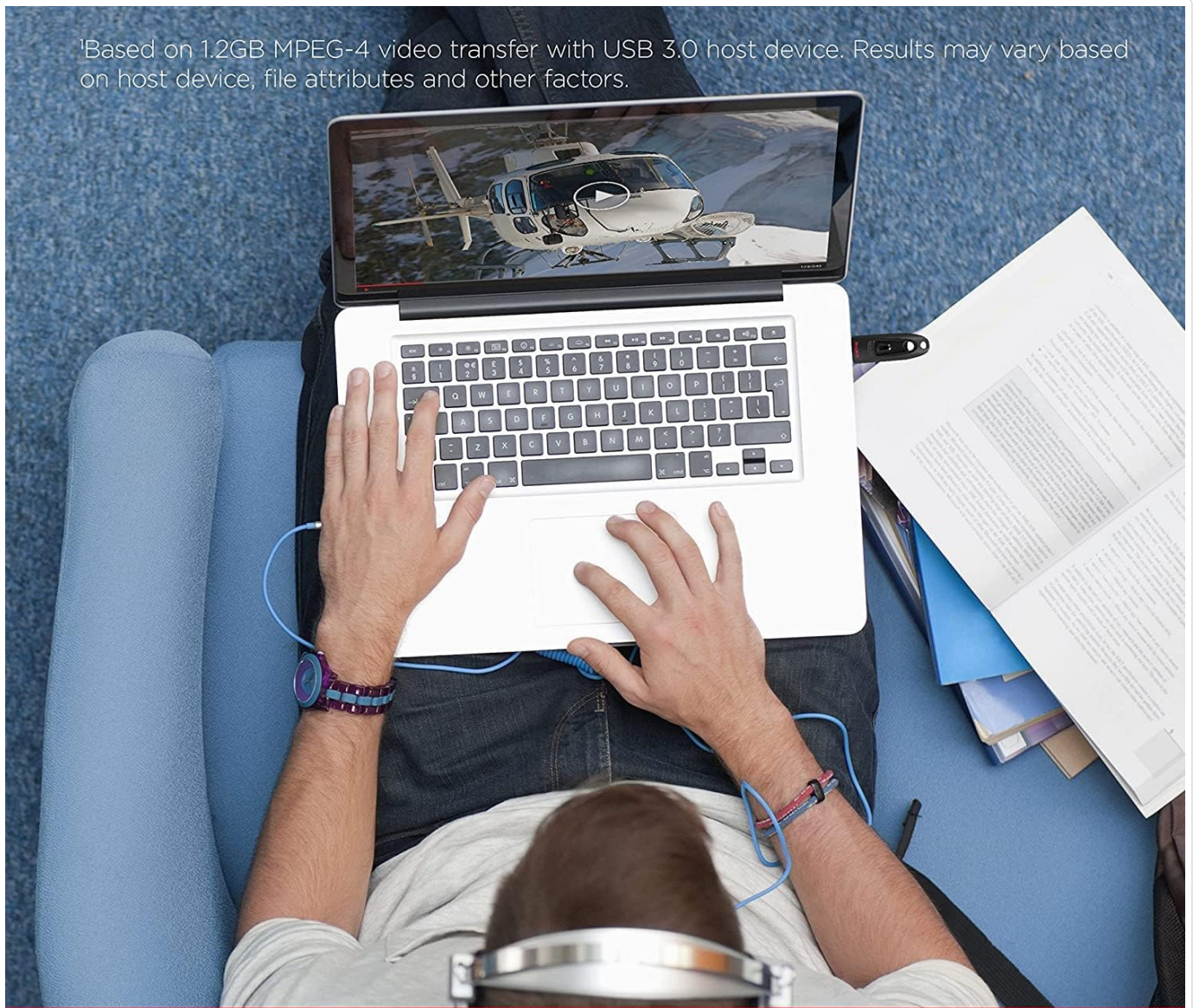
Transfer speeds up to 10x faster than
standard USB 2.0 drives²



²USB 3.0 port required. Based on internal testing; performance may be lower depending on host device. 1MB=1,000,000 bytes.

Image 3.1: An illustration depicting files appearing to transfer from a SanDisk USB drive, symbolizing fast data movement.

¹Based on 1.2GB MPEG-4 video transfer with USB 3.0 host device. Results may vary based on host device, file attributes and other factors.



Transfer a movie in less than 40 seconds¹

Image 3.2: A person using a laptop with the SanDisk USB drive connected, illustrating the quick transfer of large files like movies.

3.2 SanDisk SecureAccess Software (Optional)

For enhanced security, the SanDisk Ultra USB 3.0 Flash Drive supports SanDisk SecureAccess software, which allows you to create a password-protected folder on your drive. This software uses 128-bit AES encryption to keep your private files secure.

- To utilize this feature, download the SanDisk SecureAccess software from the official SanDisk website.
- Follow the on-screen instructions to install the software and set up your password-protected vault.

3.3 SanDisk RescuePRO Deluxe Software (Optional)

The drive may include an offer for SanDisk RescuePRO Deluxe software, which can help recover accidentally deleted files. Registration is typically required to access this feature.



Image 3.3: A laptop screen displaying the 'RescuePRO Deluxe' software interface, indicating its use for data recovery.

3.4 Safely Removing the Drive

Always safely eject the flash drive before physically removing it from your computer to prevent data corruption.

- **Windows:** Click the 'Safely Remove Hardware and Eject Media' icon in the system tray (bottom-right corner), then select the SanDisk drive. Wait for the 'Safe to Remove Hardware' message before unplugging.
- **macOS:** Drag the drive icon from your desktop or Finder sidebar to the Trash icon, or right-click (or Ctrl+click) the drive icon and select 'Eject'. Wait for the icon to disappear before unplugging.

4. MAINTENANCE

Proper care ensures the longevity and reliability of your SanDisk Ultra USB 3.0 Flash Drive.

- **Physical Protection:** Keep the drive in a clean, dry environment. Utilize the retractable connector feature to protect the USB plug from dust and damage when not in use.

- **Avoid Extreme Conditions:** Do not expose the drive to extreme temperatures, direct sunlight, or strong magnetic fields.
- **Data Backup:** Regularly back up important data stored on the flash drive to another storage medium.



Retractable design keeps the connector safe

Image 4.1: A close-up of the SanDisk Ultra USB 3.0 Flash Drive, highlighting its retractable design for connector protection.

5. TROUBLESHOOTING

If you encounter issues with your flash drive, consider the following troubleshooting steps:

- **Drive Not Recognized:**
 - Try inserting the drive into a different USB port on your computer.
 - Test the drive on another computer to rule out a computer-specific issue.
 - Ensure the drive is fully inserted into the USB port.

- Check your computer's Device Manager (Windows) or System Information (macOS) to see if the drive is listed.

• **Slow Transfer Speeds:**

- Ensure you are using a USB 3.0 port for optimal performance. USB 2.0 ports will result in slower speeds.
- Large numbers of small files transfer slower than a few large files of the same total size.
- Close other applications that might be using system resources.

• **Error Messages:**

- If you receive a 'Disk Write Protected' error, check if the drive has a physical write-protect switch (this model does not, but some drives do). You may need to reformat the drive (see below).
- For other errors, consult your operating system's documentation or the SanDisk support website.

• **Formatting the Drive:**

- **Warning:** Formatting will erase all data on the drive. Back up any important files before proceeding.
- **Windows:** Open 'This PC' or 'My Computer', right-click the drive, and select 'Format'. Choose the desired file system (e.g., exFAT for large files and cross-platform compatibility) and click 'Start'.
- **macOS:** Open 'Disk Utility' (Applications > Utilities), select the drive, and click 'Erase'. Choose the desired format (e.g., ExFAT) and scheme (e.g., GUID Partition Map), then click 'Erase'.

6. SPECIFICATIONS

Feature	Specification
Model Name	SDCZ48-512G-G46
Capacity	512 GB
Interface	USB 3.0 (backward compatible with USB 2.0)
Read Speed	Up to 130 MB/s
Write Speed	40 MB/s
Color	Black
Compatibility	PC (Windows 7, 8, 10), Mac (macOS v10.9+)
Dimensions (LxWxH)	0.42 x 0.87 x 0.31 inches
Weight	0.352 ounces

7. WARRANTY AND SUPPORT

Your SanDisk Ultra USB 3.0 Flash Drive comes with **a five-year limited warranty**. For detailed warranty terms and conditions, please refer to the official SanDisk website.

For technical support, product registration, or to download software like SanDisk SecureAccess or RescuePRO Deluxe, please visit the official SanDisk support website:

www.sandisk.com

SanDisk®



SanDisk Ultra® | USB 3.0 Flash Drive

Terms and Conditions apply.
See inside for details.

System/Software Compatibility²

✓ Windows® 7 ✓ Windows 8 ✓ Windows 10 ✓ Mac OS X v10.9+

English * 1GB = 1,000,000,000 bytes. Actual user storage less. ** Read speeds up to 130MB/s. Write speed to drive up to 10 X faster than standard USB 2.0 drives (4MB/s). USB 3.0 port required. Based on internal testing; performance may be lower depending upon host device. 1MB = 1,000,000 bytes. ¹ Based on a 1.2GB MPEG-4 video transfer with USB 3.0 host device. Results may vary based on host device, file attributes and other factors. ² Password protection uses 128-bit AES encryption (Software download required for Mac, visit www.sandisk.com/secureaccess). / **Français** * 1Go = 1 000 000 000 d'octets. Le stockage réel de l'utilisateur est moins important. ** Vitesse de lecture jusqu'à 130Mo/s. Vitesse d'écriture vers la clé jusqu'à 10 X plus rapide que les disques USB 2.0 (4Mo/sec). Un port USB 3.0 est requis. Sur la base de tests réalisés en interne; le niveau de performance peut être inférieur en fonction du dispositif d'accueil. 1Mo = 1 000 000 octets. ¹ Basé sur un transfert vidéo de 1,2Go MPEG-4 avec un dispositif hôte USB 3.0. Les résultats peuvent varier selon le dispositif d'accueil, les attributs du fichier et d'autres facteurs. ² La protection par mot de passe fait appel à un cryptage AES 128 bits (téléchargement de logiciels requis pour Mac, visitez le site www.sandisk.com/secureaccess). / **Italiano** * 1GB = 1.000.000.000 di byte. Archiviazione effettiva minore. ** Velocità di lettura fino a 130MB/sec. Velocità di scrittura su lettore fino a 10 volte più rapida dei lettori standard USB 2.0 (4MB/s). Porta USB 3.0 richiesta. In base ai test interni; le prestazioni possono essere inferiori a seconda della periferica host. 1MB = 1.000.000 di byte. ¹ Valori basati su un trasferimento video di 1,2GB MPEG-4 con dispositivi host USB 3.0. Le prestazioni potrebbero variare a seconda del dispositivo host, degli attributi del file e di altri fattori. ² La protezione con password impiega crittografia AES a 128 bit AES (Per Mac è necessario il download del software - visitare la pagina www.sandisk.com/secureaccess). / **Deutsch** * 1GB = 1.000.000.000 Bytes. Tatsächlicher Speicher für Benutzer geringer. ** Lesegeschwindigkeit bis zu 130MB/s. Schreibgeschwindigkeit auf Laufwerk bis zu 10 Mal schneller als Standard USB 2.0-Laufwerke (4MB/s). USB 3.0-Anschluss erforderlich. Basierend auf internen Tests; die Leistung kann je nach Hostgerät niedriger sein. 1 MB = 1.000.000 Byte. ¹ Basierend auf einer 1,2GB MPEG-4 Videoübertragung mit USB 3.0 Hostgeräten. Ergebnisse können je nach Hostgerät, Dateiattributen und anderen Faktoren variieren. ² Passwortschutz verwendet 128-Bit AES-Verschlüsselung (Software-Download für Mac erforderlich, besuchen Sie www.sandisk.com/secureaccess). / **Español** * 1GB = 1.000.000.000 bytes. Almacenamiento real del usuario es menor. ** Velocidad de lectura de hasta 130MB/s. Velocidad de escritura hasta 10 veces más rápida que unidades USB 2.0 estándar (4MB/s). Requiere puerto USB 3.0. Basado en pruebas internas; el rendimiento puede ser inferior dependiendo del dispositivo anfitrión. 1MB = 1.000.000 bytes. ¹ Basado en una transferencia de video MPEG-4 de 1,2GB con un dispositivo anfitrión con USB 3.0. Los resultados pueden variar según el dispositivo anfitrión, los atributos de archivo y otros factores. ² La protección por contraseña utiliza el cifrado AES de 128 bits (se requiere descarga de software para Mac, visite www.sandisk.com/secureaccess). / **Русский** * 1ГБ = 1.000.000.000 байт. Реальный объем хранения меньше. ** Скорость чтения — до 130МБ/с. Скорость записи до 10 раз быстрее, чем обычные диски USB 2.0 (4МБ/с). Необходим порт USB 3.0. Указанные характеристики основаны на внутренних тестах; производительность может быть ниже заявленной, в зависимости от главного устройства. 1МБ = 1.000.000 байт. ¹ На основе передачи 1,2ГБ MPEG-4 видеоданных с главным устройством USB 3.0. Результат может зависеть от главного устройства, атрибутов файлов и других факторов. ² При защите паролем используется 128-битное шифрование AES (для Mac необходимо загрузить программное обеспечение, перейдите по адресу www.sandisk.com/secureaccess). / **Português** * 1GB = 1.000.000.000 bytes. O armazenamento real do utilizador é inferior. ** Velocidades de leitura até 130MB/s. Velocidade de escrita na unidade até 10 vezes mais rápida do que as unidades USB 2.0 padrão (4MB/s). Porta USB 3.0 necessária. Com base em testes internos; a performance pode ser mais baixa dependendo do dispositivo anfitrião. 1MB = 1.000.000 bytes. ¹ Com base na transferência de um ficheiro de vídeo de 1,2GB MPEG-4 com um dispositivo anfitrião USB 3.0. Os resultados podem variar com base no dispositivo anfitrião, atributos de ficheiro e outros factores. ² A protecção por palavra-passe utiliza uma encriptação de 128-bit AES (transferência de software necessária para Mac, visite www.sandisk.com/secureaccess).

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USB 3.0
DRIVE



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Image 7.1: The back of the product packaging, displaying system/software compatibility, warranty information, and regulatory marks.

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