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SanDisk SDSQXCD-512G-GN6MA

SanDisk Extreme PRO microSDXC UHS-I Memory Card User Manual

Brand: SanDisk | Model: SDSQXCD-512G-GN6MA

1. Introduction

The SanDisk Extreme PRO microSDXC UHS-I Memory Card is engineered for extreme performance, offering fast transmissions, high app performance, and 4K UHD recording capabilities. This powerful memory card is an ideal solution for Android smartphones, action cameras, and drones, supporting both 4K UHD and Full HD video recording, as well as high-resolution photos.

With read speeds up to 200MB/s and write speeds up to 140MB/s (for 256GB - 1TB capacities), this card utilizes SanDisk QuickFlow technology for rapid data transfer. It also features the A2 performance standard for improved app loading and performance.



Image: Front view of the SanDisk Extreme PRO microSDXC UHS-I Memory Card, showing 512GB capacity, U3, A2, and V30 ratings.

Key Features:

- Ideal for Android smartphones, tablets, drones, and action cameras.
- A2 performance standard for enhanced app performance and faster loading.

- Up to 200 MB/s read speed and 140 MB/s write speed with SanDisk QuickFlow technology.
- UHS Speed Class 3 (U3) and Video Speed Class 30 (V30) for lossless 4K UHD video recording.
- Includes an adapter for broader compatibility.

2. Setup

Inserting the microSD Card:

1. Locate the microSD card slot on your device (smartphone, tablet, action camera, or drone). Refer to your device's user manual for the exact location.
2. Orient the SanDisk Extreme PRO microSD card with the gold contacts facing down or as indicated by your device's slot.
3. Gently push the card into the slot until it clicks into place. Do not force the card.

Using the SD Adapter:

The included SD adapter allows you to use your microSD card with devices that have a standard SD card slot, such as laptops, DSLR cameras, or card readers.

1. Insert the SanDisk Extreme PRO microSD card into the designated slot on the side of the SD adapter until it clicks.
2. Insert the SD adapter with the microSD card into the SD card slot of your compatible device.



Image: SanDisk Extreme PRO microSDXC UHS-I Memory Card shown alongside its full-size SD adapter.

Formatting the Card (Optional but Recommended):

It is often recommended to format a new memory card before first use, or if you encounter issues, to ensure optimal compatibility and performance with your specific device. Formatting will erase all data on the card.

1. Insert the microSD card into your device or a computer using the adapter.
2. Access your device's settings or your computer's file explorer.
3. Locate the storage or memory card settings.
4. Select the option to **Format** or **Erase** the card. Confirm the action when prompted.
5. Allow the formatting process to complete. Do not remove the card during this process.

3. Operating Instructions

Data Storage and Transfer:

- Once inserted and recognized, the memory card will appear as an available storage option on your device.
- You can save photos, videos, documents, and other files directly to the card.
- To transfer files to or from the card, connect your device to a computer or use a card reader. Drag and drop files between the card's directory and your computer's storage.

4K UHD Video Recording:

The SanDisk Extreme PRO microSDXC card is optimized for 4K UHD video recording, provided your device supports this resolution and has the necessary processing power.

- Ensure your camera or drone settings are configured for 4K UHD resolution.
- The card's V30 (Video Speed Class 30) rating guarantees a minimum sustained write speed of 30MB/s, which is crucial for smooth 4K video capture without dropped frames.

App Performance (A2 Rating):

The A2 Application Performance Class ensures faster app launch and performance directly from the memory card. This is particularly beneficial for Android devices where apps can be installed on external storage.

- For Android devices, you may be able to move compatible apps to the microSD card via your device's Application Manager or Storage settings.
- The A2 rating provides improved random read and write speeds, leading to a smoother user experience when running apps from the card.

4. Maintenance and Care

- **Proper Handling:** Always handle the memory card by its edges. Avoid touching the gold contacts, as oils and dirt can affect performance.
- **Safe Removal:** Always safely eject the memory card from your device or computer before physically removing it to prevent data corruption.
- **Storage:** When not in use, store the microSD card in its protective case or the SD adapter to prevent damage from dust, static, or physical impact.
- **Temperature:** Avoid exposing the card to extreme temperatures (very hot or very cold) or direct sunlight for prolonged periods.
- **Cleaning:** If necessary, gently clean the gold contacts with a soft, lint-free cloth. Do not use abrasive materials or harsh chemicals.
- **Backup Data:** Regularly back up important data from your memory card to another storage device (e.g., computer hard drive, cloud storage) to prevent data loss.

5. Troubleshooting

Card Not Recognized:

- **Reinsert:** Remove the card and reinsert it firmly into the slot.
- **Check Compatibility:** Ensure your device supports microSDXC cards and the capacity (512GB).
- **Clean Contacts:** Gently clean the gold contacts on the card with a soft, dry cloth.
- **Try Another Device:** Test the card in another compatible device or a different card reader to determine if the

issue is with the card or the original device.

- **Format:** If the card is recognized but not accessible, try formatting it (note: this will erase all data).

Slow Performance:

- **Device Compatibility:** Ensure your device supports UHS-I speeds to fully utilize the card's performance. Older devices may not achieve maximum speeds.
- **Card Fullness:** Performance can degrade slightly when the card is nearly full. Try freeing up some space.
- **File Fragmentation:** Over time, files can become fragmented, affecting performance. Back up data and then format the card.
- **Background Processes:** Ensure no other intensive tasks are running on your device that might be competing for storage access.

Data Corruption or Errors:

- **Safe Ejection:** Always ensure the card is safely ejected before removal.
- **Scan for Errors:** On a computer, you can use disk utility tools to scan and repair errors on the card.
- **Reformat:** If errors persist, reformatting the card is often the solution.

6. Specifications

Feature	Detail
Model Name	Extreme PRO
Flash Memory Type	Micro SDXC
Memory Storage Capacity	512 GB
Read Speed	Up to 200 MB/s
Write Speed	Up to 140 MB/s
Speed Class	UHS Speed Class 3 (U3), Video Speed Class 30 (V30), Class 10
Application Performance Class	A2
Hardware Interface	microSDXC
Compatible Devices	Smartphones, Action Cameras, Drones, Tablets
Product Dimensions (LxW)	0.04" x 0.59"
Item Weight	0.176 ounces (5 Grams)
Operating System Compatibility	Android
UPC	619659188566
Item Model Number	SDSQXCD-512G-GN6MA

7. Warranty and Support

Warranty Information:

The SanDisk Extreme PRO microSDXC UHS-I Memory Card comes with a limited warranty. For specific terms and conditions, please refer to the warranty documentation included with your product or visit the official SanDisk website.

RescuePRO Deluxe Software:

This product includes an offer for RescuePRO Deluxe data recovery software. This software can help recover accidentally deleted images, videos, and other files. For details on how to download and activate RescuePRO Deluxe, please refer to the instructions provided with your product packaging or visit the SanDisk website.

Customer Support:

For further assistance, technical support, or to inquire about product registration, please visit the official SanDisk support website or contact their customer service. You can often find FAQs, drivers, and software updates on their website.

Visit the SanDisk Store on Amazon for more products and information.

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