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Samsung MB-ME512KA/AM

Samsung EVO Select 512GB MicroSDXC Memory Card User Manual

Model: MB-ME512KA/AM

1. Introduction

The Samsung EVO Select MicroSDXC Memory Card with Adapter provides expanded storage and high-speed performance for a wide range of compatible devices. Designed for durability and reliability, this memory card is ideal for storing large files, loading games, and downloading applications at fast speeds. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your memory card.



Image 1: Samsung EVO Select 512GB MicroSDXC card and adapter in retail packaging.

2. Setup

2.1. Inserting the MicroSD Card

The Samsung EVO Select MicroSDXC card is designed for direct insertion into devices with a microSD card slot. This includes most Android smartphones, tablets, Nintendo Switch consoles, action cameras, and drones.

1. Locate the microSD card slot on your device. Refer to your device's user manual for exact location and insertion method.
2. Gently insert the microSD card into the slot with the gold contacts facing down (or as indicated by your device). Push until it clicks into place.
3. If your device requires formatting, follow the on-screen prompts or refer to your device's settings for formatting instructions. Formatting prepares the card for use with your specific device.



Image 2: Close-up of the Samsung EVO Select 512GB MicroSDXC card.

2.2. Using the SD Adapter

For devices that use a standard SD card slot (e.g., some laptops, DSLR cameras, or external card readers), use the included SD adapter:

1. Insert the microSD card into the larger SD adapter until it clicks securely.
2. Insert the assembled SD adapter into the standard SD card slot of your device.
3. The device should recognize the card. If prompted, format the card according to your device's instructions.

EVO Select

with SD adapter

Transfer Speed 130 MB/s upto

Smartphone Camera Action Cam Drone

512GB



microSDXC™ UHS-I Card

U3 A2 V30 4K Ultra HD



SAMSUNG

Image 3: Samsung EVO Select 512GB MicroSDXC card inserted into an SD adapter.

2.3. Formatting the SD Card (Example: Gaming Console)

Some devices, like gaming consoles, require the SD card to be formatted specifically for their system. This process erases all data on the card, so ensure any important data is backed up before proceeding.

Your browser does not support the video tag.

Video 1: This video demonstrates the process of inserting and formatting a Samsung EVO Select Micro SD card for use with a gaming console. It shows navigating the system settings to initiate the formatting process, which prepares the card for game storage and ensures compatibility.

3. Operating the Memory Card

3.1. Data Transfer and Storage

The Samsung EVO Select 512GB MicroSDXC card offers transfer speeds of up to 130MB/s, making it suitable for:

- **High-Resolution Content:** Recording and playing Full HD and 4K UHD videos smoothly.
- **Fast App Loading:** Running applications directly from the card on smartphones and tablets with minimal delay.
- **Gaming:** Storing and loading games on compatible gaming consoles like the Nintendo Switch.
- **Photography:** Capturing high-resolution photos and continuous burst shots without interruption.

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Video 2: This video highlights the ease of expanding storage with the Samsung EVO Select Micro SD card, demonstrating its use for storing various media types and applications on a smartphone.

3.2. Speed Performance

The card's U3, Class 10, A2, and V30 ratings ensure consistent performance for demanding tasks. A2 rating specifically optimizes the card for faster app performance on compatible devices.

Your browser does not support the video tag.

Video 3: This video provides a detailed speed test and review of the Samsung 512GB EVO Select MicroSD card, showcasing its read and write performance for various data types.

4. Maintenance and Care

The Samsung EVO Select memory card is built with robust protection features to ensure data integrity and longevity:

- **Water-Proof:** Withstands up to 72 hours in seawater.
- **Temperature-Proof:** Operates in temperatures from -25°C to 85°C and non-operating temperatures from -40°C to 85°C.
- **X-Ray Proof:** Protected against X-ray machines up to 100mGy, equivalent to airport scanners.
- **Magnet-Proof:** Resists magnetic fields up to 15,000 gauss, similar to high-field MRI scanners.
- **Drop-Proof:** Designed to withstand drops up to 5 meters (16.4 feet).
- **Wearout-Proof:** Durable for up to 10,000 swipes.

To ensure optimal performance and lifespan, avoid exposing the card to extreme physical stress beyond its rated limits and keep the contacts clean and free from debris.



Image 4: Durability features of the Samsung EVO Select memory card.

5. Troubleshooting

5.1. Card Not Recognized

- **Re-insert the card:** Ensure the card is fully and correctly inserted into the device slot.
- **Check the adapter:** If using the SD adapter, ensure the microSD card is properly seated within it.
- **Clean contacts:** Gently wipe the gold contacts on the card with a soft, dry cloth.
- **Try another device:** Test the card in a different compatible device to determine if the issue is with the card or the original device.

- **Check for physical damage:** Inspect the card for any visible signs of damage.

5.2. Slow Performance

- **Free up space:** Ensure the card is not nearly full, as this can impact performance.
- **Check device compatibility:** Verify that your device supports the card's speed class (U3, V30) for optimal performance. Older devices may not fully utilize the card's speed capabilities.
- **Reformat the card:** If performance remains slow, back up your data and reformat the card using your device's utility.

5.3. Data Corruption

- **Safely Eject:** Always safely eject the memory card from your device before removing it to prevent data corruption.
- **Avoid power loss:** Do not remove the card or power off the device during data transfer or recording.

6. Specifications

Feature	Detail
Model Name	EVO Select
Model Number	MB-ME512KA/AM
Flash Memory Type	Micro SDXC
Memory Storage Capacity	512 GB
Read Speed	Up to 130 MB/s
Write Speed	Up to 130 MB/s
Speed Class	UHS-I, U3, Class 10, A2, V30
Operating Voltage	2.7~3.6V
Operating Temperature	-25°C to 85°C
Non-Operating Temperature	-40°C to 85°C
Durability Features	Water-proof, Temperature-proof, X-ray-proof, Magnet-proof, Drop-proof, Wearout-proof
Compatible Devices	Camera, Drone, Gaming Console (Nintendo Switch), Smartphone, Tablet
Item Dimensions (LxWxH)	0.59 x 0.43 x 0.03 inches
Item Weight	0.317 ounces

7. Warranty and Support

7.1. Limited Warranty

The Samsung EVO Select MicroSDXC Memory Card is backed by a **10-year limited warranty**. This warranty covers defects in

materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

7.2. Customer Support

For further assistance, technical support, or warranty inquiries, please visit the official Samsung support website or contact their customer service. Refer to the product packaging or Samsung's official website for the most current contact information.

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