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## Gigastone MSD-Full-HD-Video-8GB-2PK

# Gigastone 8GB Micro SD Card (2-Pack) Instruction Manual

Model: MSD-Full-HD-Video-8GB-2PK

## INTRODUCTION

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This manual provides comprehensive instructions for the proper use, installation, and maintenance of your Gigastone 8GB Micro SD Card 2-Pack. Designed for Full HD video recording and high-speed data transfer, these Micro SDHC Class 10 cards are suitable for a variety of compatible devices. Please read this manual thoroughly to ensure optimal performance and longevity of your product.

## PRODUCT OVERVIEW

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### Key Features

- **Capacity:** 8GB per card, ideal for Full HD video recording and high-resolution images.
- **Speed:** Read speeds up to 80 MB/s and write speeds up to 10 MB/s, supporting smooth Full HD video capture.
- **Class 10 / SDHC:** Ensures reliable performance for continuous recording and fast data transfer.
- **Durability:** Engineered to be waterproof, shockproof, temperature-proof, and X-Ray proof, protecting your data in various environments.
- **Compatibility:** Widely compatible with devices such as laptops, tablets, PCs, smartphones, cameras, e-readers, security cameras, dash cameras, and action cameras.

### What's in the Box

- 2 x Gigastone 8GB Micro SD Cards
- 2 x SD Adapters



Image: Two Gigastone 8GB Micro SD cards and two standard SD card adapters are included in the package.

## SETUP

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### Inserting the Micro SD Card

1. Locate the Micro SD card slot on your device (e.g., smartphone, camera, drone). Refer to your device's manual for exact location.
2. Orient the Micro SD card with the gold contacts facing down or as indicated by your device's slot design.
3. Gently push the card into the slot until it clicks into place. Do not force the card.



Image: A Gigastone Micro SD card is shown being inserted into an SD adapter, which can then be used in devices with a standard SD card slot.

## Using the SD Adapter

The included SD adapter allows you to use your Micro SD card in devices that only accept standard SD cards (e.g., some laptops, older cameras).

1. Slide the Micro SD card into the designated slot on the SD adapter until it locks.
2. Insert the SD adapter into the standard SD card slot of your device.
3. To remove, gently pull the SD adapter out of the slot, then press the Micro SD card to release it from the adapter.

## Formatting the Micro SD Card

It is recommended to format the Micro SD card before first use or if you encounter issues. Formatting erases all data on the card.

1. Insert the Micro SD card into your device or a computer using the SD adapter.
2. Access the storage settings or disk management utility on your device/computer.
3. Select the Gigastone Micro SD card and choose the 'Format' option.
4. Select the appropriate file system (e.g., FAT32 for general compatibility, exFAT for larger files/capacities if supported by your device).
5. Confirm the formatting process.

## OPERATING INSTRUCTIONS

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### Data Storage and Transfer

Once inserted and recognized by your device, the Micro SD card functions as external storage. You can save photos, videos, documents, and other files directly to it.

- **Recording:** For cameras, drones, and dash cams, ensure the Micro SD card is inserted before starting

recording. The device will automatically save media to the card.

- **Saving Files:** On smartphones, tablets, or PCs, you can typically select the Micro SD card as the save location for new files or move existing files to it.
- **Transferring to Computer:** Insert the Micro SD card (or adapter with card) into your computer's card reader. The card will appear as a removable drive, allowing you to drag and drop files.



**HIGH PERFORMANCE**  
For HD photos and videos

**Compatible with DSLR cameras  
and HD camcorders**

The image features a woman in a red beanie and blue shirt smiling while holding a camera on a tripod. A Gigastone Micro SD card is shown in an adapter, and another is being inserted into a camera's memory slot.

Image: The Gigastone Micro SD card is compatible with DSLR cameras for capturing high-definition photos and videos.

# WIDE COMPATIBILITY

Frequently paired with surveillance cams



Image: The Gigastone Micro SD card is frequently used with surveillance cameras for continuous recording.



Image: The Gigastone Micro SD card is suitable for dash cameras, drones, and action cameras, providing reliable storage for various applications.

## MAINTENANCE

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### Care and Handling

- Avoid bending or dropping the Micro SD card.
- Keep the gold contacts clean and free from dust or debris. Use a soft, dry cloth if cleaning is necessary.
- Store the card in its protective case when not in use to prevent damage.
- Always safely eject the card from your device before physical removal to prevent data corruption.

### Environmental Protection

Your Gigastone Micro SD card is designed with enhanced durability features:

- **Waterproof:** Protects against accidental water exposure.
- **Shockproof:** Resists damage from drops and impacts.
- **Temperature-proof:** Operates reliably in extreme temperatures.
- **X-Ray proof:** Safe for airport X-ray scanners.

While durable, it is always best practice to minimize exposure to harsh conditions to prolong the card's lifespan.

## TROUBLESHOOTING

### Common Issues and Solutions

Issue	Possible Cause	Solution
Card not recognized by device	Improper insertion, incompatible device, dirty contacts, card error.	Reinsert the card correctly. Try the card in another compatible device. Clean contacts with a soft cloth. If issues persist, try formatting (data will be lost).
Slow read/write speeds	Device limitations, fragmented data, card nearing end of life, insufficient buffer memory.	Ensure your device supports Class 10 speeds. Transfer files to a computer and reformat the card. Consider the buffer memory explanation below.
Data corruption or loss	Improper removal, power loss during write, physical damage, card error.	Always safely eject the card. Avoid removing the card during data transfer. If data is lost, recovery software may be an option, but success is not guaranteed.
Card shows less capacity than advertised	Operating system calculation differences, reserved space for firmware/buffer memory.	This is normal. A portion of the card's capacity is used for system files and buffer memory. For an 8GB card, usable capacity is typically around 7.4GB.

### Understanding Buffer Memory

All Micro SD cards reserve a portion of their total capacity for firmware, application data, and buffer memory. This buffer memory is crucial for the card's performance and longevity. A larger buffer memory generally contributes to a longer lifespan and more stable performance, especially during continuous write operations like video recording. Therefore, the actual usable storage capacity will be slightly less than the advertised capacity.

### How critical is buffer memory?

The bigger the buffer memory, the longer the lifetime.

**\*All micro SD cards need to reserve some buffer memory for firmware, application, and software, and the bigger the buffer memory, the longer the lifetime.**

Therefore, there are some differences between marked capacity and actual capacity.

**Examples :**

- The usable capacity of 512GB micro SD card would be around 465GB to 476GB approximately.
- The usable capacity of 128GB micro SD card would be around 116GB to 119GB approximately.

Tier	Buffer Memory (%)	Storage Memory (%)
2nd Tier-No Brand (Short Lifetime)	3%-5%	95%-97%
1st Tier-Major Brand (Long Lifetime)	5%-10%	90%-95%
Industrial Grade (The Longest Lifetime)	10%-15%	85%-90%

**GIGASTONE always try our best to provide the best quality memory cards for you!**

Image: This chart explains how buffer memory impacts the usable capacity and lifespan of Micro SD cards, with examples for 128GB and 512GB cards.

## SPECIFICATIONS

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Feature	Detail
Brand	Gigastone
Model Name	MSD-Full-HD-Video-8GB-2PK
Flash Memory Type	Micro SDHC
Memory Storage Capacity	8 GB
Compatible Devices	Camera, Dash Cam, Security Camera, Laptop, Tablet, PC, Smartphones, e-Reader, Action Camera
Read Speed	Up to 80 MB/s
Media Speed (Write Speed)	10 MB/s
Secure Digital Association Speed Class	Class 10
Additional Features	Waterproof, Shockproof, Temperature-proof, X-Ray proof
UPC	804272755060

## WARRANTY AND SUPPORT

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### Warranty Information

Gigastone provides a **5-year limited warranty** for this Micro SD card. This warranty covers manufacturing defects and ensures replacement for eligible issues. Please retain your proof of purchase for warranty claims.



## **FASTER, BETTER, EASIER** Ways to Meet Your Needs

Image: The Gigastone 5-year global manufacturer warranty ensures product reliability and customer support.

### **Customer Support**

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