

## 4smarts 4S541094

# 4smarts Magnetic M.2 2230 NVMe SSD Enclosure with Kickstand

Model: 4S541094 | Brand: 4smarts

## 1. PRODUCT OVERVIEW

The 4smarts Magnetic M.2 2230 NVMe SSD Enclosure is a versatile storage solution designed for expanding capacity and enhancing data management across various devices. It features a MagSafe-compatible magnetic attachment, an integrated kickstand, and high-speed data transfer with PD charging capabilities.

## 2. WHAT'S IN THE BOX

- 1x Magnetic SSD enclosure
- 1x Magnetic ring (for non-MagSafe devices)
- 2x Screwdrivers
- 1x Ribbon cable USB-C 13cm
- 1x Cable ring holder
- 2x Thermal Pads
- 1x Pouch
- 1x Manual

### What's in the Box

**Note: SSD not included**



This image displays the complete packing list, including the magnetic SSD enclosure, magnetic ring, screwdrivers, USB-C ribbon cable, cable ring holder, thermal pads, pouch, and the user manual.

## 3. SETUP

### 3.1 SSD Installation

1. Using the provided screwdriver, carefully unscrew the enclosure cover.
2. Insert your M.2 2230 NVMe SSD (B+M Key/M-Key, sold separately) into the designated slot. Ensure it is properly seated.
3. Apply the thermal pad onto the SSD to aid in heat dissipation.
4. Replace the enclosure cover and tighten the screws to secure it.

### Massive Storage Expansion

Up to 2TB additional storage for smartphones, tablets, and laptops



"Recommend formatting the SSD to exFAT for first-time use"



Unscrew and open the enclosure  
1



Insert M.2 2230 SSD  
2



Apply thermal pad and secure  
3



Close and tighten screws  
4

Image: Step-by-step guide for installing an M.2 2230 NVMe SSD into the enclosure.

This diagram illustrates the four steps for installing an M.2 2230 SSD: unscrewing the enclosure, inserting the SSD, applying the thermal pad, and closing/tightening the screws.

### 3.2 Initial Formatting

Before first use, it is recommended to format the M.2 2230 SSD to exFAT for optimal compatibility across various devices (smartphones, tablets, laptops). Refer to your device's operating system instructions for detailed formatting procedures.

## 4. OPERATING INSTRUCTIONS

### 4.1 Connecting to Devices

The enclosure features a strong magnetic attachment, compatible with MagSafe devices. For non-MagSafe devices, use the included magnetic ring for secure attachment.

# Easy To Attach With A Click

Built-in magnetic structure,stable adsorption is not easy to fall off.



A magnetic ring on the back enhances compatibility with MagSafe accessories, providing expanded functionality and secure attachment.

Image: The SSD enclosure magnetically attaching to the back of an iPhone.

This image shows the magnetic SSD enclosure easily attaching to the back of an iPhone, highlighting its MagSafe compatibility.

Connect the enclosure to your smartphone, tablet, or laptop using the provided USB-C ribbon cable. The device will be recognized as external storage.

## 4.2 Data Transfer

Utilize the USB-C 3.2 Gen 2 port for data transfer speeds up to 10 Gbit/s. This allows for quick and efficient movement of large files between the SSD and your connected device.

# Data Transfer PD Power Supply

Max Support USB

**10Gbps & PD 100W**



Image: The SSD enclosure connected to a MacBook, demonstrating data transfer and PD charging.

This image illustrates the enclosure connected to a MacBook, showcasing its capability for 10Gbps data transfer and 100W PD charging simultaneously.

## 4.3 ProRes Recording (for compatible iPhones)

For iPhone 15 Pro/Pro Max and similar models, the enclosure enables direct 4K video recording to the external SSD. This is particularly useful for ProRes video, conserving internal device storage.

# Professional Quality, Recorded Anywhere



## ProRes Video Record and Store



Image: An iPhone recording 4K ProRes video directly to the attached SSD enclosure.

This image shows an iPhone actively recording 4K ProRes video, with the SSD enclosure attached, indicating direct external storage for high-quality video files.

### 4.4 PD Charging

The enclosure features a 100W Power Delivery (PD) USB-C port, allowing simultaneous charging of your device while data transfer is active. This ensures your device remains powered during intensive tasks.

### 4.5 Integrated Kickstand

The integrated kickstand provides adjustable viewing angles, ideal for media consumption, video calls, or presentations. It enhances the usability of your device by offering stable hands-free operation.

# Integrated Kickstand, Easy to Go

Whether you're scrolling through your latest recordings, watching a film or making a video call, our stand offers you the perfect viewing angle



Image: The SSD enclosure's integrated kickstand in use, supporting an iPhone for video calls, media viewing, and gaming.

This image demonstrates the versatility of the integrated kickstand, showing an iPhone propped up for video calls, media viewing, and gaming, providing comfortable viewing angles.

## 5. MAINTENANCE

### 5.1 General Care

Keep the enclosure clean and free from dust. Avoid exposing it to extreme temperatures or moisture. The aluminum construction provides durability and aids in heat dissipation.

### 5.2 Thermal Management

The aluminum design and included thermal pads are engineered to provide efficient heat dissipation for the M.2 SSD. Ensure proper airflow around the enclosure during extended use, especially when handling large files or during ProRes recording.

## 6. TROUBLESHOOTING

### 6.1 SSD Not Detected

- Ensure the M.2 2230 SSD is correctly installed and secured within the enclosure.
- Verify the USB-C cable is securely connected to both the enclosure and your device.

- Confirm the SSD is formatted to a compatible file system (e.g., exFAT).
- Test with a different USB-C port or cable if available.

## 6.2 Power Consumption Issues

For iPhones (e.g., iPhone 16/15 Pro Max) or when using 1TB/2TB SSDs, it is recommended to connect the SSD enclosure to a PD charger. SSDs exceeding 4.5W may require additional power for reliable operation and stable performance.

## 6.3 Magnetic Attachment Weakness

If the magnetic attachment feels weak, ensure there are no obstructions between the enclosure and your device. For non-MagSafe devices, ensure the magnetic ring is properly applied to the device's backcover.

## 7. SPECIFICATIONS

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- **Material:** Aluminum
- **Item Weight:** 0.09 Kilograms (3.17 ounces)
- **Memory Storage Capacity:** Up to 2 TB (M.2 2230 NVMe SSD, B+M Key/M-Key)
- **Compatible Devices:** MacBook, Steam Deck, ROG Ally, Desktop, Tablets, Laptops, Smartphone, iMac, iPad, iPhone 16/15 Pro/Pro Max
- **Data Transfer Rate:** 10 Gigabits Per Second (USB 3.2 Gen 2)
- **Connectivity Technology:** USB
- **Power Delivery:** 100W max (USB-C PD port)
- **Product Dimensions:** 1.9 x 0.67 x 2 inches
- **Item Model Number:** 4S541094

## 8. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation included with your product or visit the official 4smarts website. Keep your proof of purchase for warranty claims.

## 9. PRODUCT VIDEO

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Your browser does not support the video tag.

Video: 4smarts Magnetic M.2 2230 NVMe SSD Enclosure with Kickstand - Product Overview

This video provides a visual overview of the 4smarts Magnetic M.2 2230 NVMe SSD Enclosure, demonstrating its features such as magnetic attachment, kickstand, and connectivity options.