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 > DOCKCASE Magnetic Visual M.2 2242 NVMe SSD Enclosure, 10Gbps USB 3.2 Type-C, 3s PLP Data Protection, Fits 2242/2230 NVMe PCIe, Compatible with MagSafe for iPhone 16/15 Pro Max ProRes Black-15W Aux

DockCase Black-15W Aux

DOCKCASE Magnetic Visual M.2 2242 NVMe SSD Enclosure
User Manual

Model: Black-15W Aux

PRODUCT OVERVIEW

The DOCKCASE Magnetic Visual M.2 2242 NVMe SSD Enclosure is a high-performance external storage solution designed for seamless integration with modern devices, particularly MagSafe-compatible smartphones like the iPhone 15 Pro/Pro Max. It features a visual display for real-time monitoring of SSD health and performance, robust data protection mechanisms including 3-second Power Loss Protection (PLP), and offers blazing-fast 10Gbps data transfer speeds. Its magnetic design allows for convenient attachment, making it ideal for on-the-go data management and 4K ProRes video recording.



Image: The DOCKCASE Smart MagSafe M.2 NVMe SSD Enclosure, highlighting its sleek design and magnetic attachment capability.

KEY FEATURES

- **Magnetic Design with MagSafe Compatibility:** Features a built-in magnetic structure for secure attachment to MagSafe-compatible phone cases. An included magnetic ring extends compatibility to non-MagSafe devices, ensuring stable and reliable storage on the go.
- **Direct 4K ProRes Video Storage:** Enables seamless external storage for high-resolution 4K ProRes 4K@120/60Hz videos, freeing up phone space instantly for professional-quality content creation.

- **3-Second Power Loss Protection (PLP):** Equipped with an advanced supercapacitor and RTL9210 controller, providing an additional 3 seconds of power after an unexpected shutdown to safely write critical data and prevent corruption.
- **Blazing-Fast 10Gbps Transfer Speeds:** Leverages USB 3.2 Gen2 technology for rapid data transfers of up to 1000MB/s, supporting M.2 NVMe 2230 SSDs with up to 2TB storage expansion.
- **Smart Screen Monitoring:** Integrated HD display provides real-time insights into SSD lifespan, usage cycles, remaining capacity, and overall health status, aiding in proactive data loss prevention and drive longevity.
- **15W Auxiliary Power Supply Port:** Features a dedicated port to resolve host device power shortages, ensuring stable data transfer for high-power SSDs by allowing an auxiliary power supply.

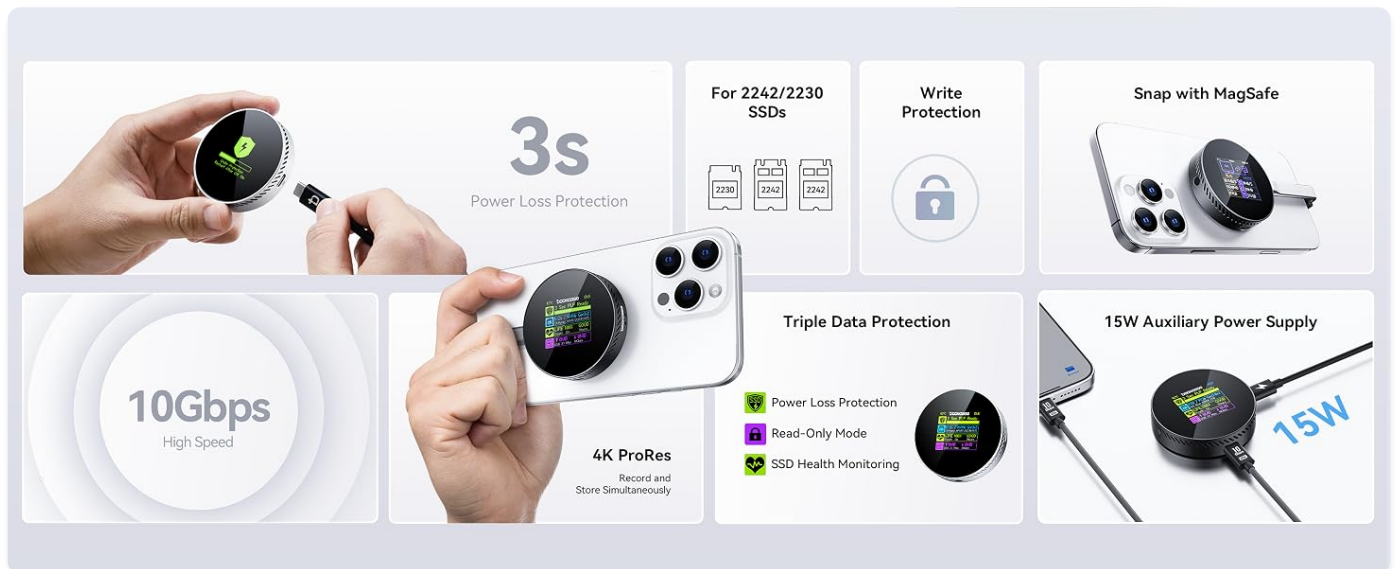


Image: Visual summary of the enclosure's key features including 3-second PLP, 10Gbps speed, 4K ProRes support, and auxiliary power.

What's in the Box

- SSD enclosure *1
- USB-C Data Cable *1 (10Gbps Braided USB-C Cable)
- Wrist Strap *1
- Screwdriver *1
- Magnetic Ring *1
- Extension Board *1
- Manual *1
- Screws *2

What's in the box



- | | |
|---------------------------------|---------------------|
| 1 Magnetic Hard Drive Enclosure | |
| 2 10Gbps Braided USB-C Cable*1 | |
| 3 Wrist Strap*1 | 4 Screwdriver*1 |
| 5 Magnetic Ring*1 | 6 Extension Board*1 |
| 7 Manual | 8 Screws*2 |

Image: All items included in the product package, laid out clearly.

SETUP

SSD Installation

Follow these steps to install your M.2 NVMe SSD into the enclosure:

1. **Loosen the screw of the back cover:** Use the provided screwdriver to carefully loosen the screw on the back cover of the enclosure.

2. **Remove the SSD mounting screw:** Locate and remove the small screw inside the enclosure that secures the SSD.
3. **Peel off the insulating plastic film:** Remove any protective plastic film from the internal components if present.
4. **Fully insert the SSD into the PCB board at a 20° angle:** Align your M.2 NVMe SSD with the slot and gently push it in at approximately a 20-degree angle until it is fully seated.
5. **Tighten the screw of SSD:** Secure the SSD in place using the small mounting screw you removed earlier.
6. **Tighten the screw of back cover:** Replace the back cover and tighten its screw to close the enclosure.

Note: 2230 SSDs must be installed with the included extension board before securing.



Image: Illustrated steps for installing an M.2 NVMe SSD into the DOCKCASE enclosure.

Initial Connection

Connect the DOCKCASE SSD Enclosure to your device (smartphone, laptop, etc.) using the provided USB-C data cable. The smart display will activate upon connection.

If you are using a brand-new SSD, it needs to be initialized and partitioned before it can be recognized and used by your operating system. Refer to your device's operating system documentation for instructions on disk management.

OPERATING INSTRUCTIONS

Smart Display Functions

The integrated HD display provides real-time information and allows for interaction:

- **Main Page:** Displays SSD temperature, PLP status, SSD model, health, power-on time, and current read/write speeds.
- **Double Click:** Rotate the display 90° clockwise for optimal viewing in different orientations.
- **Long Press:** Switch to other function pages, such as the transfer rate page or "About Me" page.
- **Short Press (Function Pages):** Return to the main page or switch options within the "About Me" page.
- **Long Press (Function Pages):** For 3 seconds to apply/modify the options on the right of the cursor.

All in Sight, All in Hand

One-click function switching, real-time information display, everything you need anytime, anywhere



1. Main Page



- Double Click
rotate the display 90° clockwise
- Long Press
switch to other page

2. Function Pages



- Short Press
return to the main page, or switch the options in the "About Me" page
- Long Press
for 3 seconds to apply/modify the options on the right of the cursor

Image: Instructions on how to interact with the smart display for various functions and information.

Data Transfer

The enclosure supports USB 3.2 Gen 2, providing data transfer speeds up to 10Gbps (1000MB/s). Connect the enclosure to your computer or compatible device using the provided USB-C cable. You can monitor the real-time transfer rate on the smart display.

Powered by USB 3.2 Gen 2 for Fast Performance

10Gbps



Transfer Page :

The transfer rate can be read in real time

Image: The DOCKCASE enclosure connected to a laptop, demonstrating 10Gbps data transfer speeds and the real-time display of transfer rates.

High-Speed Transmission

Powered by USB 3.2 Gen 2, delivers blazing-fast data transfer speeds of up to 10Gbps (1050MB/s)

 1 PC game 70GB--76s	 10 HD Movies 20GB--22s
 100s SLR Video 42GB--45s	 1000 JPG Photos 5GB--5.5s



Image: Examples of data transfer capabilities, such as transferring a PC game, HD movies, SLR videos, and JPG photos quickly.

MagSafe Attachment and Usage Scenarios

The enclosure can be magnetically attached to MagSafe-compatible devices. For non-MagSafe devices, use the included magnetic ring for secure attachment. This allows for versatile use with laptops, smartphones, and handheld gaming devices.

Strong Magnetic Attachment

Snap-on Anywhere for Capture and Store



The 90-degree flat cable is not included and is sold separately

Image: A hand demonstrating the strong magnetic attachment of the enclosure to an iPhone.

Snap-On Storage: Steady, Sleek, and Effortless

Attach to laptops, consoles, or phones for effortless work, gaming, and easy file carrying.



Laptops



Smartphones



Tablets



Handhelds



*Includes Magnetic Ring for Easy Attachment in the Package

Image: Various usage scenarios showing the enclosure attached to laptops, smartphones, tablets, and handheld devices.

Power Loss Protection (PLP)

The 3-second PLP feature safeguards your data. In case of an unexpected power disconnection, the built-in supercapacitor provides enough power for 3 seconds to ensure all data is safely written to the SSD, preventing corruption.

3-Second Power Loss Protection

Safeguard Your Data from Unexpected Outages



Image: A visual representation of the 3-second Power Loss Protection feature, showing the enclosure connected to a laptop with a "Under Protection" indicator.



Image: Detailed explanation of the 3-second Power Loss Protection, emphasizing data integrity during unexpected power interruptions.

Read-Only Mode

The enclosure supports a Read-Only Mode, which prevents accidental deletion or modification of your critical files. This feature can be activated via the smart display interface.

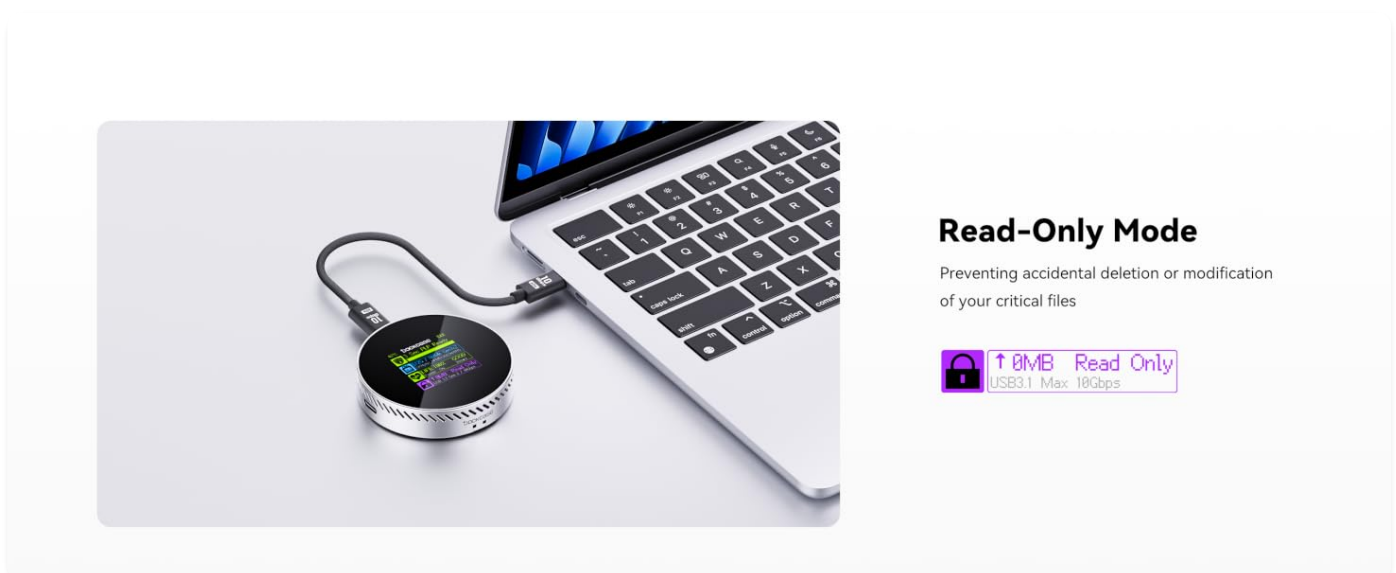


Image: The Read-Only Mode feature, showing the enclosure connected to a laptop with a lock icon indicating the mode is active.

Auxiliary Power Usage (15W Aux)

For high-power SSDs or scenarios where the host device cannot provide sufficient power, connect an auxiliary power source to the 15W Auxiliary Power Supply Port. This ensures stable operation and prevents power-related issues.

15W Auxiliary Power Supply Port

Resolve Host Device Power Shortage

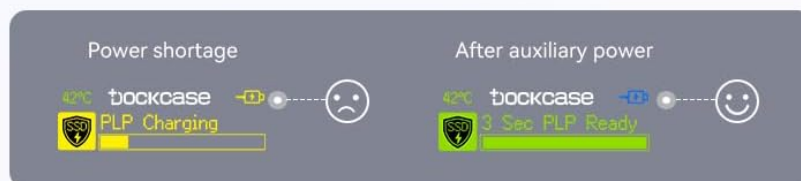


Image: The 15W Auxiliary Power Supply Port being used to provide additional power to the enclosure, connected to a smartphone.

15W Auxiliary Power Supply Port

For users who often transfer files in a short time
and other low-intensity usage Scenarios

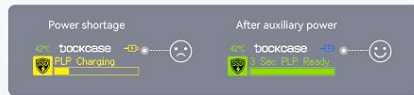


Image: Detailed explanation of the 15W Auxiliary Power Supply Port, showing its use for users who frequently transfer large files or have low-intensity usage scenarios.

MAINTENANCE

To ensure the longevity and optimal performance of your DOCKCASE SSD Enclosure, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the exterior of the enclosure. Avoid using harsh chemicals, solvents, or abrasive materials.
- **Storage:** Store the enclosure in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the enclosure with care to prevent drops or impacts, which could damage internal components.
- **Ventilation:** The enclosure features ventilation holes for heat dissipation. Ensure these are not blocked during use. Avoid contact with moisture or water to prevent short circuits.

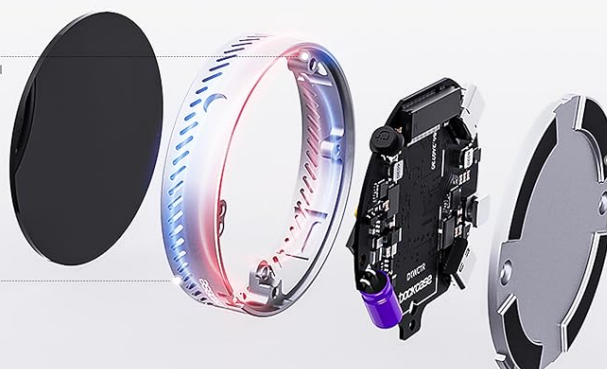
Cooling Power, Stay Cool, Keep Performing

Aluminum Alloy Construction

The aluminum alloy body delivers excellent thermal conductivity for optimal cooling performance.

Circular Vent Design

Strategically placed circular vents enhance airflow, ensuring efficient heat dissipation.



Raised Silicone Pads

The raised silicone pads on the backplate create a gap for improved heat dissipation.

Image: Exploded view of the enclosure highlighting its aluminum alloy construction, circular vent design, and raised silicone pads for optimal heat dissipation.

TROUBLESHOOTING

If you encounter issues with your DOCKCASE SSD Enclosure, consider the following:

- **SSD Temperature:** When idle, an SSD temperature below 60°C is normal. During file transfer, staying under 80°C is within the normal range. The SSD enclosure screen displays the SSD chip temperature, while the enclosure's outer shell is usually 20-30°C lower than the chip.
- **SSD Not Recognized:** If your SSD is not recognized after installing it into the SSD enclosure, please check whether it is a brand-new SSD. If it is new, it needs to be initialized and partitioned before installation and use. Also, refer to the compatibility list on the product page to check if your SSD is supported. If your SSD is not listed, we recommend verifying with DockCase support.
- **Enclosure Restarts/Blinks Unstably:** If the SSD enclosure keeps restarting or blinking unstably after connecting to a mobile phone, it is usually due to insufficient power supply. We recommend connecting an auxiliary power source to the 15W Auxiliary Power Port or the 100W PD Port (if applicable to your model) before testing again.
- **Abnormal Phone Input Power:** If the phone's input power becomes abnormal after connecting an external power source to the 100W PD port, please check whether your charger's output power supports the PD protocol. If it does not, try using a different charger and test again.

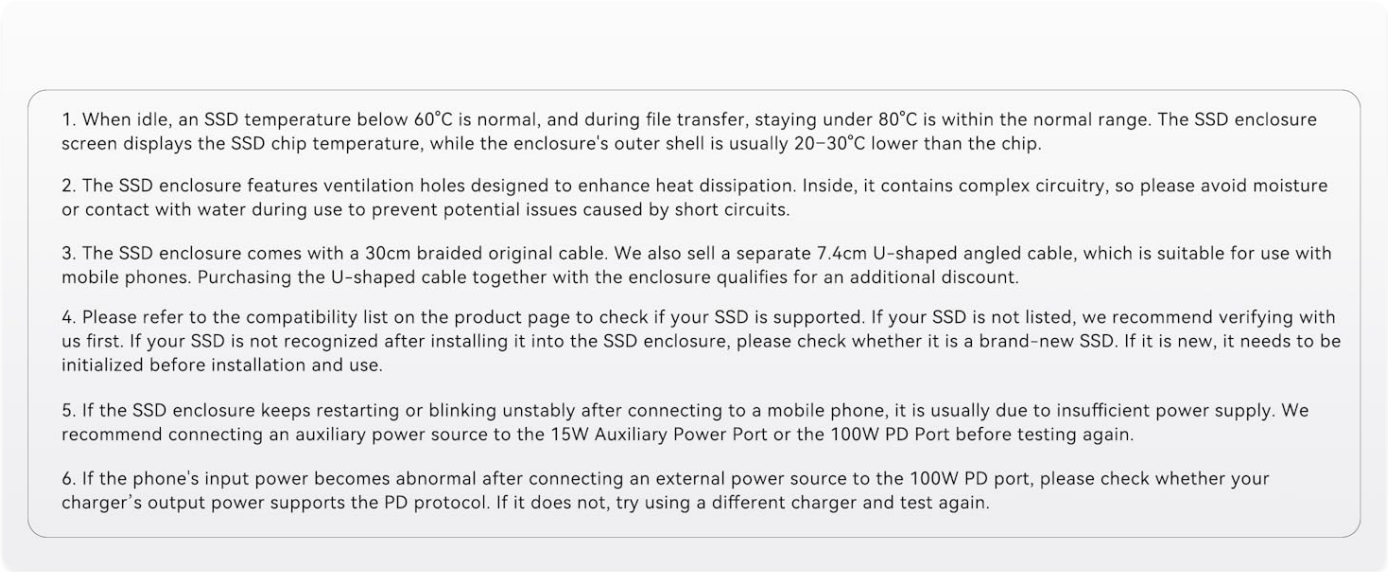


Image: A summary of important notes and troubleshooting advice for common issues with the SSD enclosure.

SPECIFICATIONS

Attribute	Value
Model Number	Black-15W Aux
Item Weight	53.8 Grams (1.9 ounces)
Product Dimensions	2.33 x 0.57 x 2.33 inches (2.33"L x 0.57"W x 2.33"H)
Memory Storage Capacity	Up to 2 TB (SSD not included)
Compatible Devices	Smartphone, Laptop, Tablet, Handheld Gaming Devices
Hard Disk Form Factor	M.2 NVMe 2242/2230
Data Transfer Rate	10 Gigabits Per Second (10Gbps)
Hardware Interface	USB 3.2 Gen 2 Type-C
Hardware Platform	Universal

Material	Plastic, Acrylonitrile Butadiene Styrene (ABS)
Country of Origin	China

COMPATIBILITY

Supported SSD Types

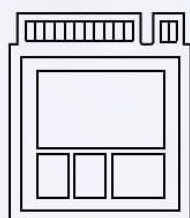
The DOCKCASE SSD Enclosure is compatible with M.2 NVMe SSDs of form factors 2242 and 2230. It supports both M Key M.2 (NVMe/PCIe) and B&M Key M.2 (NVMe/PCIe) SSDs. It is not compatible with B Key M.2 (NVMe/PCIe) SSDs.

Compatible With M.2 NVMe SSD

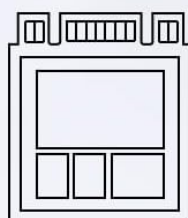
Maximum support 2TB capacity



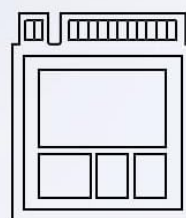
M Key M2
(NVMe/PCIe)



B&M Key
M2(NVMe/PCIe)



B Key
M2(NVMe/PCIe]



The product is a hard drive enclosure and does not include an SSD. If you are using a brand-new SSD, it needs to be initialized and partitioned to prevent it from being unrecognized

Image: Diagram illustrating compatible M.2 NVMe SSD key types (M Key, B&M Key) and incompatible types (B Key).

Recommended SSD Models

While the enclosure supports a wide range of M.2 NVMe SSDs, some models are specifically tested or recommended for optimal performance, especially when used with mobile devices that have power limitations. For the best experience, particularly with iPhones, consider SSDs with lower power consumption.

Compatible SSD Models (Examples):

- Samsung PM991a/PM991
- WD PC SN740/PC SN530
- Crucial P310
- KIOXIA BG3/BG4
- Corsair MP600 Core Mini
- SK hynix BC711
- Solidigm P41 Plus
- HikVision DK4000/FUTURES
- PNY CS2142
- Teamgroup MP44S
- VisionTek DLX4
- Sabrent Rocket Q4 2230
- Inland QN446
- Pichau Celestia

SSD Models that may require auxiliary power or specific conditions:

- WD SN770M
- Kingston OM3
- Corsair MP600 Mini
- Sabrent Rocket 2230 NVMe 4.0
- Addlink S91
- Inland TN446

If you are not sure of the exact specification of your SSD, please contact DockCase support for assistance.

Compatible SSD Models

Samsung PM991a/PM991, WD PC SN740/PC SN530,
Crucial P310, KIOXIA BG3/BG4, Corsair MP600 Core Mini,
SK hynix BC711, Solidigm P41 Plus, HikVision DK4000/FUTURES, PNY CS2142,
Teamgroup MP44S, VisionTek DLX4, Sabrent Rocket Q4 2230,
Inland QN446, Pichau Celestia

Image: A list of SSD models confirmed to be compatible with the DOCKCASE enclosure.

WD SN770M, Kingston OM3,
Corsair MP600 Mini, Sabrent Rocket 2230 NVMe 4.0,
Addlink S91, Inland TN446

If you are not sure of the exact specification of your SSD, please find us

Image: A list of SSD models that might require an auxiliary power source for stable operation with the enclosure.

WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your DOCKCASE Magnetic Visual M.2 2242 NVMe SSD Enclosure, please contact DockCase customer service. You may also refer to the official DockCase website for the most up-to-date support resources and FAQs.

Data recovery plans are available for purchase separately to provide additional protection for your data. Please refer to the product page or contact DockCase for details on these plans.

Contact Information:

Brand Store: [DockCase Amazon Store](#)

Email Support: amazon@dockcase.com (as mentioned in a top review)

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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