



Powerology

VAULT 512GB Magnetic Portable SSD

SKU: PWUH100MAXGY

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Product Overview

The VAULT 512GB Magnetic Portable SSD is a compact external storage device with magnetic attachment, high-speed USB-C connectivity and a touch display for monitoring drive information and managing password protection.



Package Contents

1. VAULT 512GB Magnetic Portable SSD × 1
2. USB-C to USB-C data cable × 1
3. USB-C to USB-A adapter × 1
4. Magnetic ring × 1

Safety Instructions

Warning:

1. Do not immerse the device or handle it with wet hands.
2. Keep the device away from fire and other heat sources.
3. Do not disassemble, modify, crush, or puncture the device.
4. Do not drop, throw, or subject the device to strong impacts.
5. Do not touch broken display glass; damaged glass may cause injury.
6. Stop using and disconnect the device if it becomes unusually hot, emits smoke, or produces an unusual odor.

7. Connect only to a compatible USB source matching the rated input.
8. Keep small adapters and accessories out of reach of children.
9. Do not use the drive, cable, or adapter if any cable is frayed, pinched, bent, loose, or damaged, or if any connector or housing is damaged.
10. Avoid sharp bends, pinching, and excessive strain on the cable and connectors.
11. Use only the supplied cable and adapter, or replacements rated for at least 5 V DC, 0.5 A (5 W).
12. Connect the drive only to a USB power source rated 5 V DC, 0.5 A (5 W) or higher.
13. Rated input: 5 V DC, 0.5 A; 5 W.
14. Use a compatible USB cable and a compatible USB power source or adapter rated 5 V DC with sufficient current capability.
15. Keep the drive and magnetic ring away from magnetically sensitive cards and storage media. Persons with implanted medical devices should consult their device manufacturer before using magnetic accessories.

Attention:

1. Follow the setup and operating instructions.
2. Keep the device uncovered and adequately ventilated during use.
3. Do not disconnect the device or cable while data is being transferred.
4. Safely eject the device from the operating system before disconnecting it.
5. Back up important data regularly; storage devices may fail or data may be lost.
6. Keep the USB-C connector clean and dry.
7. Store the device in a dry place away from corrosive substances.
8. To achieve up to 20Gbps, use a host USB-C port and cable that support USB 3.2 Gen 2x2 (20Gbps); USB-A adapters may limit performance.
9. Keep this manual for future reference.



Setup and Operation

1. Connect the Drive

Connect a compatible USB-C data cable to the VAULT 512GB Magnetic Portable SSD.

Connect the other end to a compatible USB-C device.

For a device with a USB-A port, fit the supplied USB-C to USB-A adapter before connecting the cable.

Wait for the device to detect and mount the drive before opening or transferring files.

2. Use the Magnetic Attachment

Clean the intended mounting area so it is dry and free from dust.

If the device does not provide a compatible magnetic mounting surface, attach the supplied magnetic ring to a suitable flat area.

Align the VAULT 512GB Magnetic Portable SSD with the magnetic mounting area and allow it to attach securely.

Connect the data cable without placing excessive strain on the connector.

Hold the drive when disconnecting it rather than pulling it away by the cable.

3. Transfer Files

Connect the VAULT 512GB Magnetic Portable SSD to a compatible device.

Open the device's file-management application and select the external drive.

Copy or move the required files to or from the drive.

Allow all transfers to finish before ejecting the drive.

Use the operating system's safe-eject function, then disconnect the cable.

4. Open the Settings Menu

On first use, no password is set and the display is unlocked. If password protection is enabled, enter the current password on the display to unlock the drive.

Remain on the model information screen for 3 seconds to open the settings icon screen automatically.

Alternatively, touch the settings icon to enter settings directly.

Use the on-screen controls to access language and password settings.

Use the left or right on-screen controls to return to the previous screen or main menu.

5. Set a Password

Open the settings menu and enter the language and password settings screen.

Select the option to set a password.

Follow the on-screen prompts to create and confirm the password.

Record the password securely before leaving the settings screen.

A forgotten password cannot be recovered; resetting or reformatting the drive to restore access permanently erases all data.

6. Change a Password

Open the language and password settings screen.

Select the option to disable the password.

Enter the current password when prompted and confirm the selection to turn password protection off.

Select the option to set a password.

Follow the on-screen prompts to create and confirm the new password, then retain it securely.

7. Disable Password Protection

Open the language and password settings screen.

Select the option to disable the password.

Enter the current password when prompted.

Confirm the selection to turn password protection off.

The disable-password function is unavailable until a password has been set; the set-password function is unavailable while a password is active.

Specifications

Input Voltage	5V
Storage Capacity	512GB
Storage Technology	NVMe
Connection Interface	USB-C Gen 3.2
Interface Bandwidth	Up to 20Gbps
Maximum Read Speed	2000MB/s
Maximum Write Speed	1800MB/s
Display Type	Smart TFT Display
Display Size	1.8"
Supported OS	Windows 7-11, MacOS 10.15+, Android 9+, iOS 14+
iOS Function	External 4K ProRes Recording Storage
Included Cable Length	13cm
Product Size	Ø60 * 8.5mm
Product Weight	55g
Product Material	Aluminum Alloy + Tempered Glass
Model Number	PWUH100MAX

Features

1. 512GB portable NVMe storage
2. Magnetic attachment for convenient use with compatible devices
3. USB-C connection with interface bandwidth of up to 20Gbps
4. Maximum read speed of 2000MB/s
5. Maximum write speed of 1800MB/s
6. 1.8-inch TFT touch display
7. Secure password protection
8. Wide device and operating-system compatibility
9. Compact aluminum-alloy and tempered-glass construction

Care and Maintenance

1. Routine Care

Disconnect the VAULT 512GB Magnetic Portable SSD before cleaning it.

Wipe the enclosure and display gently with a soft, dry cloth.

Keep the USB-C connector free from dust and debris.

Do not use abrasive cleaners, solvents or excessive moisture.

Avoid dropping, crushing or bending the drive or its cable.

Store the drive in a clean, dry place when it is not in use.

Always eject the drive through the connected device before unplugging it.

Keep a separate backup of important files.

Frequently Asked Questions

1. Which devices can use the VAULT 512GB Magnetic Portable SSD?

It supports compatible computers and OTG-enabled mobile devices using the listed operating systems and an appropriate USB-C or USB-A connection.

2. How do I connect the drive to a USB-A port?

Fit the supplied USB-C to USB-A adapter, then connect the drive using a compatible USB-C data cable.

3. Why is the displayed transfer speed lower than the maximum speed?

Actual performance depends on the connected device, port, cable, file type, file size, and current workload; use a compatible high-speed port and cable.

4. How do I reach the password settings?

If password protection is enabled, enter the current password to unlock the display. Remain on the model information screen for 3 seconds or touch the settings icon, then open the language and password settings.

5. Can I disable password protection before setting a password?

No. The disable-password option is unavailable until a password has been created.

6. Should I disconnect the drive immediately after copying files?

No. Wait until all activity has finished and use the connected device's safe-eject function before unplugging the drive.

Troubleshooting

Problem	Likely Cause	Solution
VAULT 512GB Magnetic Portable SSD is not detected	Loose connection, incompatible port or OTG support is disabled	Reconnect the cable firmly, try another compatible port and confirm that OTG or external-storage access is enabled.
VAULT 512GB Magnetic Portable SSD does not power on	The connected port is not supplying power or the cable is not seated correctly	Reconnect both cable ends and test a powered, compatible port.
The drive appears but files cannot be opened	The file format or file system may not be supported by the connected device	Try the drive on another supported device and verify that the files use a compatible format.
File transfers do not begin	The drive may be locked, full or write access may be restricted	Unlock the drive, check available capacity and confirm that the connected device permits writing to external storage.
Transfer speed is lower than expected	The port, adapter, cable, files or host device may limit performance	Use the supplied cable with a compatible high-speed port and close unnecessary tasks before transferring files.

Problem	Likely Cause	Solution
A transfer stops unexpectedly	The cable moved, the connection was interrupted or the host device entered a low-power state	Reconnect the drive securely, keep the cable still and prevent the host device from sleeping during the transfer.
The touch display does not respond	The drive may still be starting or the display surface may be obstructed	Wait for startup to finish, disconnect and reconnect the drive, and clean the display with a soft, dry cloth.
The password settings option is unavailable	A password state prevents the selected function	Set a password before using the disable option; disable the active password before attempting to set a different one.
The drive cannot be safely ejected	A file or application is still using the drive	Close files and applications accessing the drive, wait for activity to stop and try the safe-eject command again.
The VAULT 512GB Magnetic Portable SSD becomes warm during use	Sustained file transfers can increase enclosure warmth	Pause the transfer, disconnect the drive and allow it to cool in a ventilated location before reconnecting it.

Problem	Likely Cause	Solution
The magnetic attachment is weak	The mounting surface is incompatible, dirty or misaligned	Clean the surface, align the drive correctly or install the supplied magnetic ring on a suitable flat area.
The connected device reports that the drive needs attention	The file system may have been affected by unsafe removal or an interrupted transfer	Reconnect the drive to a supported computer, back up accessible files and use the operating system's storage-checking tools.

Disposal

This product must not be disposed of as unsorted household waste. It is important to separate such waste for proper treatment and recycling, in compliance with local waste management regulations.

Warranty

Products that you buy directly from our Powerology website or shop come with a 24-month warranty.

The 24-month warranty applies to products purchased directly from our Powerology website or store. If Powerology products are bought from any of our verified retailers, then the product is eligible for only a 12-month warranty. To extend your product's warranty, visit our website www.powerology.me/warranty and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 24-month warranty period.

For more info, please check: www.powerology.me/warranty

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