



# SSD Utility

User Guide

Software Version 6.4.0.19

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# Welcome!

SSD Utility enables you to manage and get the best out of your SSDs supported by the SSD Utility (hereinafter referred to as the “SSD”, “drive” or “device”).

## Key features

SSD Utility enables you to:

- See the status of your SSD
- See a detailed view of SMART attributes
- Update SSD firmware
- Secure erase data to make it unrecoverable
- Assist KIOXIA Customer Support in diagnosing problems with views and logs of SSD, computer and SSD Utility details
- Be alerted of issues with drive health, reliability or temperature
- Enhance security with password protection (Some products only)

For more details of SSD Utility features, see SSD Utility Features on page 9.

## System requirements

Supported SSDs include:

|                                      | Windows 11 | Windows 10 x64 |
|--------------------------------------|------------|----------------|
| EXCERIA PRO SSD                      | ✓          | ✓              |
| EXCERIA PLUS G2 SSD                  | ✓          | ✓              |
| EXCERIA PLUS G3 SSD                  | ✓          | ✓              |
| EXCERIA PLUS G4 SSD                  | ✓          | ✓              |
| EXCERIA PLUS SSD                     | ✓          | ✓              |
| EXCERIA G2 SSD                       | ✓          | ✓              |
| EXCERIA SSD                          | ✓          | ✓              |
| EXCERIA with Heatsink SSD            | ✓          | ✓              |
| EXCERIA SATA SSD                     | ✓          | ✓              |
| EXCERIA PLUS Portable SSD            | ✓          | ✓              |
| EXCERIA PLUS G2 Portable SSD         | ✓          | ✓              |
| TR200, RD500, RC500, XS700 (TOSHIBA) |            | ✓              |

 **CAUTION:** Before you start, make back-up copies of any data on the SSD that you want to keep; some operations result in the complete loss of data on the SSD.

**i** Please note the following before using SSD Utility:

- The SSD Utility does not recognize any and all SSDs on hardware RAID or software RAID or Windows Storage. Also, the SSD Utility does not recognize any and all SSDs in driver environments other than the Windows Inbox Driver or Intel® Rapid Storage Technology (Intel® RST) Driver.
- The SSD Utility supports functions for each driver as the followings

| Driver               | Get SSD summary | Get SMART | Alerts | Firmware Update | Secure Erase | Password Protection |
|----------------------|-----------------|-----------|--------|-----------------|--------------|---------------------|
| Windows Inbox Driver | ✓               | ✓         | ✓      | ✓               | ✓            | ✓(*1)               |
| Intel® RST 18        | ✓               | ✓         | ✓      | ✓(*2)           |              | ✓(*1)               |
| Intel® RST 19        | ✓               | ✓         | ✓      | ✓(*2)           |              | ✓(*1)               |
| Intel® RST 20        | ✓               | ✓         | ✓      | ✓               |              | ✓(*1)               |

\*1: This function is for Portable SSD only

\*2: SATA SSD and Portable SSD are available this function. However, NVMe SSD is not supported..

- In preparation for disposal or reuse of the drive it is strongly recommended that the “Secure Erase” be performed to prevent data leakage.
- You must run SSD Utility as an administrator.
- For firmware updates, your computer must be connected to the internet.
- To create a Bootable Media for Secure Erase / Format NVMe™, your computer must be connected to the internet.
- If you have any problems with the operation of the SSD Utility, please contact Kioxia Customer Support (<https://personal.kioxia.com/support>).

## Installing SSD Utility

This guide assumes that you have already correctly installed your SSDs. You can:

- Install SSD Utility in Windows.
- Create a Bootable Media. This enables you to do some things that you cannot do from within your operating system. For example, for some SSDs or system boot drives, Secure Erase can not be done from the Windows Operating System. The Bootable Media is written to a USB flash drive.

### Install SSD Utility in Windows

Run the installer and follow the onscreen instructions.

### Create a Bootable Media

You can use a USB flash drive to create a standalone bootable tool called Bootable Media which can be used to perform a Secure Erase and Format NVMe of your SSD. The SSD Utility will only offer a Bootable Media if it is required – you should create the Bootable Media if prompted.

These instructions assume that you are familiar with the functionality of SSD Utility for Secure Erase and Format NVMe.

-  **CAUTION:** Before you start, make back-up copies of any data on the SSD and USB flash drive that you want to keep.  
Also any data on the flash drive is erased during this operation.  
USB flash drive capacity must be at least 128MB.  
The USB flash drive is automatically formatted as FAT32, which ensures that any files saved onto the drive can be easily read from any Windows system.

If SSDs not supported by the SSD Utility (hereinafter referred to as the “unsupported SSDs”) are connected to your computer, the Bootable Media feature may not work properly. You may need to dismount unsupported SSDs from the computer before using the Bootable Media feature. Please contact KIOXIA Customer Support (<https://personal.kioxia.com/support>) if you have any problems with Bootable Media operation.

### Secure Erase with Bootable Media

1. Insert your USB flash drive into your computer, then restart your computer.
2. Set your BIOS to boot from your USB flash drive; see the relevant user documentation for your computer.
3. After the computer has booted, the Secure Erase of the SSD selected when the Bootable Media is created will run automatically.

Since this will delete all data from the SSD, the script will provide a warning message then request confirmation that the secure erase command should be run; with the following message:

**Are you sure you want to erase your drive? (yes/no):**

To proceed, type yes. To cancel the operation type no.

The script may ask you to confirm the suspend/resume erase process; If the message is displayed, please type yes to proceed.

If an error message is displayed during execution, refer to the “List of Error Messages” for action.

After the computer has shutdown, remove the USB flash drive from the computer, power-on your computer and select boot from internal drive Windows system installed and restart your Windows system.

4. After your computer is restarted, check that the data on the selected SSD has been erased.

If you cannot correct the error using the information in the “List of Error Messages”, or If the data has not been erased, please contact our KIOXIA Customer Support (<https://personal.kioxia.com/support>).

-  If your selected SSD is a SATA drive, the computer will lock the drive during the boot process. The script will unlock the drive using suspend and resume commands; however, these commands can

stop the display from working on some computers. The secure erase will still be executed, but there will not be a message displayed when the erase finishes; instead the computer will automatically shutdown after the command has completed. The process should take no longer than 5 minutes. If your computer does not shutdown please manually shutdown, remove USB flash drive and contact KIOXIA Customer Support (<https://personal.kioxia.com/support>).

## Starting SSD Utility

A shortcut to SSD Utility is installed along with the application, either on desktop or in the Start menu under **KIOXIA Corporation - SSD Utility**. Click this to run SSD Utility.

## Uninstall SSD Utility

To uninstall from Windows, use the standard uninstall facility in Control Panel, or run the installer again and select **Remove**.

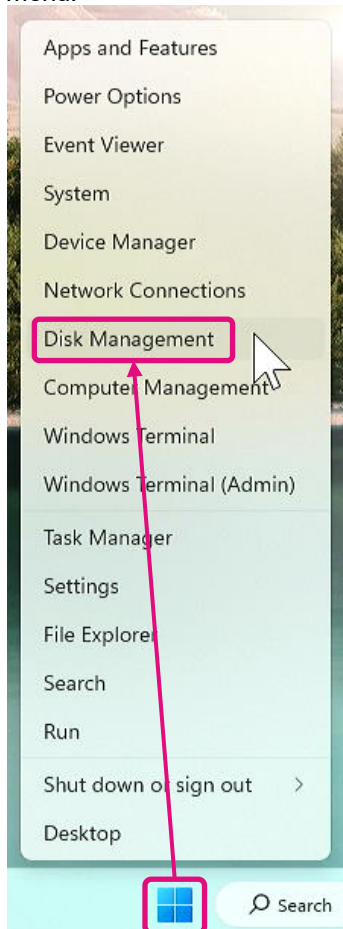
## Remove Bootable Media from your USB flash drive

1. Insert the USB flash drive into a Windows computer.
2. Delete the USB flash drive volume and reformat under the following steps.

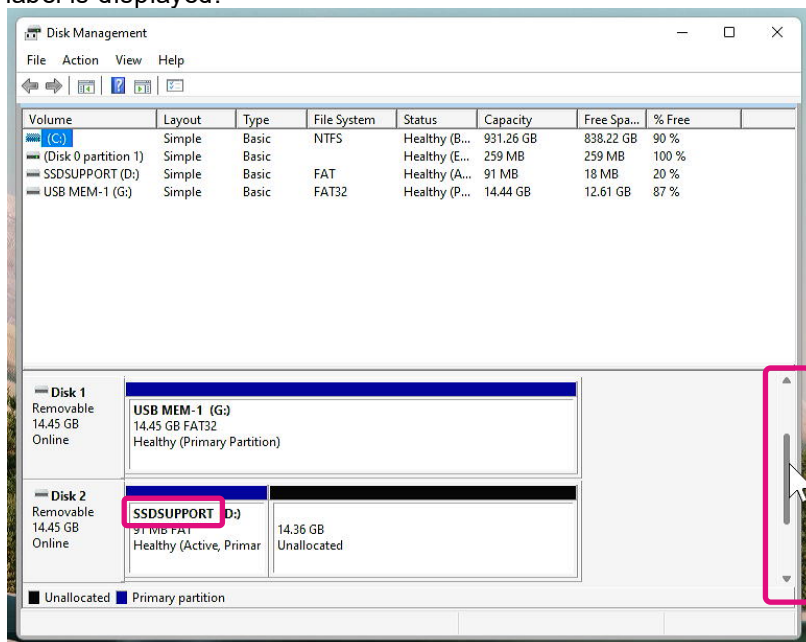
**⚠ CAUTION:** The following steps will erase all data in USB flash drive. Selecting the wrong drive will remove all data in that drive, be sure to select the USB flash drive you want to delete.

As an example, the following is the removal procedure for Windows 11:

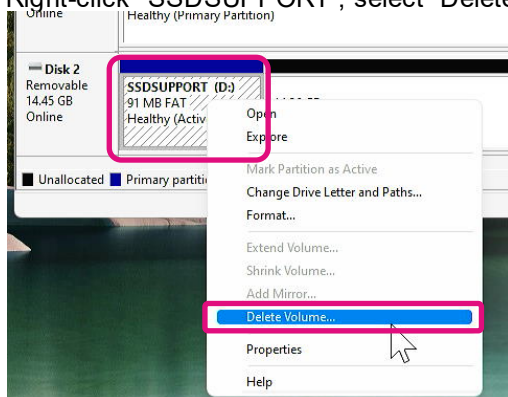
- 2-1. Right-click the "Start" button on the taskbar, select "Disk Management" from the displayed menu.



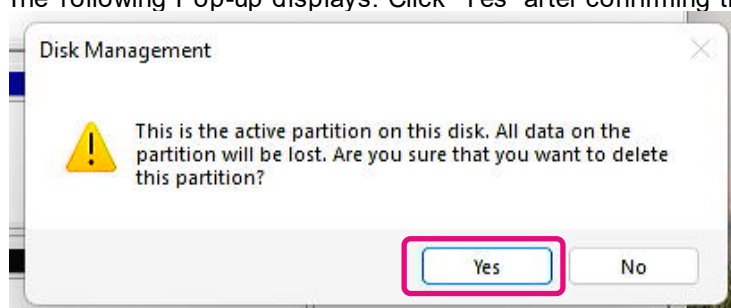
- 2-2. 「Disk Management」 window opens. Use scroll bar to scroll till "SSDSUPPORT" in Volume label is displayed.



- 2-3. Right-click "SSDSUPPORT", select "Delete Volume" from the menu.

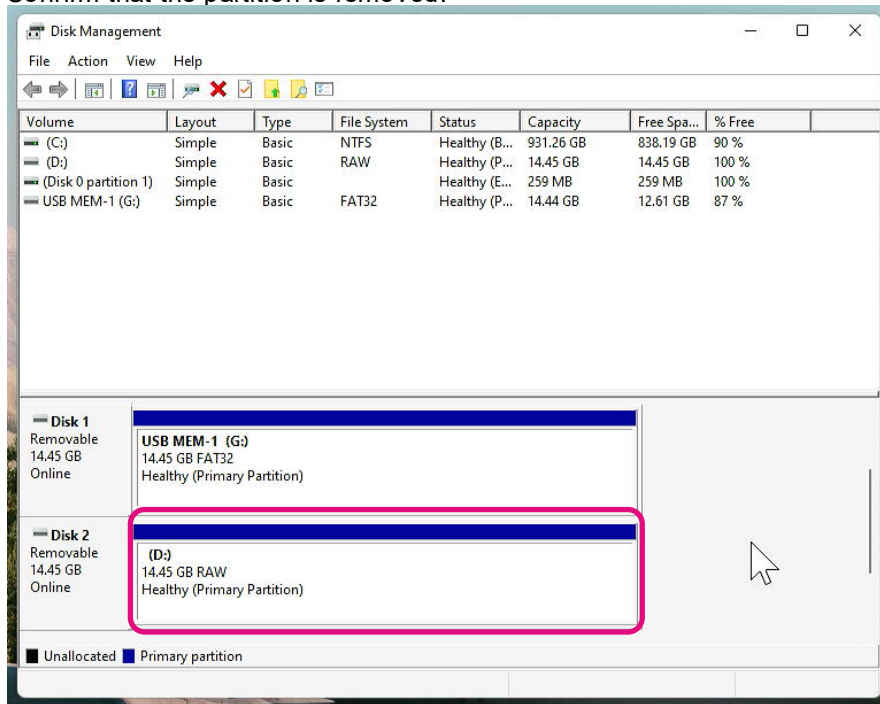


- 2-4. The following Pop-up displays. Click "Yes" after confirming the message.

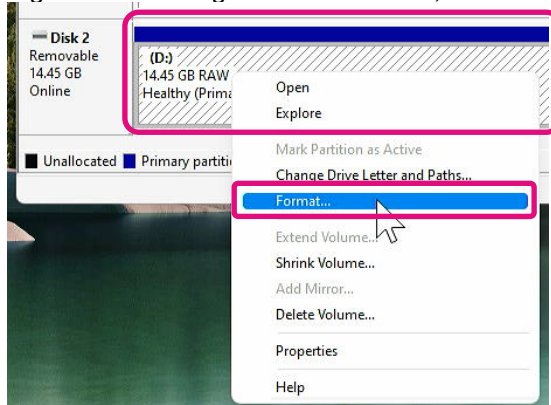




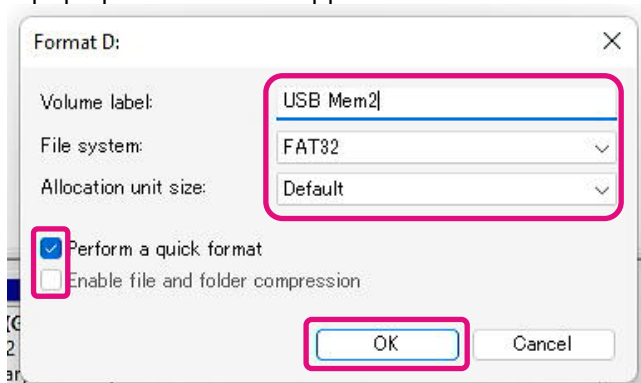
## 2-5. Confirm that the partition is removed.



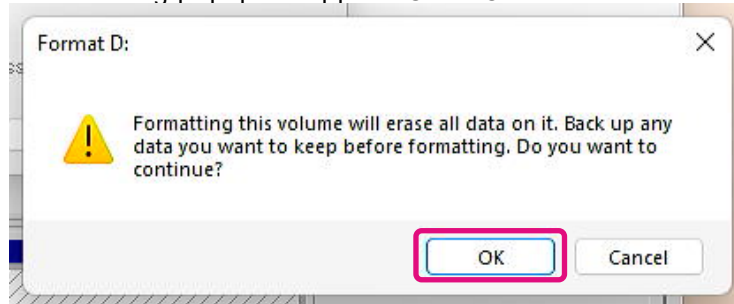
## 2-6. Right-click the target drive to format, and select "Format (F)..." from the displayed menu.



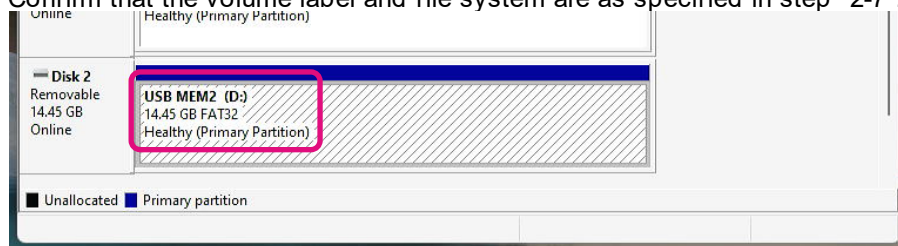
## 2-7. A pop-up for format will appear. Enter each item and click "OK" button.



- 2-8. The following popup will appear. Click "OK" button after confirming the message.



- 2-9. Confirm that the volume label and file system are as specified in step "2-7".

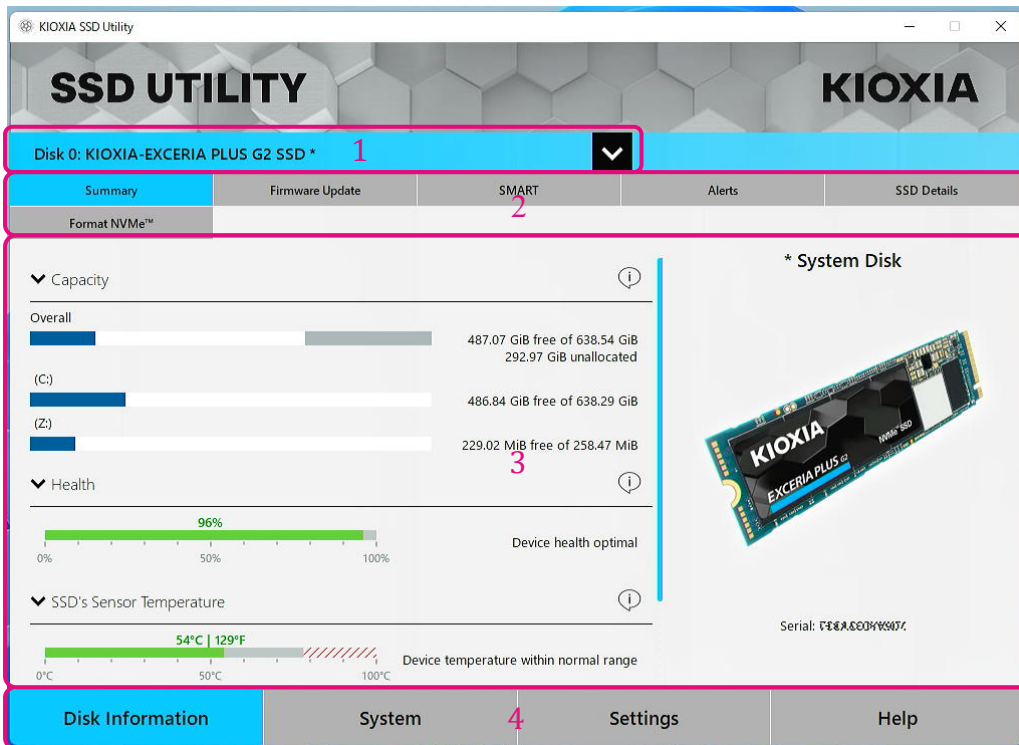


This completes the steps for removing Bootable Media from a USB flash drive.

# SSD Utility Features

## UI overview

The SSD Utility window is divided into panes.



- 1 Select drive list** - a list of SSDs installed in the current computer. If you only have one supported SSD installed in your computer, it will be automatically selected. When you have more than one SSD installed, ensure that the target SSD is selected before you click tasks from the following Task bar. Only drives for which this SSD Utility can provide functionality will appear in the selection list.
- 2 Task bar** – displays the tasks you can carry out.
- 3 Main pane** - displays information you request, or fields for a task.
- 4 Option bar** – displays options you can select. Contents in 2 and 3 above will change depending on the option selected.

## Functional Overview

SSD Utility supports the features in the following table, listed by their location in the user interface. The features supported by the selected drive are different. If you have more than one supported SSD, the task bar is displayed according to the drive selected from select drive list.

To view the description of each feature, click . The Help includes links to further information online.

If you do not find the information you need in the Help or in this guide, you can contact our KIOXIA Customer Support; for details, see the company Website online or the contact details on the help page in the product. (see below).

| Option           | Task                       | Feature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disk information | Overview                   | <p>A quick overview of the drive status, including:</p> <p><b>Capacity</b> - current usage of the drive.</p> <p><b>Health</b> - remaining drive lifetime.</p> <p>■ = SSD operating optimally (100% to 21%)</p> <p>■ = consider replacing your SSD to prevent future data loss (20% to 11%)</p> <p>■ = replace your SSD urgently (10% to 0%)</p> <p>Health value may reach to zero (0) even within the warranty period. In this case, the SSD will not be covered by the warranty.</p> <p><b>SSD's sensor temperature</b> - temperature measured by the SSD's sensor (may be higher or lower than SSD case temperature)</p> <p><b>Interface</b> – Status of physical interface connection.</p> <p><b>Host Memory Buffer</b> – Status of Host Memory Buffer.</p>                                                                                |
|                  | Firmware update            | Provides advanced methods of updating SSD firmware for the selected drive.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                  | SMART                      | Shows current SMART attribute values, which can help you to realize if there is a problem with your SSD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                  | Alerts                     | Shows a detailed report of all the alert conditions that may require attention, plus any that have occurred in the past.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                  | SSD details                | Shows details about SSD. This feature may be used when contacting KIOXIA Customer Support.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                  | Security                   | <p>The password protection function is only valid for portable SSDs.</p> <p><b>Set Password</b> - Set Password on a portable SSD, validate password protection function.</p> <p><b>Unlock device</b> – Unlock portable SSD with a password.</p> <p><b>Remove Password</b> - Remove Password from a password protected device.</p> <p><b>Change Password</b> - (EXCERIA PLUS G2 Portable SSD only) You can change your password for unlocked portable SSDs.</p> <p>For more information on the password protection, see "Password Protection Features".</p>                                                                                                                                                                                                                                                                                    |
| System           | Secure Erase / Format NVMe | <p><b>Secure Erase</b> – delete all the data from your SSD so that it is unrecoverable (non-NVMe SSDs)</p> <p><b>NVMe Format</b> - Delete all the data from an NVMe SSD</p> <p>Note: To Secure Erase / NVMe Format SSDs, you may need to create a bootable media on to a USB flash drive – see section "Create a Bootable Media".</p> <p><b>Revert Device</b> - (EXCERIA PLUS G2 Portable SSD only) This will remove the password and delete all data on the SSD so that data recovery is not possible.</p> <p>A PSID is required to revert a device. See "PSID" for more information on PSIDs.</p> <p>After device revert is completed, all data in the SSD will be deleted, so a "Initialize Disk" will be required. Please execute "Initialize Disk" for the target SSD using "Disk Management" in Windows, etc. before using the SSD.</p> |
|                  | -                          | Shows details of your system, which may be useful when contacting KIOXIA Customer Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|                 |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Settings</b> | - | <p>General application configuration, including:</p> <p><b>Language</b> - the user interface language.</p> <p><b>Logging</b> - enable verbose logging to help KIOXIA Customer Support diagnose problems</p> <p><b>Monitoring</b> - whether SSD Utility stays running to monitor your SSDs</p> <ul style="list-style-type: none"><li>- <b>Run in the Background</b> - enable tool to run in the Background</li><li>- <b>Run at login</b> - automatically runs tool when login</li></ul> |
| <b>Help</b>     | - | <p><b>Contact Us</b> - links to online support information</p> <p><b>SSD Utility</b> – Overview about SSD Utility. You will be notified if a new version of SSD Utility is available</p> <p><b>Save support package</b> - Information about the system being used is saved in a zip file. You may be asked to provide this file to KIOXIA Customer Support.</p>                                                                                                                        |

## Password Protection Features

### EXCERIA PLUS Portable SSD

EXCERIA PLUS Portable SSD allows you to lock the device with a password to prevent others from accessing the user data area of the device. Please follow the instructions below to use the password protection feature.

The password protection requires following two passwords

- Master Password :

This is the password to disable the password protection. This is a 32-character alphanumeric password that SSD Utility will automatically generate and display when you enable the password protection in "Set Password" below. If you forget the Master Password, you will not be able to disable the password protection feature by removing Master Password and User Password.

- User Password :

This is the password used to unlock the device locked by the password protection. This is a password of 8 to 32 alphanumeric characters to be entered by the user when activating the password protection in the "Set Password" procedure described below. Entering the User Password in "Unlock device" procedure will unlock the device and allow access to the user data area of the device.

If you forget your User Password, you will not be able to unlock the device and access the user data area of the device. In this case, please follow the "Remove Password" procedure described below to remove both passwords using the Master Password and disable the password protection.

#### CAUTION :

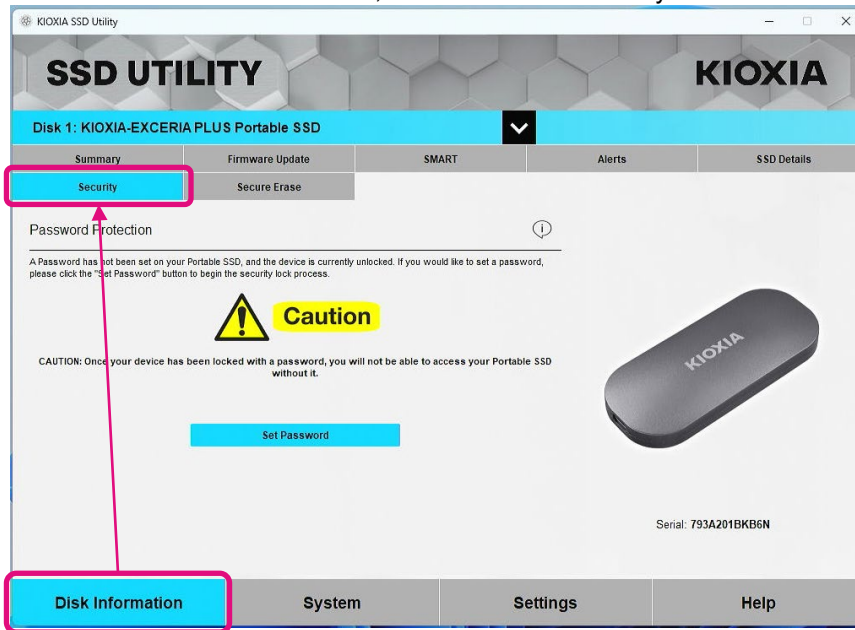
- **You must keep your Master Password and User Password safe for yourself.**
- **You must keep your Master Password as a new Master Password will be displayed each time you "Set Password".**
- **If you lose both your User Password and Master Password, your device will be permanently locked and you will not be able to access your user data area.**

There is no function to change User Password and Master Password. If you wish to change your password, please execute "Remove Password" and then execute "Set Password" again.

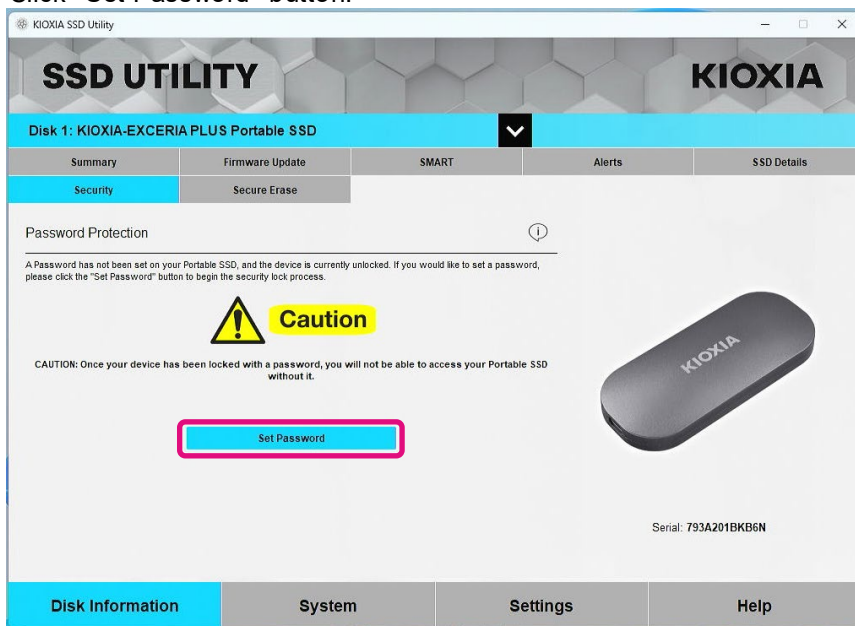
To execute the "Set Password" procedure, "Unlock device" procedure, and "Remove Password" procedure from the next page, please execute the SSD Utility while the EXCERIA PLUS Portable SSD is connected to your computer.

**"Set Password" procedure:**

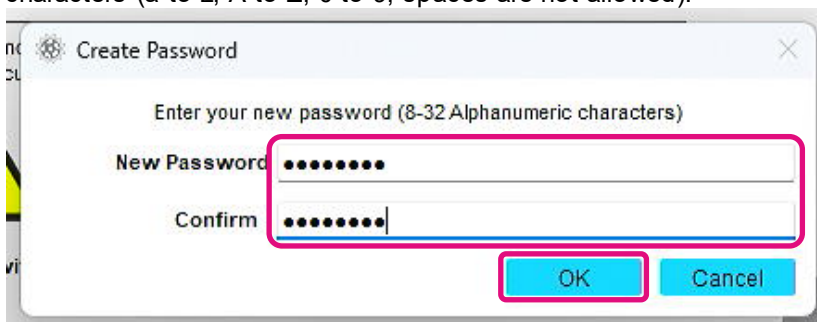
- 1, Click "Disk Information" button, and then click "Security" button.



- 2, Click "Set Password" button.



- 3, Enter the password (User Password) in the pop-up window that appears and click the "OK" button. Please note that the User Password should be any 8 to 32 single-byte alphanumeric characters (a to z, A to Z, 0 to 9; spaces are not allowed).

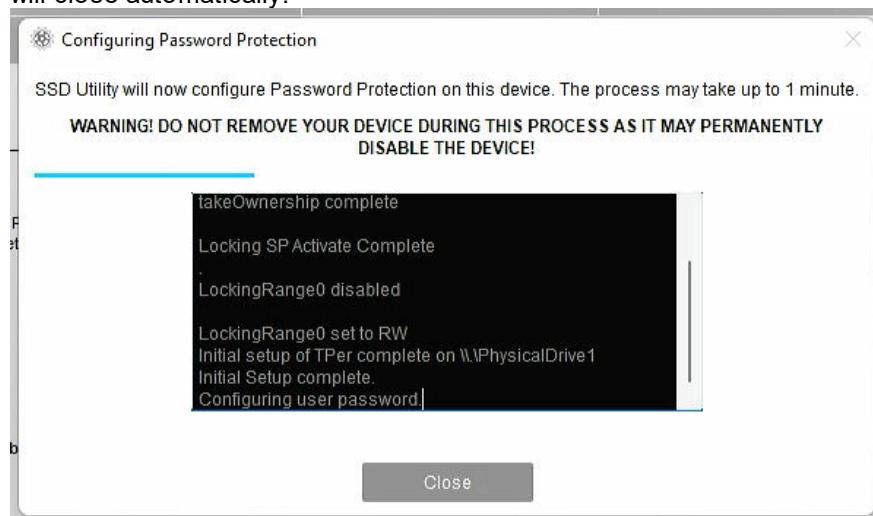


4, Password protection configuration will begin. Please wait until it is finished.



Note: Do not remove the device until it is finished.

Once the password protection configuration is successfully completed, the popup below will close automatically.

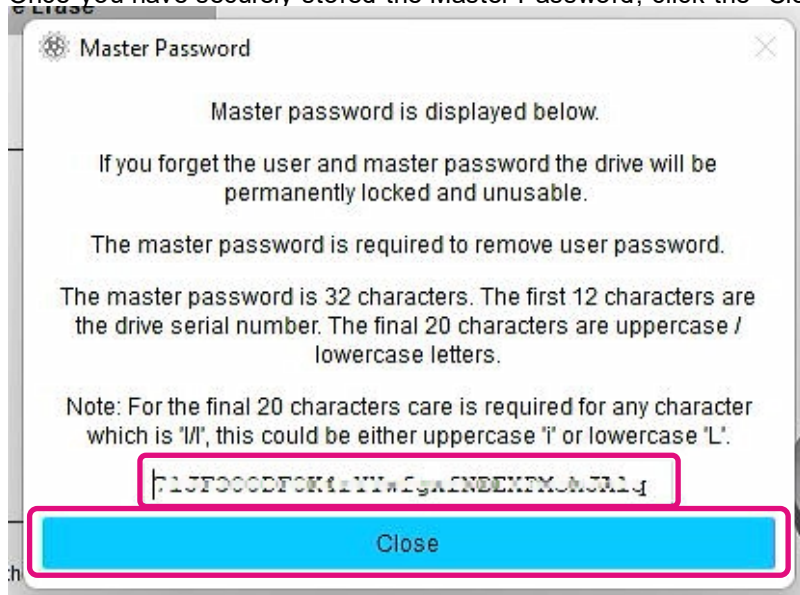


5, The Master Password will be displayed.



Note: Be sure to keep your Master Password, as you will need it to "Remove Password".

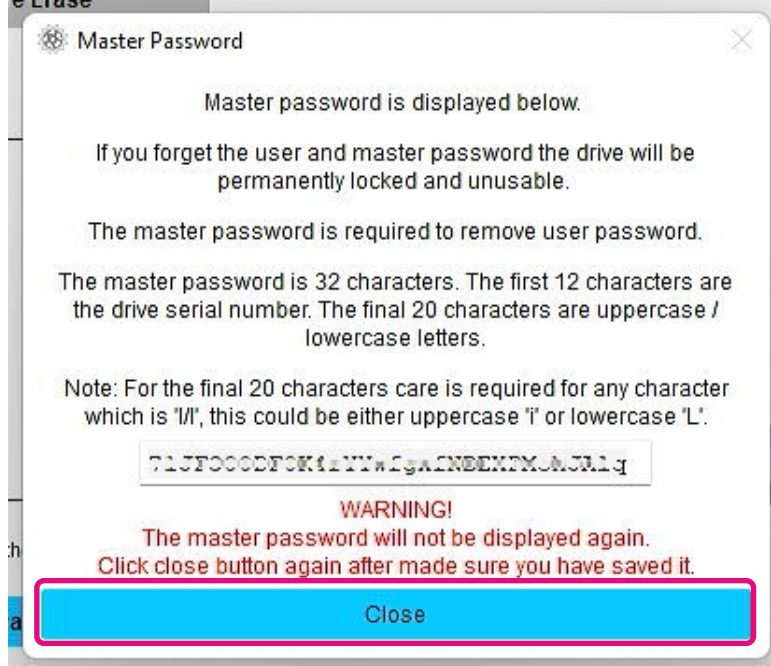
Once you have securely stored the Master Password, click the "Close" button.



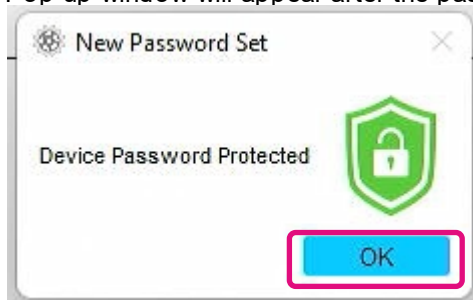


6, A warning will appear. Please confirm again that you have stored the Master Password and click the "Close" button.

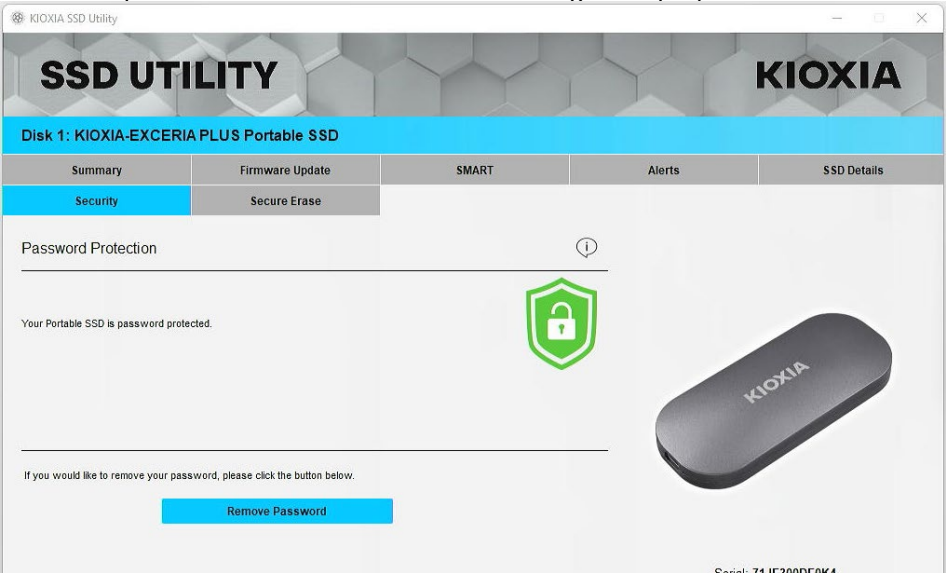
 **Note:** Once you close this pop-up, you will not be able to re-display the Master Password. Please be sure to keep the Master Password for yourself.



7, Pop-up window will appear after the password has been set. Click "OK" button.



8, Password protection is enabled and the following is displayed.



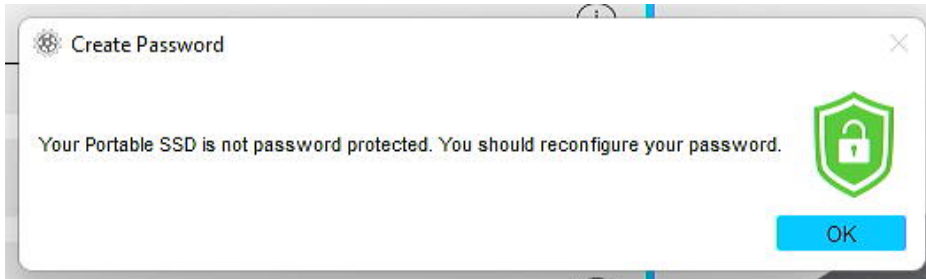
If  is displayed as shown above, the device is unlocked and you can access the user data area of the device.

If you wish to lock the device, safely disconnect the device from the USB port and reconnect it. If  is displayed, the device is locked and the user data area of the device cannot be accessed.

This completes the "Set Password" procedure.

### If "Set Password" failed

If you use a USB port with unstable connection and/or operation, "Set Password" may fail during the process. If it fails during the process, the following pop-up may appear.

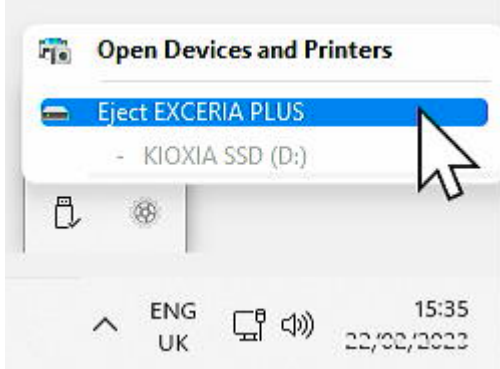


If this pop-up is displayed, click "OK" button to close the pop-up window, change the USB port to which the device is connected, execute "Remove Password" operation, and then perform "Set Password" operation again.

### Procedure for confirming that the SSD is locked with password protection

To ensure that your EXCERIA PLUS Portable SSD is password protected by SSD Utility, please follow the steps below.

- 1, Safely remove the EXCERIA PLUS Portable SSD from your computer.

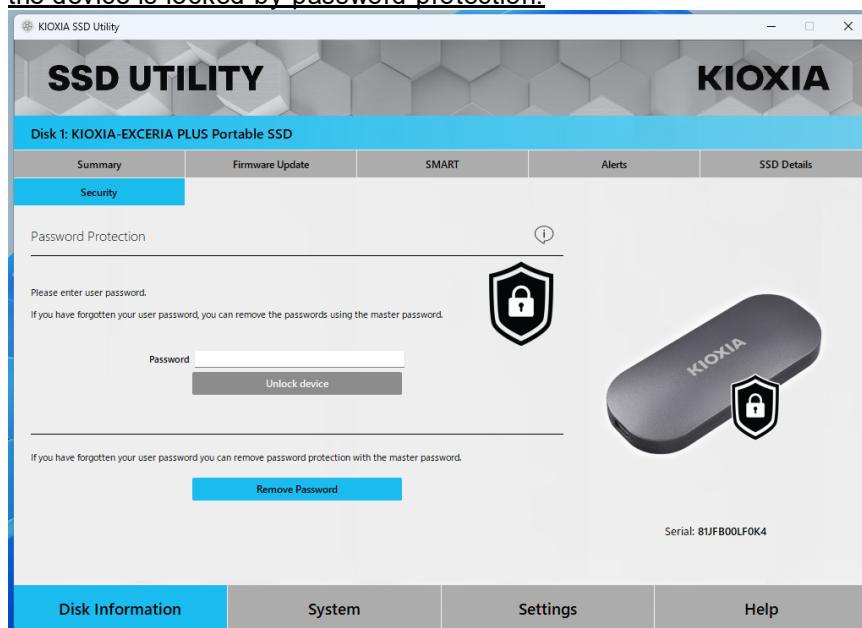


- 2, Execute the SSD Utility on your computer.

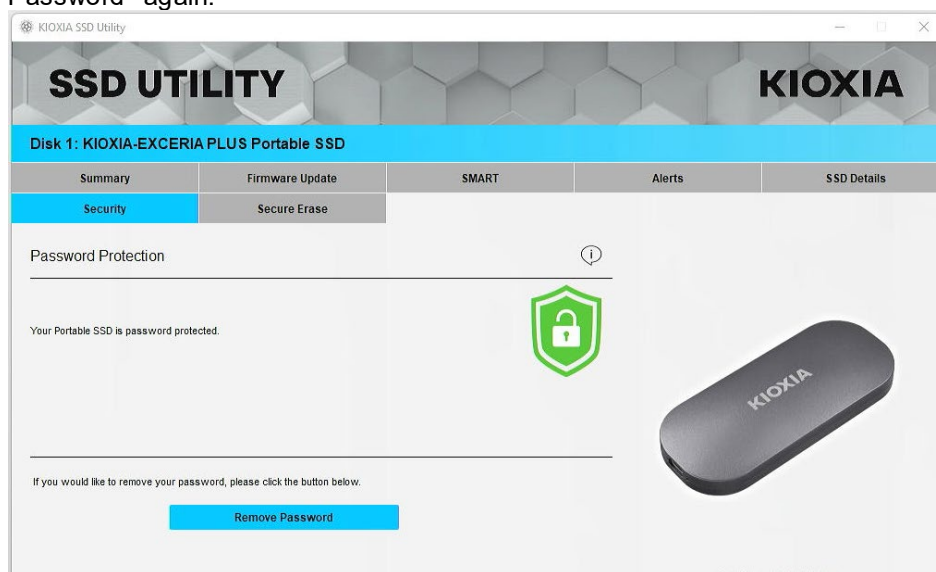


- 3, Connect the EXCERIA PLUS Portable SSD to your computer.

- 4, If the SSD Utility recognizes your EXCERIA PLUS Portable SSD and a black shield icon appears, the device is locked by password protection.

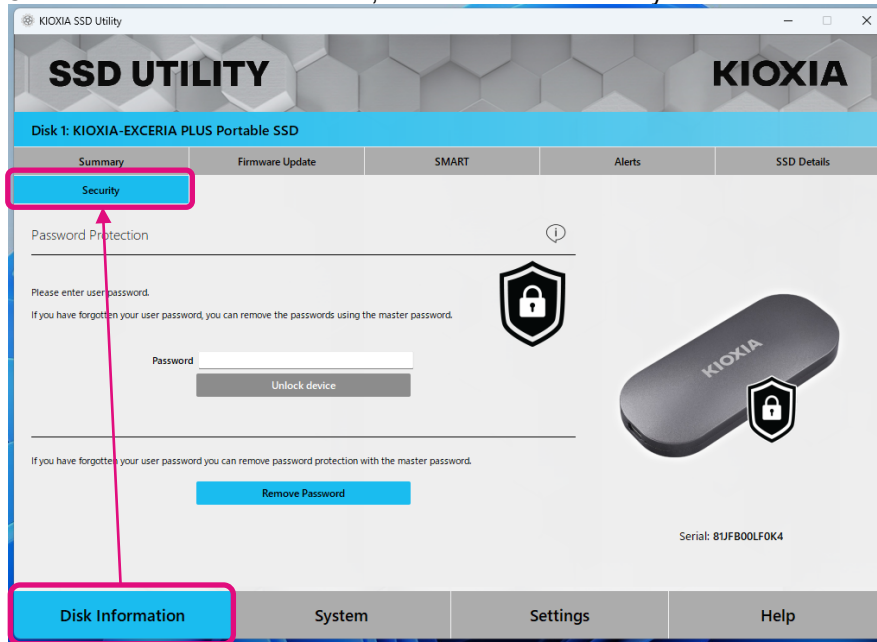


If the black shield icon does not appear here, select "KIOXIA-EXCERIA PLUS Portable SSD" and select "Security" tab. If "Remove Password" button appears even though you have not "Unlocked the device" as shown below, the password protection may not be set correctly. In this case, please click the "Remove Password" button to remove the passwords, and then try "Set Password" again.

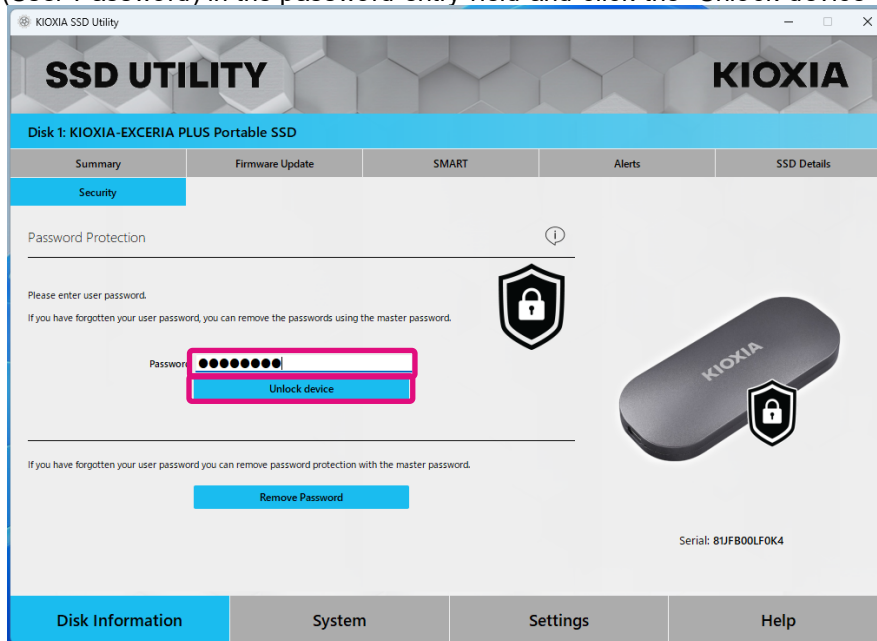


**"Unlock device" procedure:**

- 1, Click "Disk Information" button, and then click "Security" button.



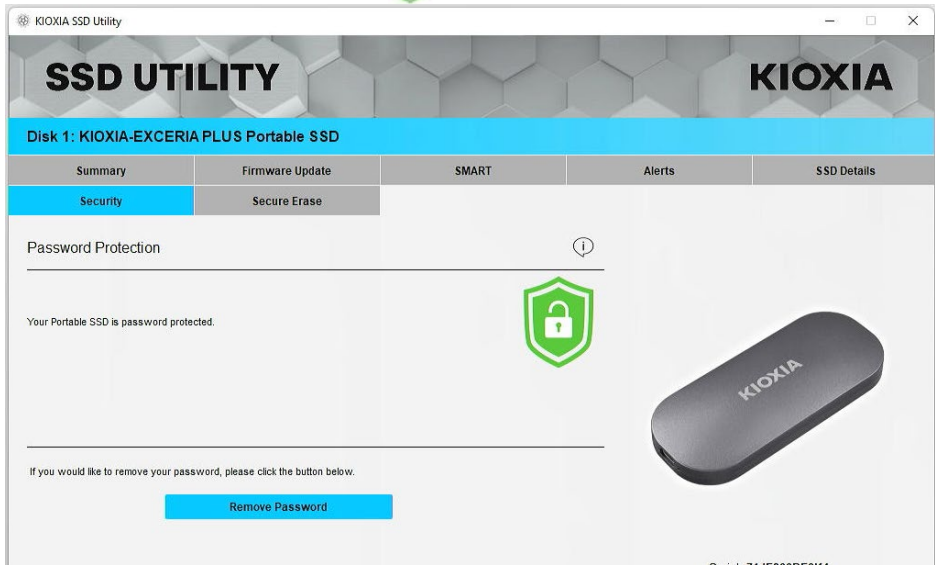
- 2, If the device is locked, a pane for entering a password will appear. Enter your own password (User Password) in the password entry field and click the "Unlock device" button.



- 3, The device will be unlocked and a pop-up will appear. Click "OK" button.



4, The device will be unlocked and  will be displayed as shown below.

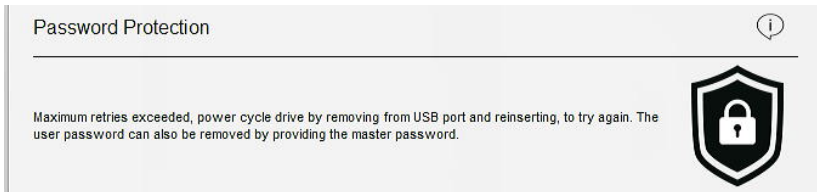


This completes the "Unlock device" procedure.

If you enter an incorrect User Password during "Unlock device", the following pop-up will appear. Click "OK" to close the pop-up window and enter the correct User Password to "Unlock device" again.



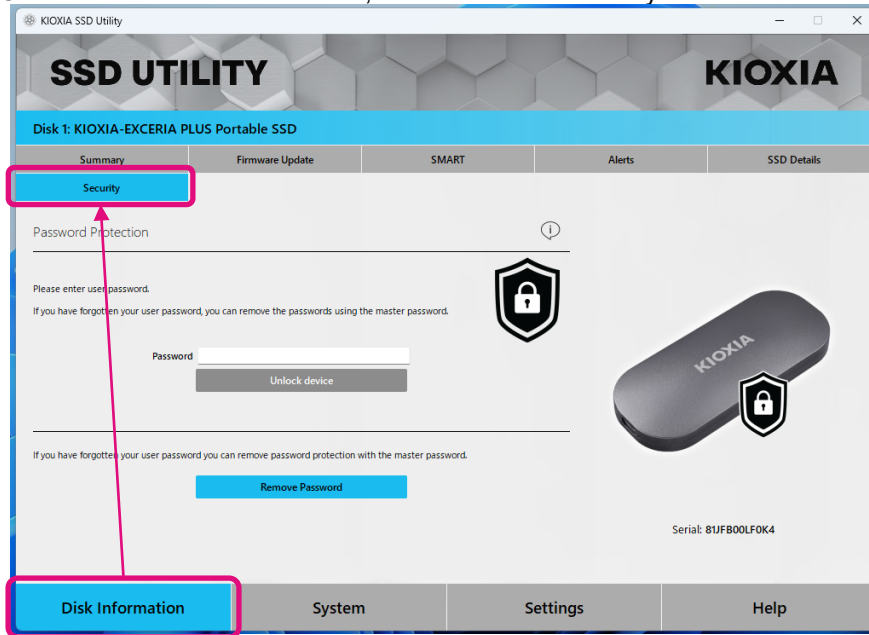
If you enter the wrong User Password five times in a row, the following will appear on the SSD Utility. In this case, please disconnect the target device from the USB port safely and reconnect it to reset the retry counter. And then, please execute "Unlock device" again.



If you do not know the correct User Password, you cannot execute "Unlock device". To disable the password protection, please execute "Remove Password".

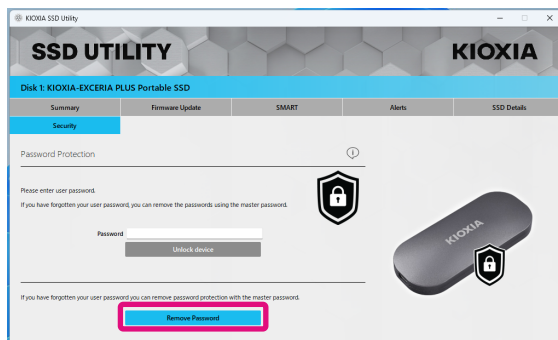
**"Remove Password" procedure:**

- 1, Click "Disk Information" button, and then click "Security" Button.

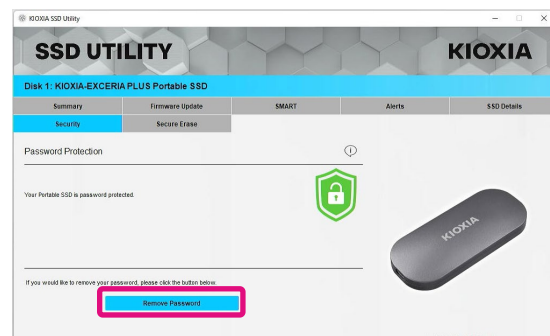


- 2, Depending on the lock status of the device, one of the followings will be displayed. In either case, click the "Remove Password" button.

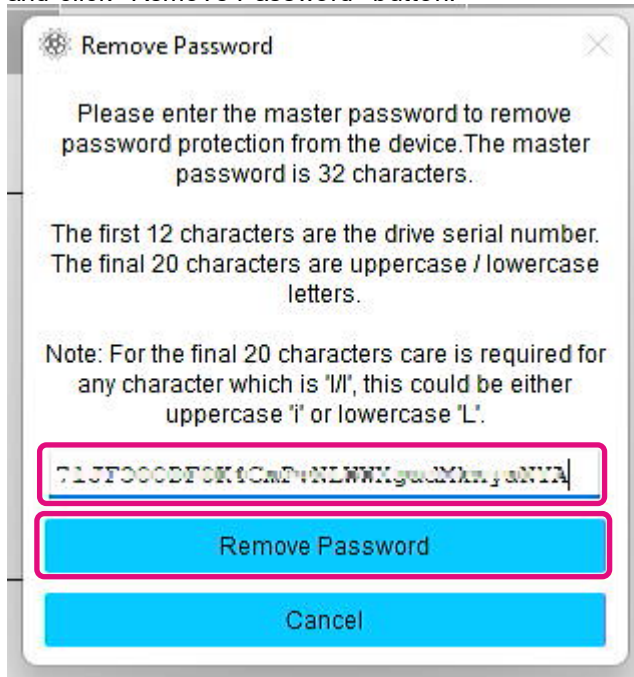
If the device is Locked:



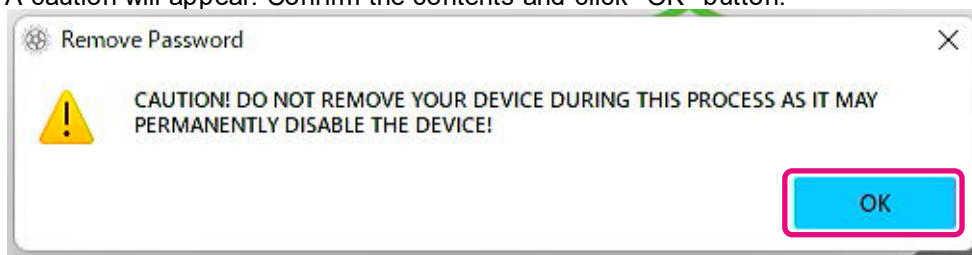
If the device is Unlocked:



- 3, A pop-up will appear asking you to enter Master Password. Enter the stored Master Password and click "Remove Password" button.



- 4, A caution will appear. Confirm the contents and click "OK" button.

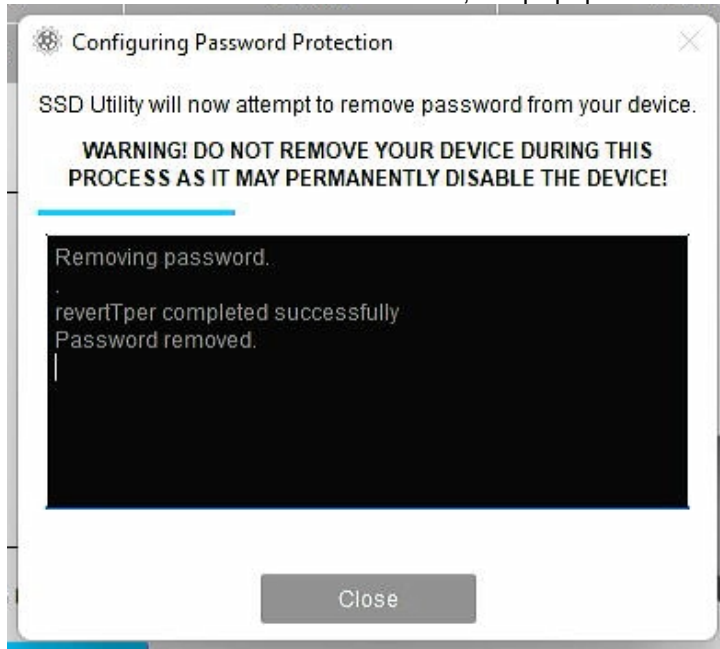




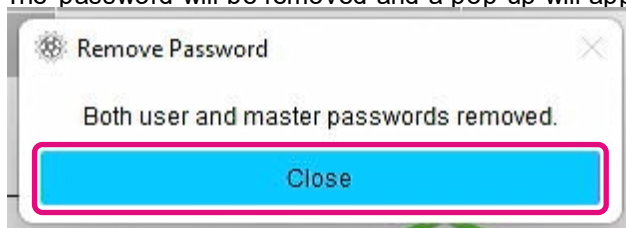
5, Password deletion will be executed. Please wait until it finishes.

 **Note:** Do not remove the device until it finishes.

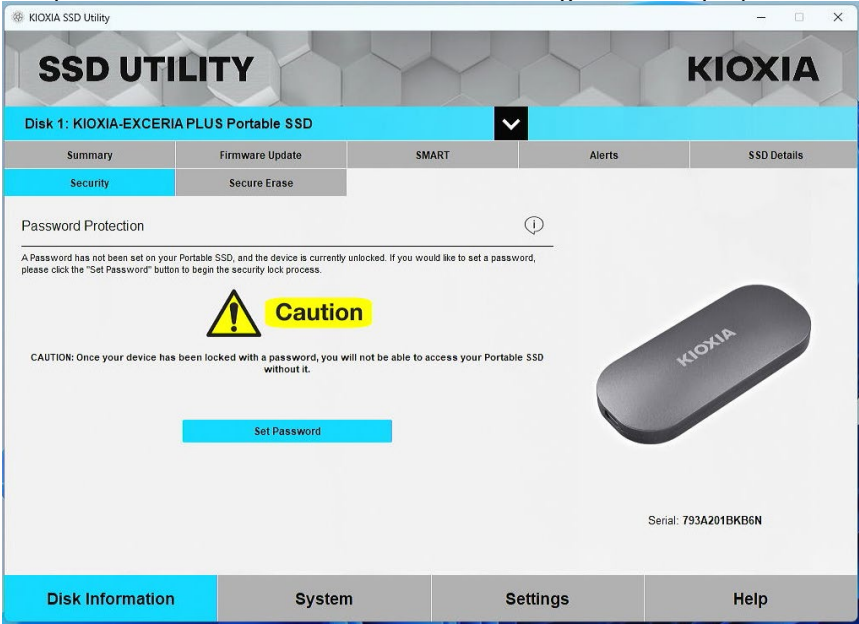
If the Remove Password is successful, the popup below will close automatically.



6, The password will be removed and a pop-up will appear. Click the "Close" button.

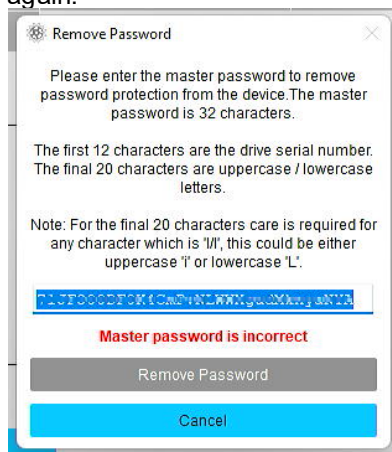


7, The password will be removed and the following will be displayed.

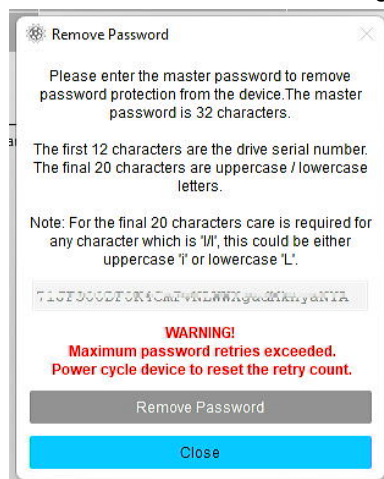


This completes the "Remove Password" procedure.

If you entered an incorrect Master Password during "Remove Password", the following pop-up will appear. Please enter the correct Master Password and click the "Remove Password" button again.



If you enter the wrong Master Password three times in a row, the following warning will appear on the pop-up window. Click the "Close" button to close the pop-up. You can reset the Maximum retries by safely disconnecting and reconnecting the device from the USB port, but the device will be locked. If you do not know your User Password, we recommend that you copy the data to another device before disconnecting and reconnecting the device. After reconnect the device, execute "Remove Password" again.



If you do not know the correct Master Password, you cannot execute "Remove Password".

**EXCERIA PLUS G2 Portable SSD**

EXCERIA PLUS G2 Portable SSD allows you to lock the device with a password to prevent others from accessing the user data area of the device. Please follow the instructions below to use the password protection feature.

The password protection requires following password

- Password :

This is the password used to unlock the locked device or disable password protection. This is a password of 8 to 32 alphanumeric characters to be entered by the user when activating the password protection in the "Set Password" procedure described below. Entering the Password in "Unlock device" procedure will unlock the device and allow access to the user data area of the device.

If you forget your Password, you will not be able to unlock the device. In this case, you can reset the information in the SSD, including the password protection function, by executing "Revert Device". This will disable the password protection function, but all data in the SSD will be deleted, so a "Initialize Disk" will be required. Please execute "Initialize Disk" for the target SSD using "Disk Management" in Windows, etc. before using the SSD.

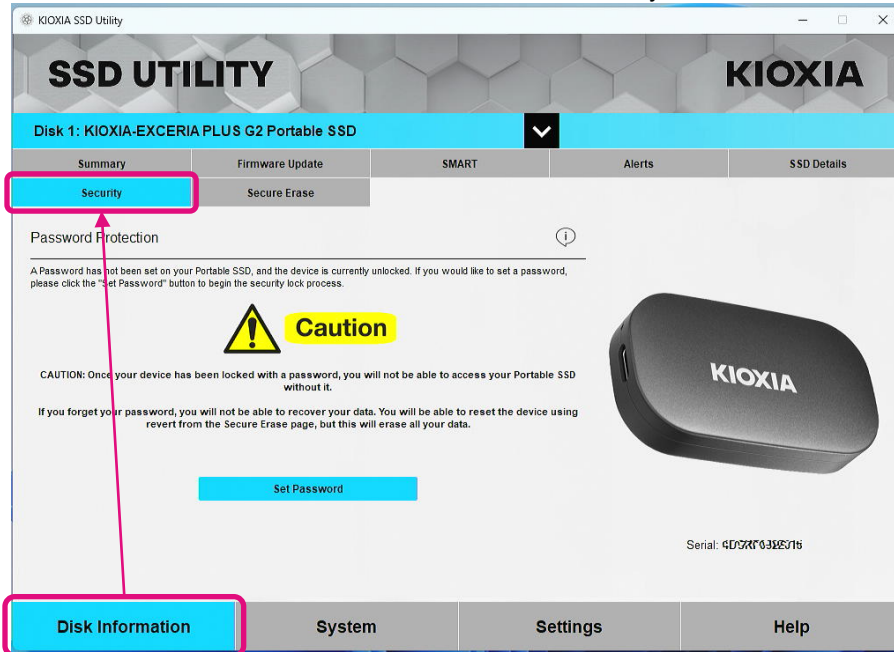
 **CAUTION :**

- **You must keep your Password safe for yourself.**
- **If you lose your Password, your device will be permanently locked and you will not be able to access your user data area.**

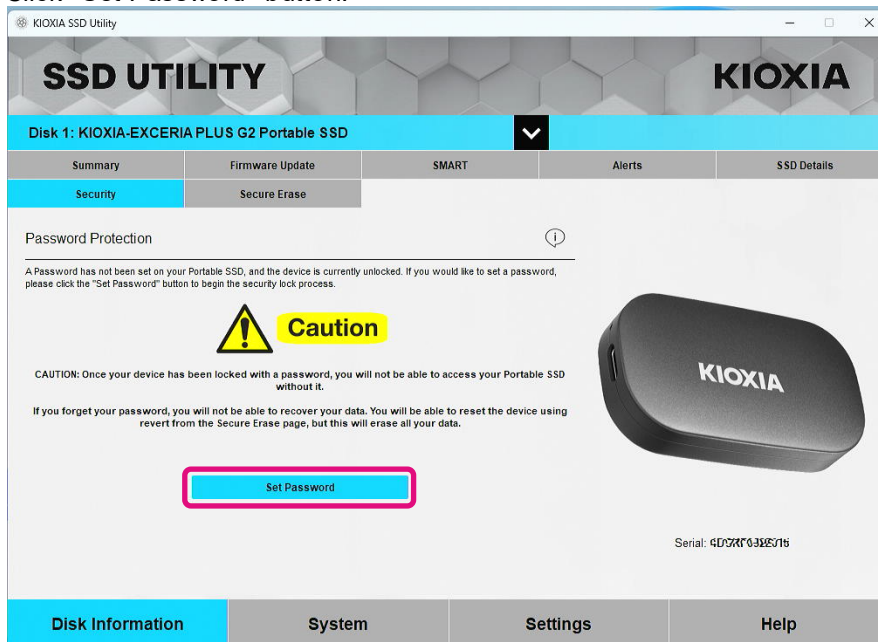
To execute the "Set Password" procedure, "Unlock device" procedure "Remove Password" procedure , and "Change Password" procedure from the next page, please execute the SSD Utility while the EXCERIA PLUS G2 Portable SSD is connected to your computer.

**"Set Password" procedure:**

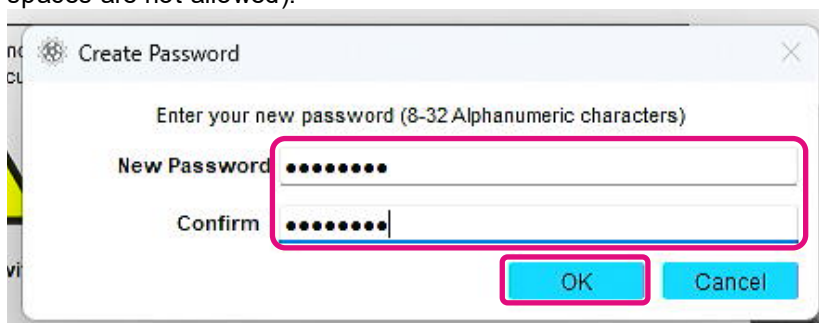
- 1, Click "Disk Information" button, and then click "Security" button.



- 2, Click "Set Password" button.

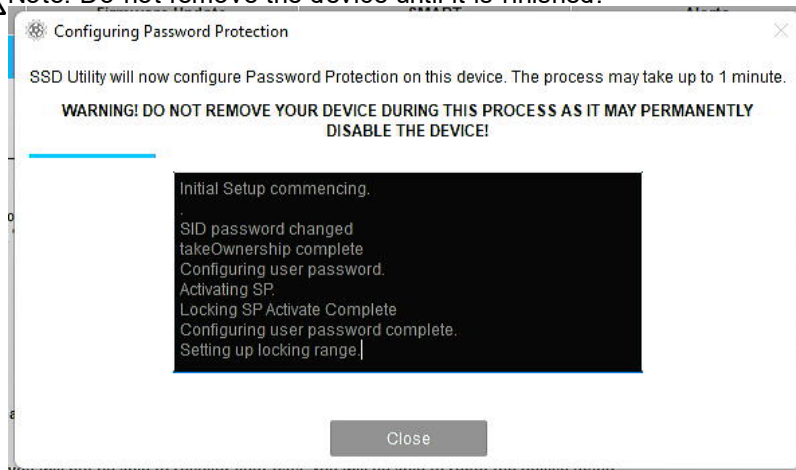


- 3, Enter the password in the pop-up window that appears and click the "OK" button. Please note that the Password should be any 8 to 32 single-byte alphanumeric characters (a to z, A to Z, 0 to 9; spaces are not allowed).

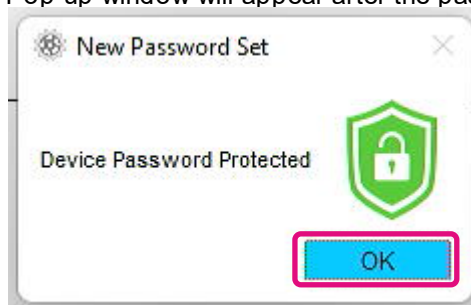


4, Password protection configuration will begin. Please wait until it is finished.

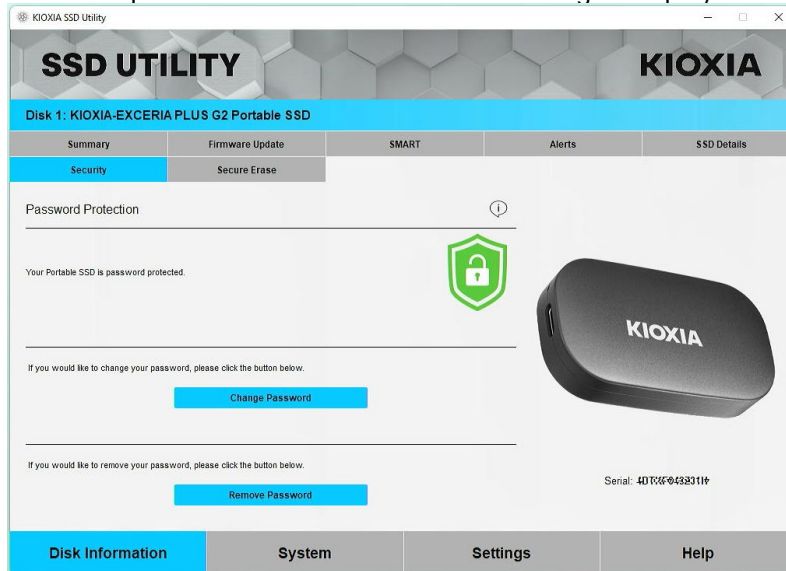
 **Note:** Do not remove the device until it is finished.



5, Pop-up window will appear after the password has been set. Click "OK" button.



6, Password protection is enabled and the following is displayed.



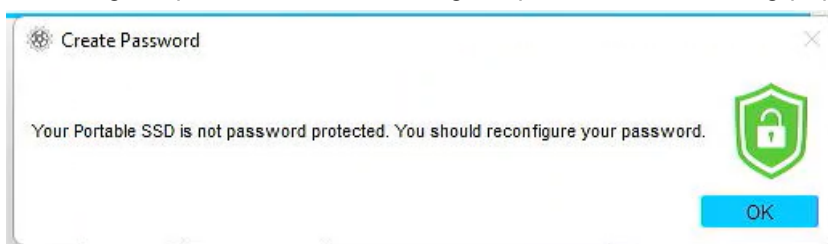
If  is displayed as shown above, the device is unlocked and you can access the user data area of the device.

If you wish to lock the device, safely disconnect the device from the USB port and reconnect it. If  is displayed, the device is locked and the user data area of the device cannot be accessed.

This completes the "Set Password" procedure.

#### If "Set Password" failed

If you use a USB port with unstable connection and/or operation, "Set Password" may fail during the process. If it fails during the process, the following pop-up may appear.

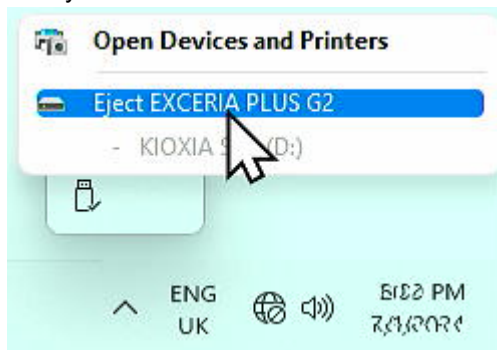


If this pop-up is displayed, click "OK" button to close the pop-up window, change the USB port to which the device is connected, execute "Remove Password" operation, and then perform "Set Password" operation again.

## Procedure for confirming that the SSD is locked with password protection

To ensure that your EXCERIA PLUS G2 Portable SSD is password protected by SSD Utility, please follow the steps below.

- 1, Safely remove the EXCERIA PLUS G2 Portable SSD from your computer.



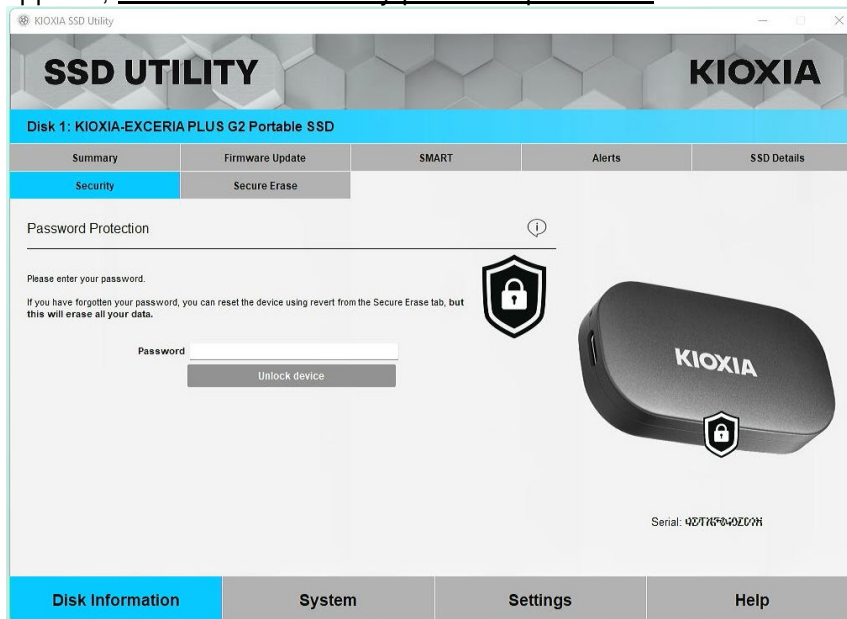
- 2, Execute the SSD Utility on your computer.



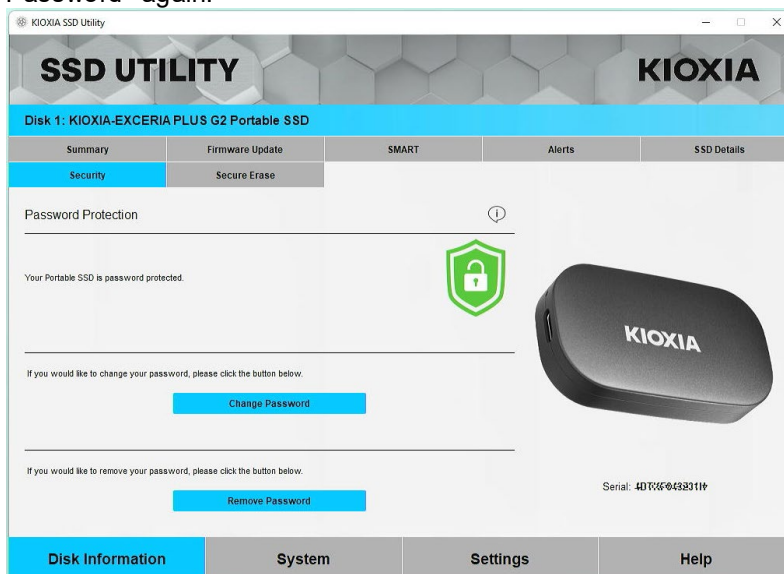
- 3, Connect the EXCERIA PLUS G2 Portable SSD to your computer.



- 4, If the SSD Utility recognizes your EXCERIA PLUS G2 Portable SSD and a black shield icon appears, the device is locked by password protection.

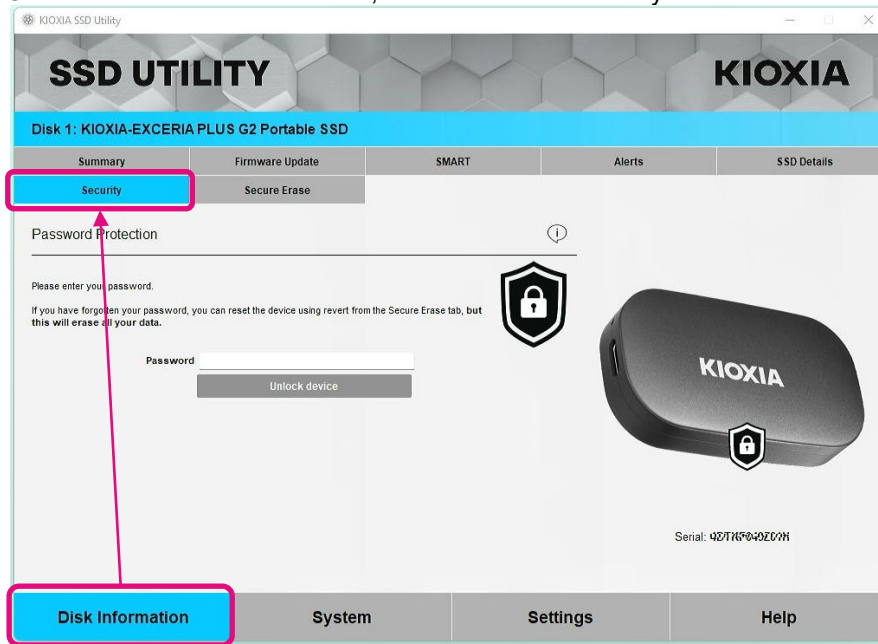


If the black shield icon does not appear here, select "KIOXIA-EXCERIA PLUS G2 Portable SSD" and select "Security" tab. If "Remove Password" button appears even though you have not "Unlocked the device" as shown below, the password protection may not be set correctly. In this case, please click the "Remove Password" button to remove the passwords, and then try "Set Password" again.

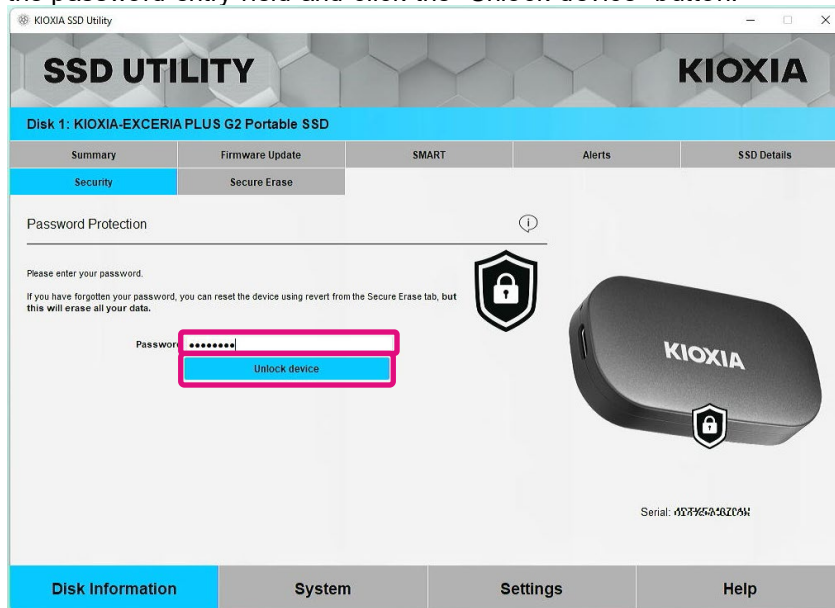


**"Unlock device" procedure:**

- 1, Click "Disk Information" button, and then click "Security" button.



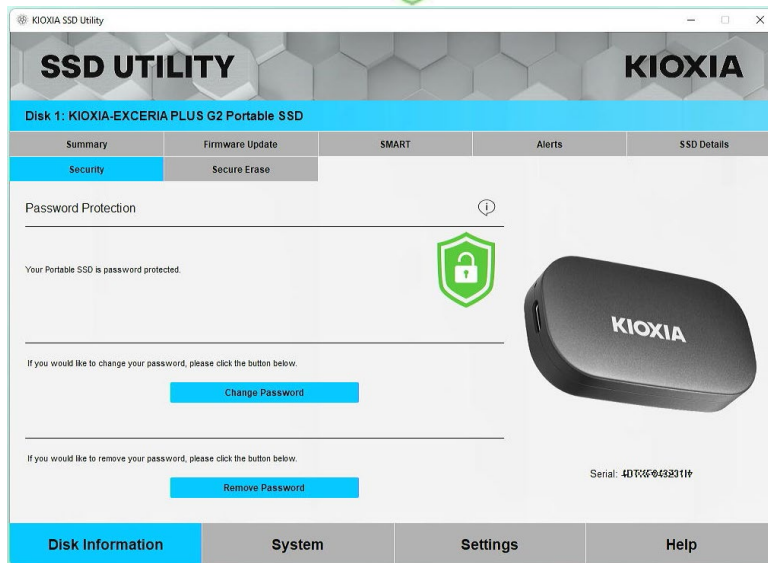
- 2, If the device is locked, a pane for entering a password will appear. Enter your own password in the password entry field and click the "Unlock device" button.



- 3, The device will be unlocked and a pop-up will appear. Click "OK" button.

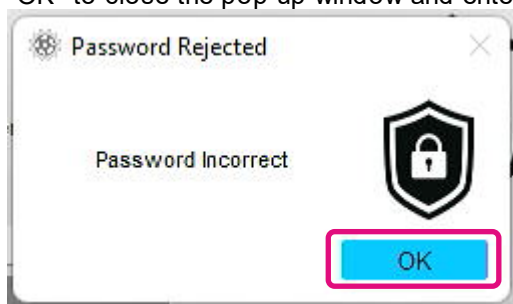


4, The device will be unlocked and  will be displayed as shown below.

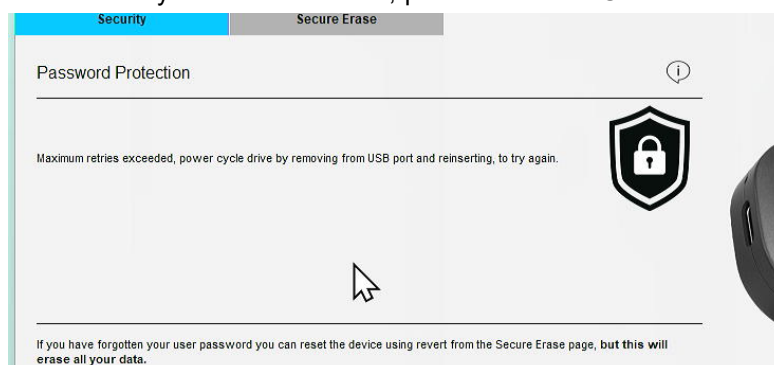


This completes the "Unlock device" procedure.

If you enter an incorrect Password during "Unlock device", the following pop-up will appear. Click "OK" to close the pop-up window and enter the correct Password to "Unlock device" again.



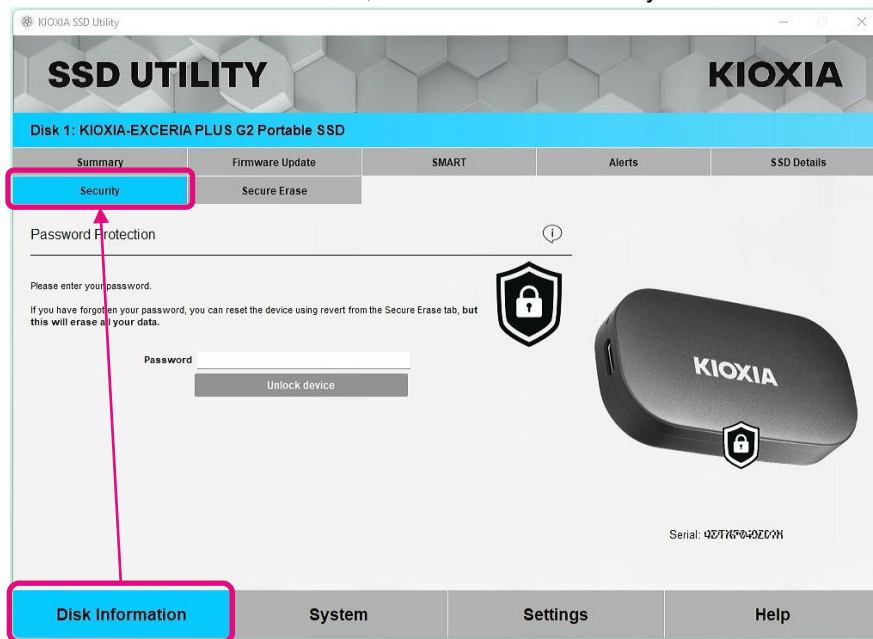
If you enter the wrong Password five times in a row, the following will appear on the SSD Utility. In this case, please disconnect the target device from the USB port safely and reconnect it to reset the retry counter. And then, please execute "Unlock device" again.



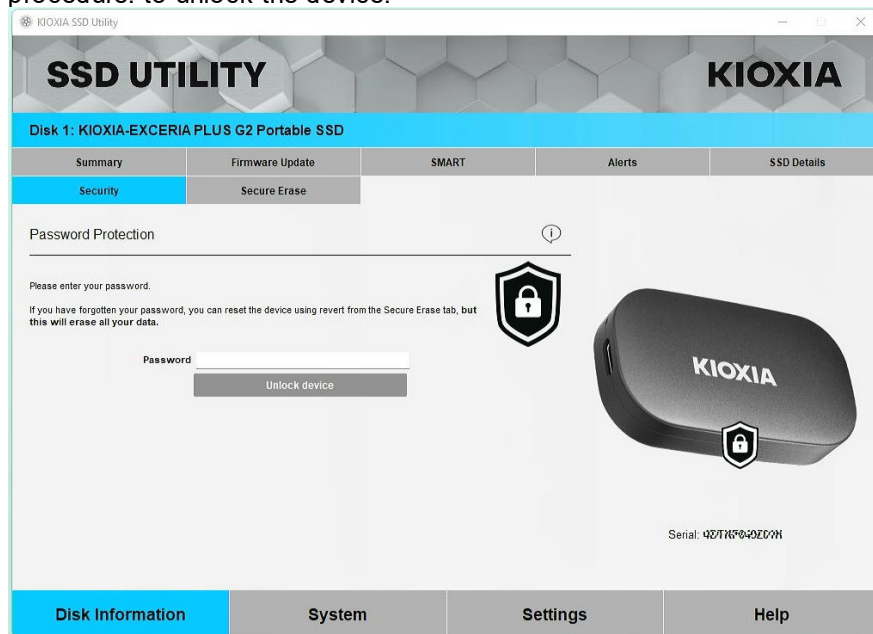
If you do not know the correct Password, you cannot execute "Unlock device". In this case, you can reset the information in the SSD, including the password protection function, by executing "Revert Device". This will disable the password protection function, but all data in the SSD will be deleted, so a "Initialize Disk" will be required. Please execute "Initialize Disk" for the target SSD using "Disk Management" in Windows, etc. before using the SSD.

**"Remove Password" procedure:**

- 1, Click "Disk Information" button, and then click "Security" Button.

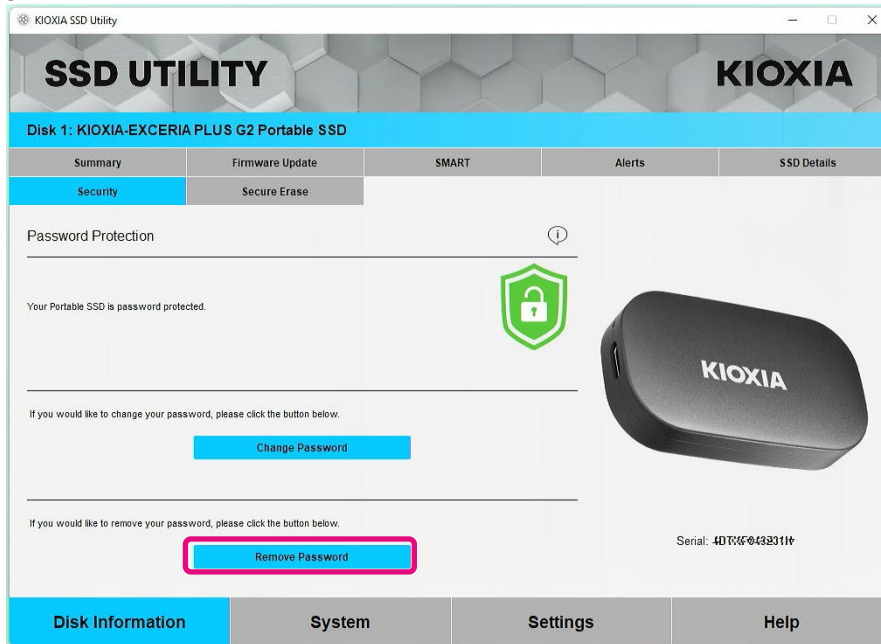


- 2, If the device is locked, the following will be displayed. Please follow the "Unlock device" procedure: to unlock the device.

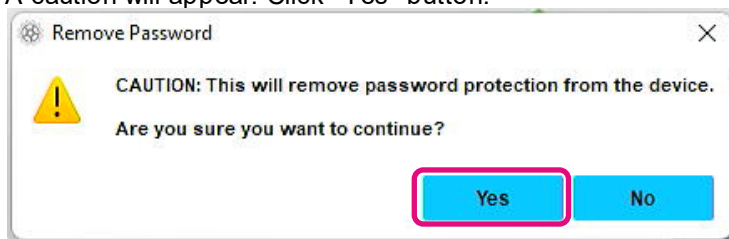


If the lock has already been unlocked, proceed to the next step.

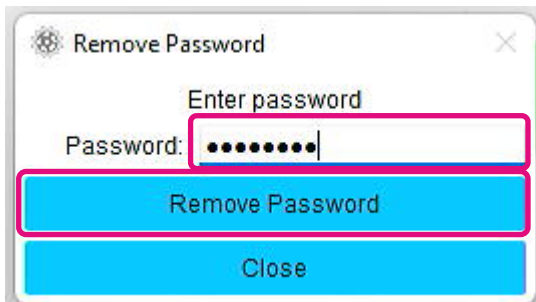
3, Click the "Remove Password" button.



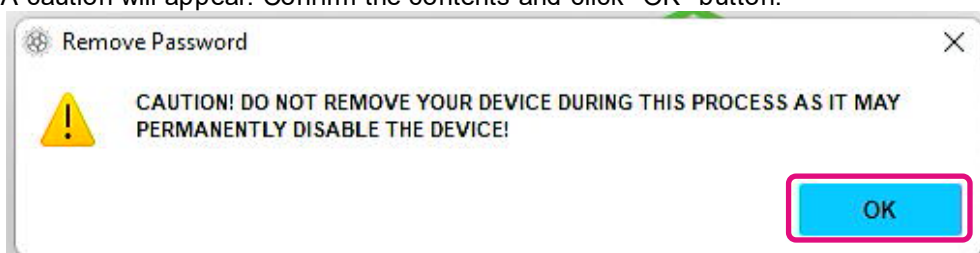
4, A caution will appear. Click "Yes" button.



5, A pop-up will appear asking you to enter Password. Enter the stored Password and click "Remove Password" button.



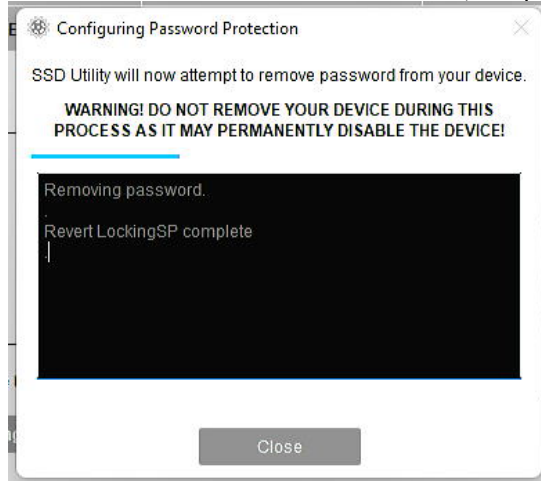
6, A caution will appear. Confirm the contents and click "OK" button.



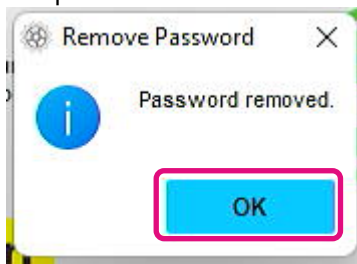
7, Password deletion will be executed. Please wait until it finishes.

 **Note:** Do not remove the device until it finishes.

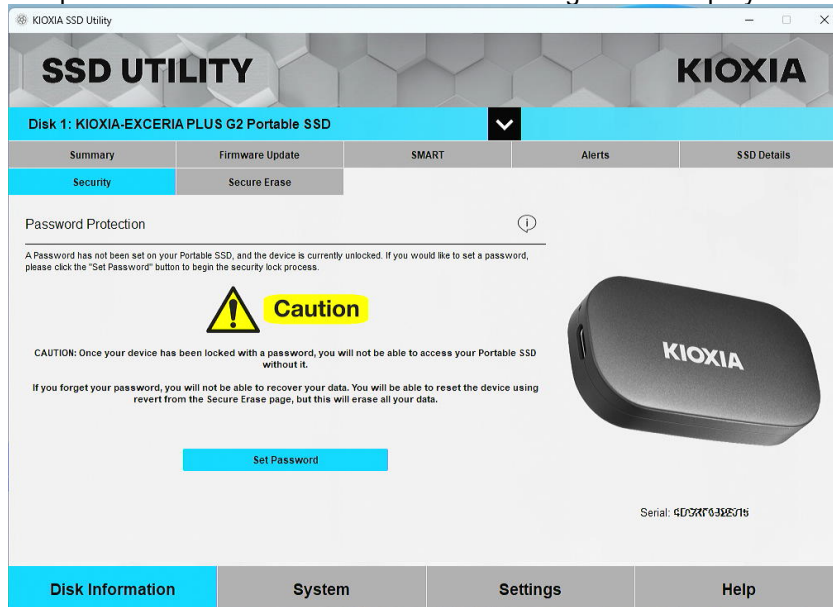
If the Remove Password is successful, the popup below will close automatically.



8, The password will be removed and a pop-up will appear. Click the "OK" button.



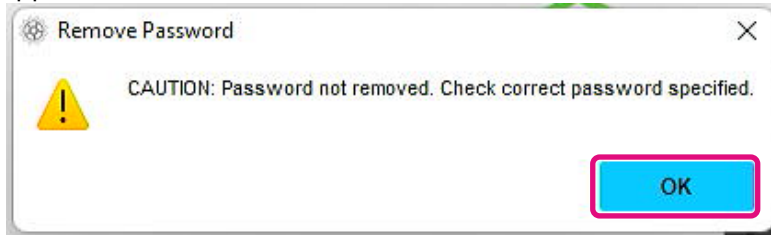
9, The password will be removed and the following will be displayed.



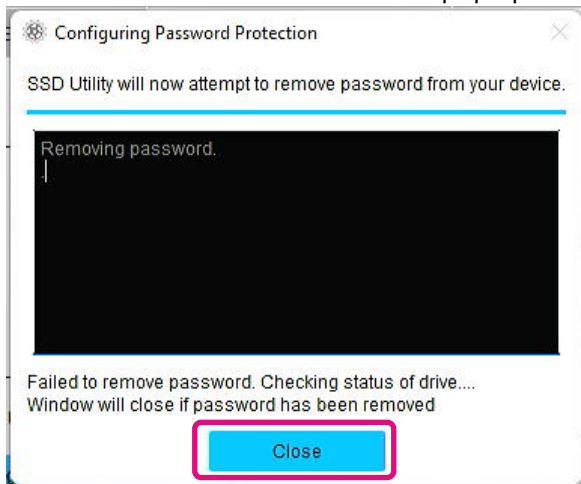
This completes the "Remove Password" procedure.



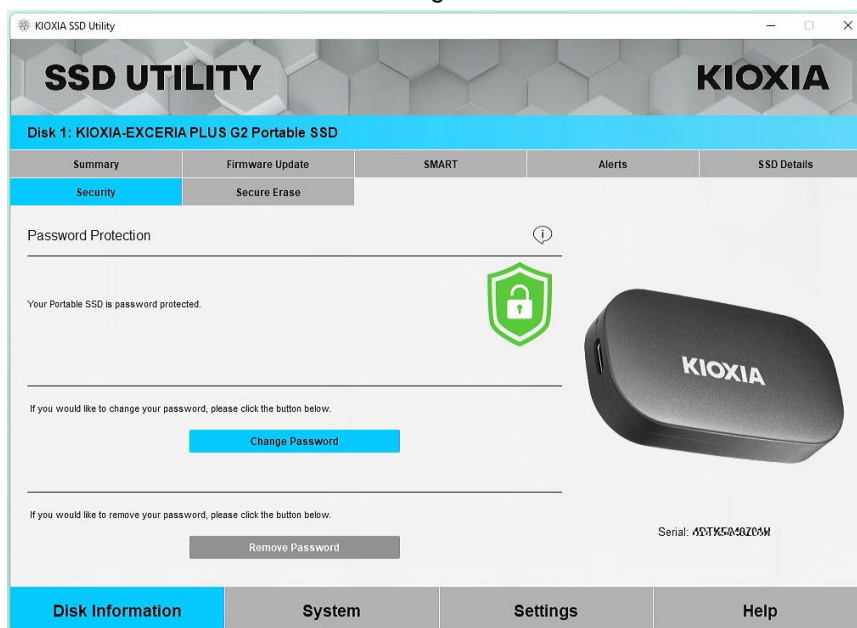
If you entered an incorrect Password during "Remove Password", the following pop-up will appear. Click "OK" button.



Click the "Close" button to close the pop-up.



If you enter the wrong Password five times in a row, the "Remove Password" button will be displayed in gray and cannot be clicked. You can reset the Maximum retries by safely disconnecting and reconnecting the device from the USB port, but the device will be locked. If you do not know your password, we recommend that you copy the data to another device before disconnecting and reconnecting the device. Reconnect the device and execute "Unlock device", then execute "Remove Password" again.



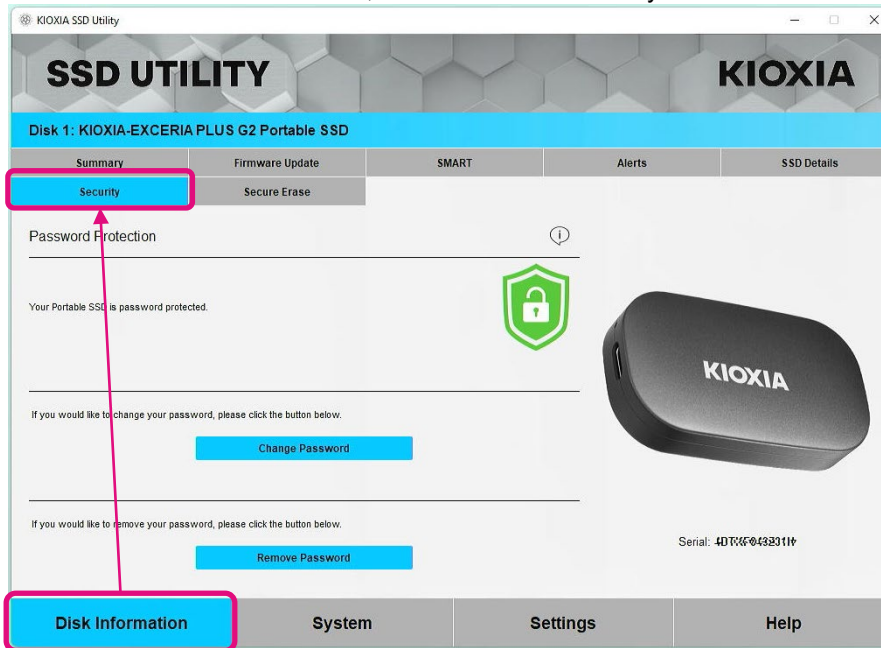
If you do not know the correct Password, you cannot execute "Remove Password". In this case, you can reset the information in the SSD, including the password protection function, by executing "Revert Device". This will disable the password protection function, but all data in the SSD will be deleted, so a "Initialize Disk" will be required. Please execute "Initialize Disk" for the target SSD

using "Disk Management" in Windows, etc. before using the SSD.

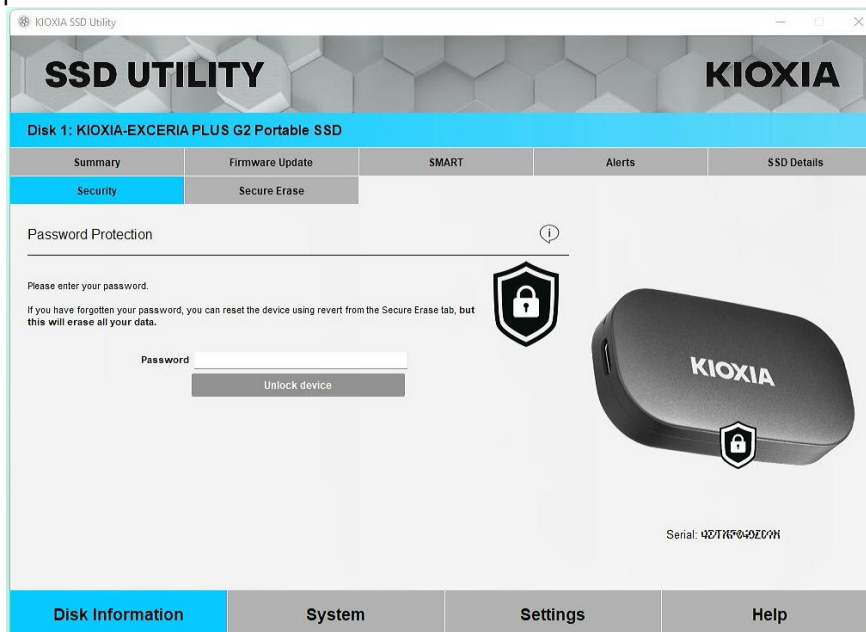


## "Change Password" procedure

- 1, Click "Disk Information" button, and then click "Security" button.

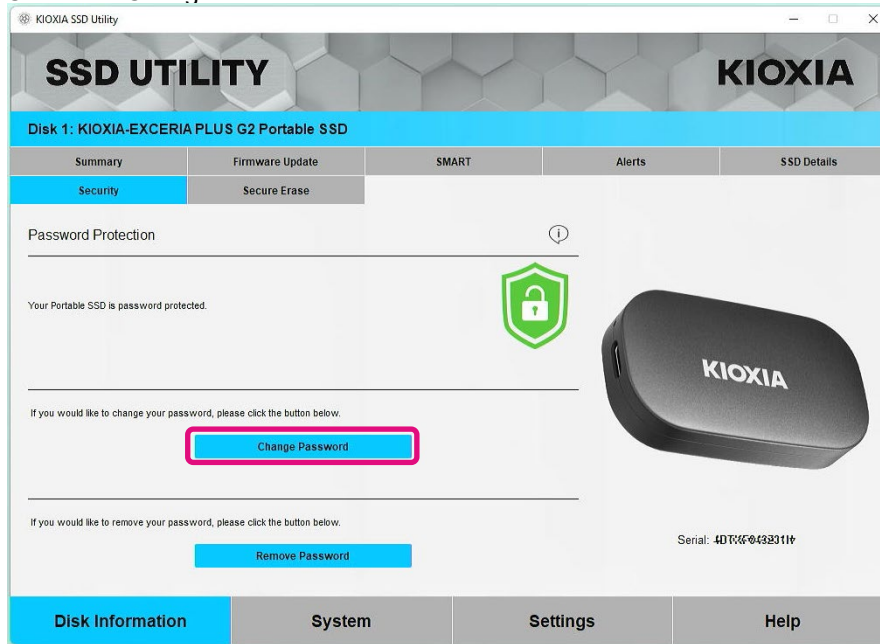


- 2, If the device is locked, the following will be displayed. Please follow the "Unlock device" procedure: to unlock the device.



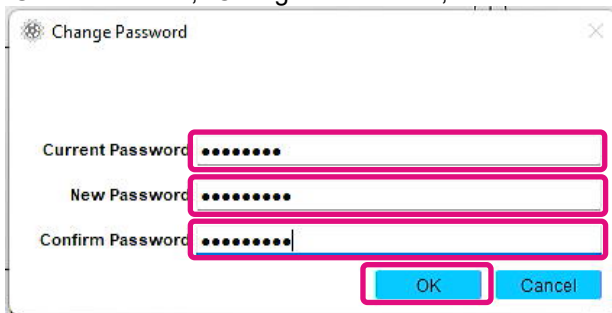
If the lock has already been unlocked, proceed to the next step.

3, Click the "Change Password" button.

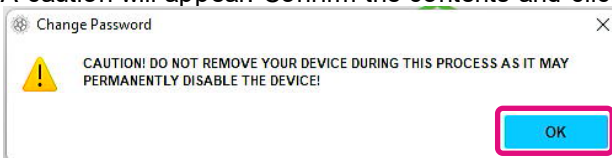


4, Enter the Current Password and New Password in the pop-up window that appears and click the "OK" button. Please note that the Password should be any 8 to 32 single-byte alphanumeric characters (a to z, A to Z, 0 to 9; spaces are not allowed).

**⚠ CAUTION:** If you lose your Password, your device will be permanently locked and you will not be able to access your user data area. Be sure to keep your Password, as you will need it to "Unlock device", "Change Password", or "Remove Password".



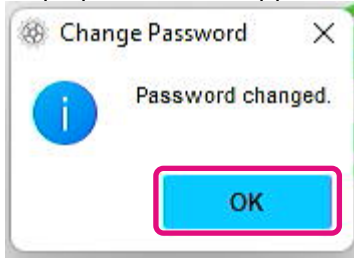
5, A caution will appear. Confirm the contents and click "OK" button.



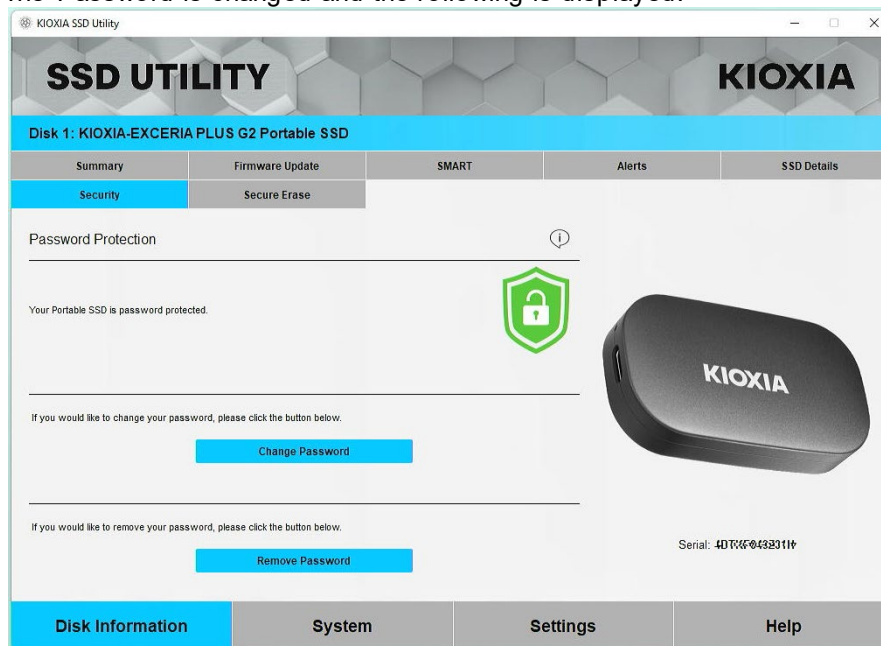
6, Password protection configuration will begin. Please wait until it is finished.

**⚠ Note:** Do not remove the device until it is finished.

7, Pop-up window will appear after the password has been changed. Click "OK" button.



8, The Password is changed and the following is displayed.

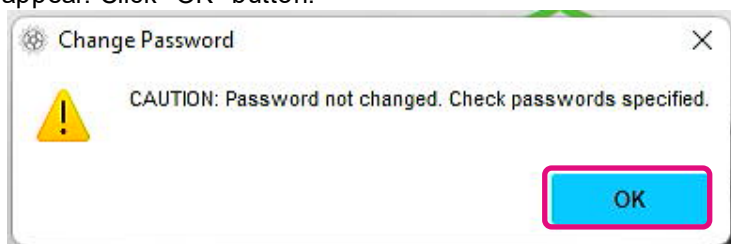


If you wish to lock the device, safely disconnect the device from the USB port and reconnect it.

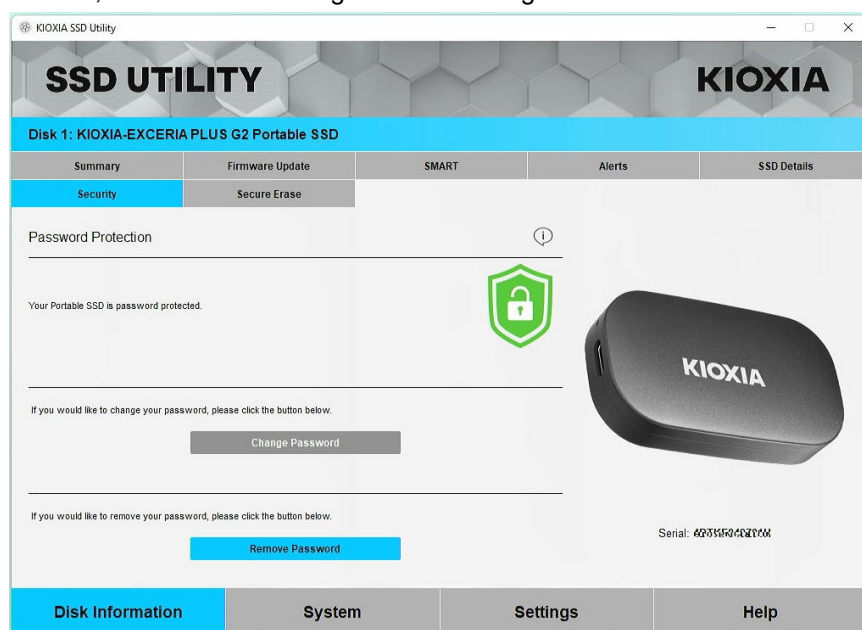
If  is displayed, the device is locked and the user data area of the device cannot be accessed.

This completes the "Change Password" procedure.

If you entered an incorrect Password during "Change Password", the following pop-up will appear. Click "OK" button.

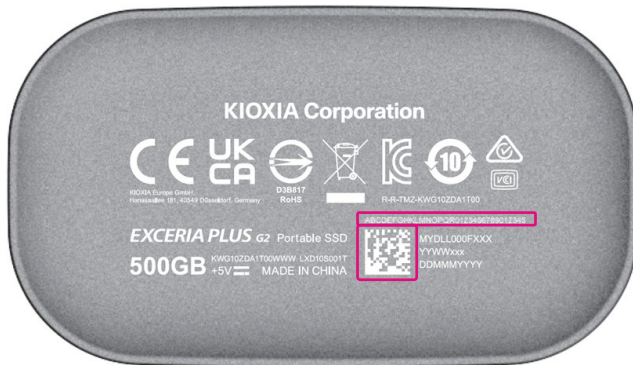


If you enter the wrong Password five times in a row, the "Change Password" button will be displayed in gray and cannot be clicked. You can reset the Maximum retries by safely disconnecting and reconnecting the device from the USB port, but the device will be locked. If you do not know your password, we recommend that you copy the data to another device before disconnecting and reconnecting the device. Reconnect the device and execute "Unlock device", then execute "Change Password" again.



If you do not know the correct Password, you cannot execute "Change Password". In this case, you can reset the information in the SSD, including the password protection function, by executing "Revert Device". This will disable the password protection function, but all data in the SSD will be deleted, so a "Initialize Disk" will be required. Please execute "Initialize Disk" for the target SSD using "Disk Management" in Windows, etc. before using the SSD.

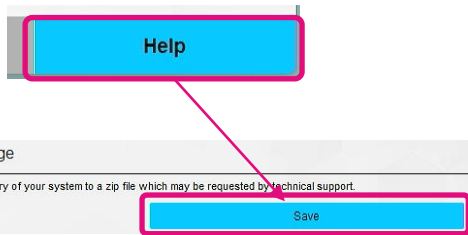
The PSID (Physical Security ID) is a security identifier assigned to each product that is required to run Revert Device. For Revert Device capable products, Revert Device by SSD Utility will forcibly unlock the password lock on the SSD and delete all data including the password.



## Target Products

| Option           | Task            | Feature                  | EXCERIA PRO SSD | EXCERIA PLUS G2 SSD | EXCERIA PLUS G3 SSD | EXCERIA PLUS G4 SSD | EXCERIA PLUS SSD | EXCERIA G2 SSD | EXCERIA SSD | EXCERIA with Heatsink SSD | EXCERIA SATA SSD | EXCERIA PLUS Portable SSD | EXCERIA PLUS G2 Portable SSD | Note |
|------------------|-----------------|--------------------------|-----------------|---------------------|---------------------|---------------------|------------------|----------------|-------------|---------------------------|------------------|---------------------------|------------------------------|------|
| Disk Information | Summary         | Capacity                 | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
|                  |                 | Health                   | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
|                  |                 | SSD's sensor temperature | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
|                  |                 | Interface                | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
|                  |                 | Host Memory Buffer       |                 |                     | ✓                   | ✓                   |                  |                |             |                           |                  |                           |                              |      |
|                  | Firmware Update | Firmware Update          | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
|                  | SMART           | SMART                    | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
|                  | Alerts          | Alerts                   | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
|                  | SSD Details     | SSD Details              | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
|                  | Security        | Password Protection      |                 |                     |                     |                     |                  |                |             |                           |                  | ✓                         | ✓                            |      |
|                  | Secure Erase    | Secure Erase             |                 |                     |                     |                     |                  |                |             |                           | ✓                | ✓                         | ✓                            |      |
|                  |                 | Revert Device            |                 |                     |                     |                     |                  |                |             |                           |                  |                           | ✓                            |      |
|                  | Format NVMe     | NVMe Format              | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         |                  |                           |                              |      |
| System           | -               | System Details           | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
| Settings         | -               | Language                 | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
|                  |                 | Logging                  | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
|                  |                 | Monitoring               | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
| Help             | -               | Contact us               | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
|                  |                 | About SSD Utility        | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |
|                  |                 | Save Support Package     | ✓               | ✓                   | ✓                   | ✓                   | ✓                | ✓              | ✓           | ✓                         | ✓                | ✓                         | ✓                            |      |

## List of Error Messages

| SSD Utility Error Message                                                                                                    | When the error messages is displayed       | Description of error message and how to address                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unable to run SSD Utility as there is already a copy running on this system                                                  | At the startup of SSD Utility execution    | <p>The SSD Utility is already running. Multiple SSD Utilities cannot be run at the same time.</p> <p>Close the pop-up window with this message, and then from the menu of the SSD Utility icon in the notification area of the taskbar.</p> <p>Select "Show KIOXIA SSD Utility" to display the SSD Utility that has already been run.</p>  |
| Secure erase failed                                                                                                          | During "Secure Erase"                      | <p>The "Secure Erase" has not been completed correctly. If you still cannot Secure Erase after trying again, try connecting to another port.</p> <p>If you still cannot Secure Erase after taking the above measures, please contact our KIOXIA Customer Support.</p>                                                                                                                                                        |
| Firmware update failed                                                                                                       | During firmware update                     | <p>The firmware update has not been completed correctly. If you still cannot update firmware after trying again, try connecting to another port.</p> <p>If you still cannot update the firmware after taking the above measures, please contact KIOXIA Customer Support.</p>                                                                                                                                                 |
| Unexpected error, please send a support package                                                                              | All display screens within the SSD Utility | <p>Please send your support package to KIOXIA Customer Support.</p> <p>You can save the support package (zip file) by following these steps.</p> <p>Click on the "Save" button under "Save Support Package" in the "Help" option.</p>                                                                                                    |
| Please reinstall SSD Utility immediately.                                                                                    | At the startup of SSD Utility execution    | <p>It is likely that an important file required to execute the SSD Utility is corrupted/missing.</p> <p>Please uninstall the SSD Utility and then reinstall it.</p>                                                                                                                                                                                                                                                          |
| Maximum retries exceeded, power cycle drive by removing from USB port and reinserting, to try again.                         | During "Unlock Device"                     | The device could not be unlocked because you entered the wrong password consecutively. Please safely remove the affected drive from the USB port, re-insert it, and retry "Unlock Device" again.                                                                                                                                                                                                                             |
| Password settings of your Portable SSD are in an unknown state. Power cycle drive by removing from USB port and reinserting. | During "Set Password" for portable SSD     | Safely remove the drive from the USB port and reinsert it, then retry "Set Password".                                                                                                                                                                                                                                                                                                                                        |
| Password Incorrect                                                                                                           | During "Unlock Device"                     | The password you entered is incorrect. Please close the pop-up and enter the correct password.                                                                                                                                                                                                                                                                                                                               |
| Failed to configure Password Protection. Please contact technical support.                                                   | After "Set Password"                       | There is some possibility that "Set Password" has failed. Please try "Remove Password". If you cannot "Remove Password", please contact KIOXIA Customer Support.                                                                                                                                                                                                                                                             |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Revert Device did not complete successfully. Please check the PSID and try Revert Device again.                                                                                                                                                                                  | During "Revert Device" | <p>This message appears when "Set Password" cannot be executed because the configuration information inside the SSD is corrupted.</p> <p>For example, this may be due to "a problem that occurred during the Revert Device process in the past and it failed in the middle of the process."</p> <p>If the "Revert Device" has failed in the past, please make sure that the SSD in question is securely connected to the USB port with a proper USB cable, and then run the "Revert Device" again. (It is also possible that there is a problem with the USB port, so it is recommended to reconnect to a different USB port and then run "Revert Device" again.)</p> |
| <p>Failed to Set Password. Please reconnect your device and use Revert Device to clear any failed passwords before trying to Set Password again.</p> <p>NOTE: If you want to preserve any data on the device you should copy it off the device before calling Revert Device.</p> | During "Set Password"  | <p>This message appears when "Set Password" cannot be executed because the configuration information inside the SSD is corrupted.</p> <p>For example, this may be due to "a problem that occurred during the Revert Device process in the past and it failed in the middle of the process."</p> <p>If the "Revert Device" has failed in the past, please make sure that the SSD in question is securely connected to the USB port with a proper USB cable, and then run the "Revert Device" again. (It is also possible that there is a problem with the USB port, so it is recommended to reconnect to a different USB port and then run "Revert Device" again.)</p> |

| <b>Bootable Media Error Message</b>  | <b>When the error messages is displayed</b>                             | <b>Description of error message and how to address</b>                                                                                                                                                                                                                          |
|--------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Serial number xxxxxxxxxxxx not found | When booting from a USB flash drive with Bootable Media already created | <p>The SSD selected when Bootable Media was created could not be found.</p> <p>Please make sure the SSD you selected when creating Bootable Media is connected to your computer. If there are unsupported SSDs connected to the computer, please remove them and try again.</p> |
| Segmentation fault                   | When booting from a USB flash drive with Bootable Media already created | <p>There is some possibility that the Bootable Media program is not running properly.</p> <p>If unsupported SSDs are connected to your computer, please remove them and try again.</p>                                                                                          |



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