

# ModeChanger

ModeChanger is a software utility that can switch the drive between normal mode and encrypted mode.

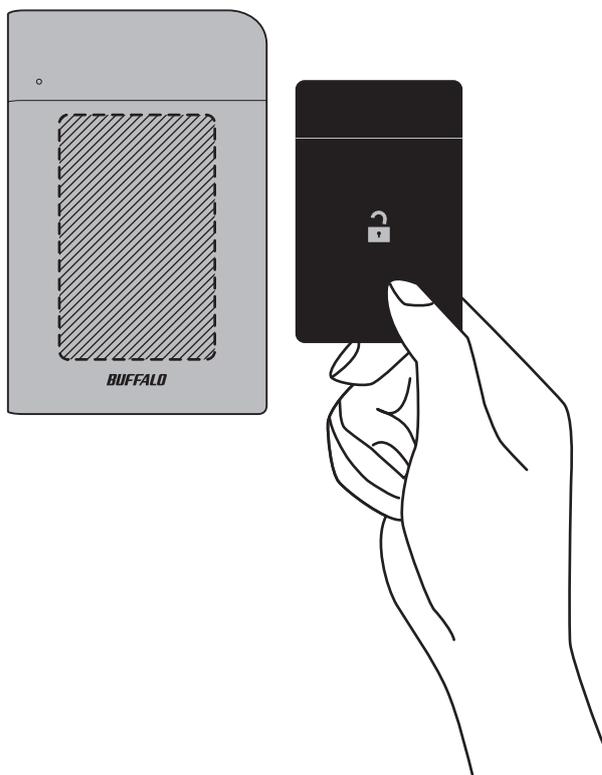
Operating in encrypted mode will help protect your data. While the drive is in encrypted mode, data saved to the drive will be encrypted, and user authentication will be required to open the drive. The drive will be authenticated by entering the password or reading the registered smart card or mobile device.

When operating in normal mode, user authentication will not be required to open the drive.

The drive will be in normal mode by default. To use the drive in encrypted mode, configure the user authentication settings.

## Notes:

- Some drive operations such as authentication will utilize the OPEN\_HS application.
- Connect only one HD-PZNU3 at a time.
- The icons and the message windows shown in this manual might be different from the actual ones depending the operating system you use.
- If using a smart card or mobile device for authentication, hold it over the drive as pictured below.



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## Caution

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- Changing the mode will delete all files on this drive. Back up your data before switching modes.
- Once you set a password, or register a smart card or mobile device, keep it secure.  
Anyone who has access to your password, smart card, or mobile device can access your data.
- If you lose the registered smart card or mobile device, or forget your password, you will not be able to access your data. You will need to initialize the drive to reset the authentication settings. If you initialize, all data on the drive will be lost. For more information on initialization, refer to the "Initialization" section below.

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# Installation

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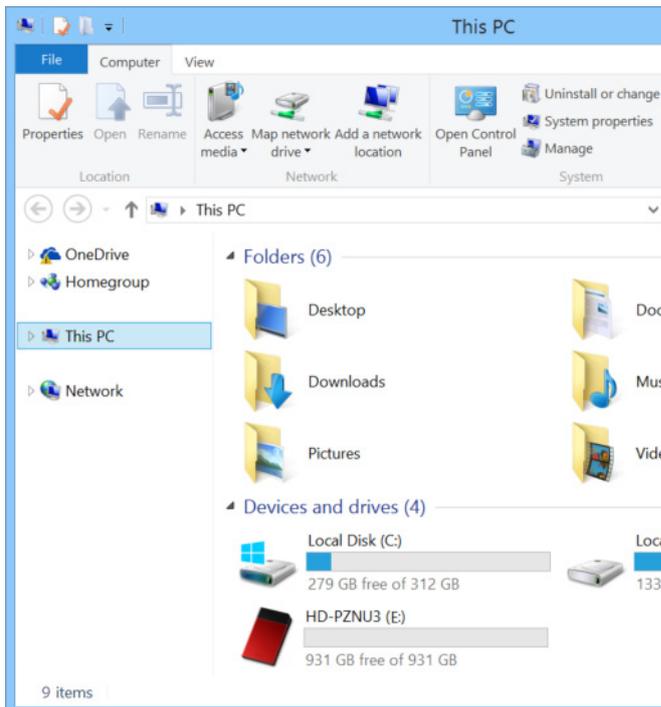
To install ModeChanger, follow the instructions below.

The instructions below refer to the installer file included on the drive by default. If the installer file is deleted from the drive, you can download it again from the download page (<http://d.buffalo.jp/hd-pznu3/>).

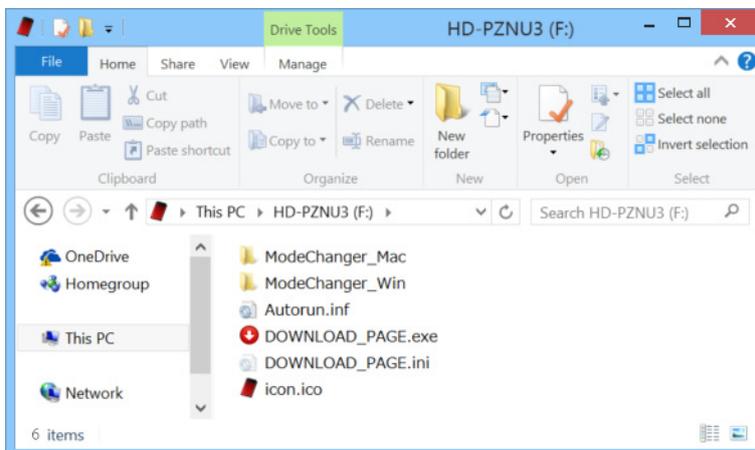
## Windows

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- 1 Connect the drive to your device.
- 2 Double-click the drive in [This PC] or [Computer].

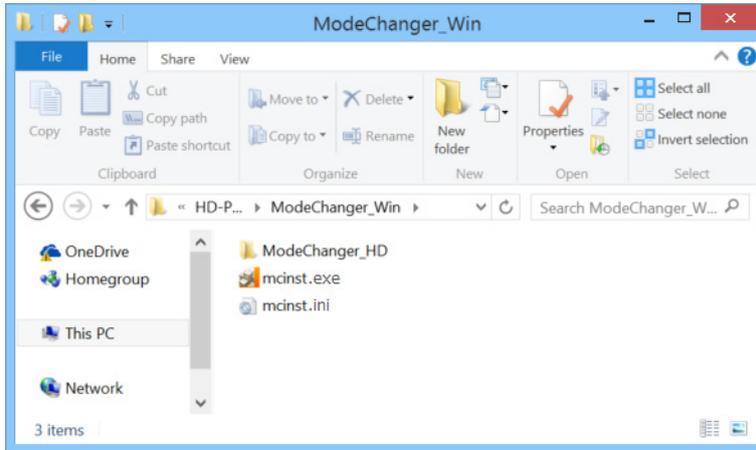


- 3 Double-click the folder "ModeChanger\_Win".

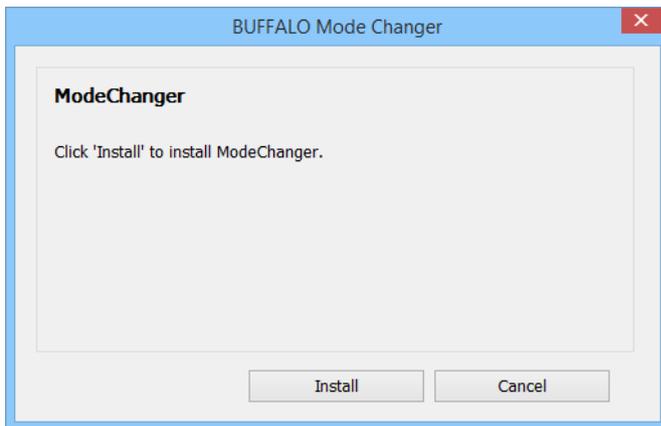


4 Double-click "mcinst.exe".

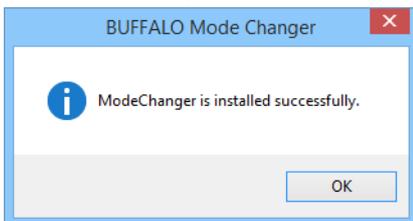
Note: If "User Account Control" appears, click [Yes].



5 Click [Install].



The installation process is now finished.

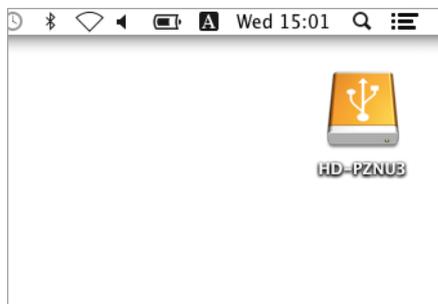


# Mac

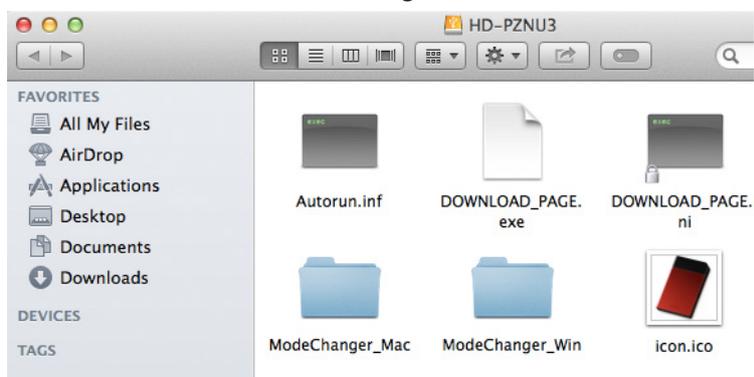
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**1** Connect the drive to your device.

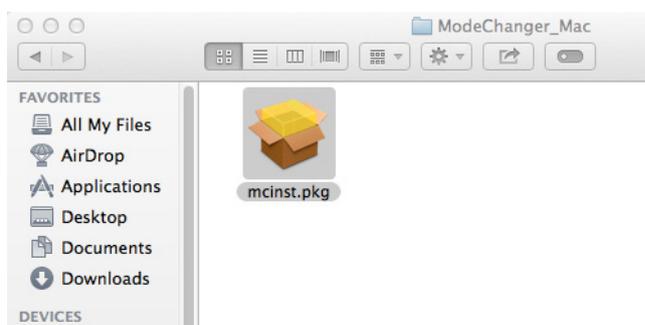
**2** Double-click the drive on the desktop.



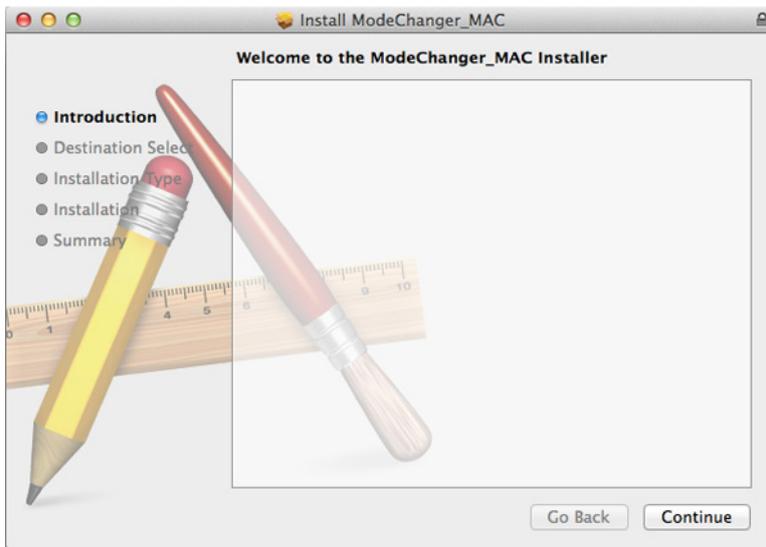
**3** Double-click the folder "ModeChanger\_Mac".



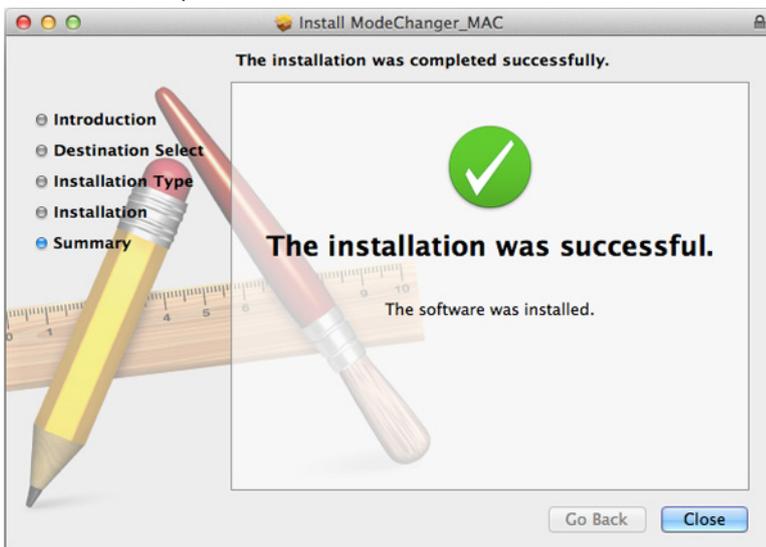
**4** Double-click "mcinst.pkg".



5 Step through the wizard to finish the installation process.



The installation process is now finished.



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# Changing the Drive to Normal Mode

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To switch the drive from encrypted mode to normal mode, follow the procedure below.

**Notes:**

- **Changing the mode will delete all files on this drive. Back up your data before switching modes.**
- When using Windows, the drive will be formatted with NTFS. When using Mac OS, the drive will be formatted with Mac OS Extended.

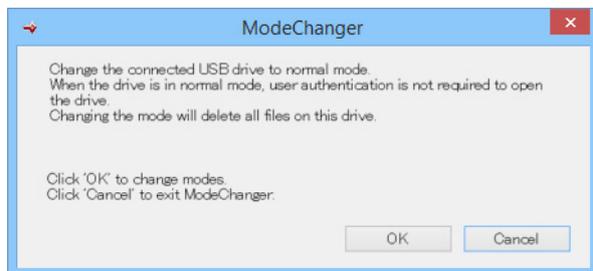
**1** Connect the drive to your device.

**2** Launch ModeChanger.

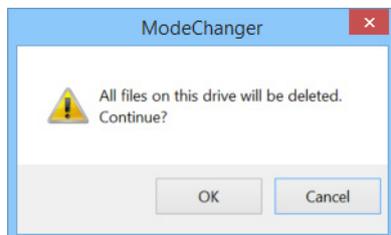
For Windows, double-click [ModeChanger] on the desktop.  
For Mac, select [Go] - [Applications] - [ModeChanger\_MAC].

**Note:** If "User Account Control" appears, click [Yes].

**3** Click [OK].

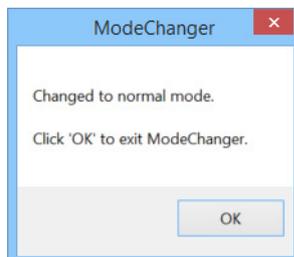


**4** Click [Yes].



**Note:** If using Mac OS, the "Do you want to use (volume name) to back up with Time Machine?" message will be displayed for several seconds while changing modes. Ignore this message window.

**5** Click [OK].



The process is now finished.

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# Changing the Drive to Encrypted Mode

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To switch the drive from normal mode to encrypted mode, follow the procedure below.

**Note: Changing the mode will delete all files on this drive. Back up your data before switching modes.**

**1** Connect the drive to your device.

**2** Launch ModeChanger.

For Windows, double-click [ModeChanger] on the desktop.

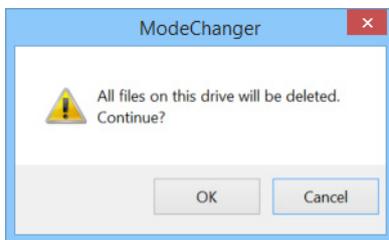
For Mac, select [Go] - [Applications] - [ModeChanger\_MAC].

**Note:** If "User Account Control" appears, click [Yes].

**3** Click [OK].



**4** Click [OK].

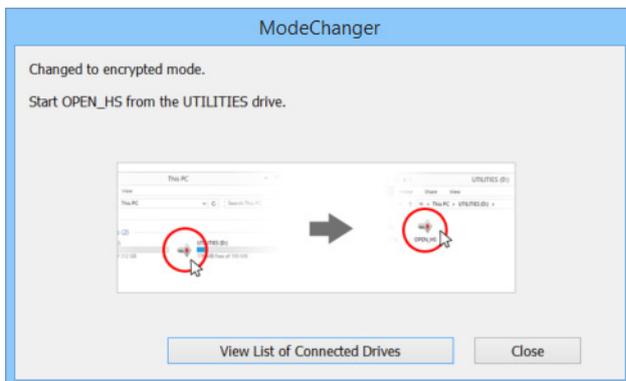


**Note:** If using Mac OS, the "Do you want to use (volume name) to back up with Time Machine?" message will be displayed for several seconds while changing modes. Ignore this message window.

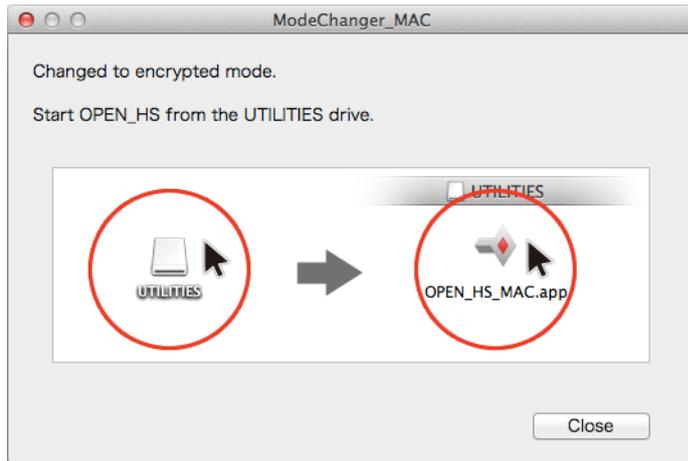
**5** The window below will be displayed after the drive switches to encrypted mode.

Click [Close]. After the window closes, you will need to set up authentication. Refer to the "Configuring Authentication Settings" section below for more information.

## Windows



## Mac



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## Accessing a Drive in Encrypted Mode

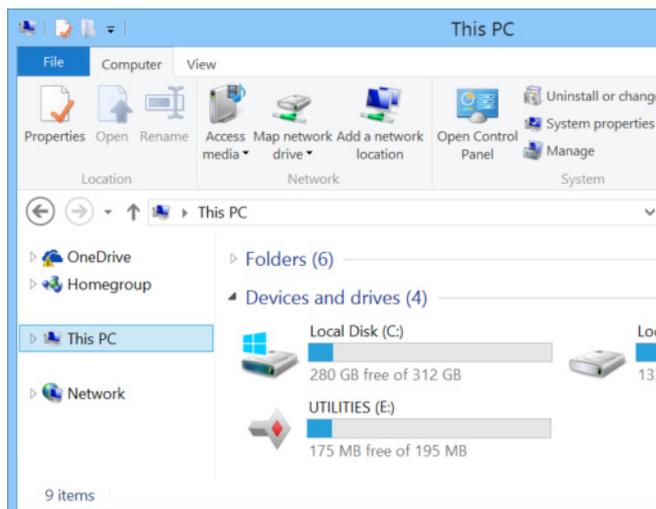
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While the drive is in encrypted mode, access the data on the drive as below.

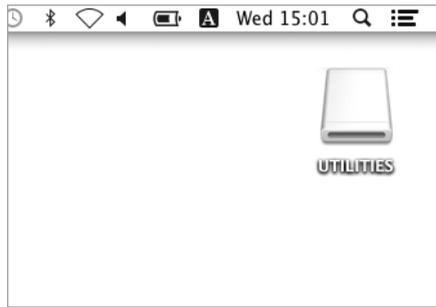
**Note:** If this is the first time you are accessing the drive in encrypted mode, you will be prompted to set up authentication once you open the drive. For more information on configuring authentication, refer to the "Configuring Authentication Settings" section below.

- 1 Connect the drive to your device.
- 2 For Windows, double-click the drive "UTILITIES" in [Computer] or [PC].  
For Mac, double-click the drive "UTILITIES" on the desktop.

## Windows

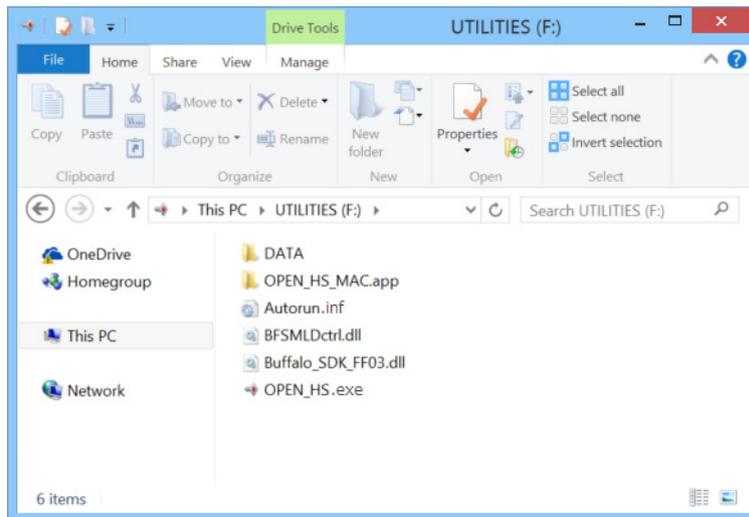


## Mac

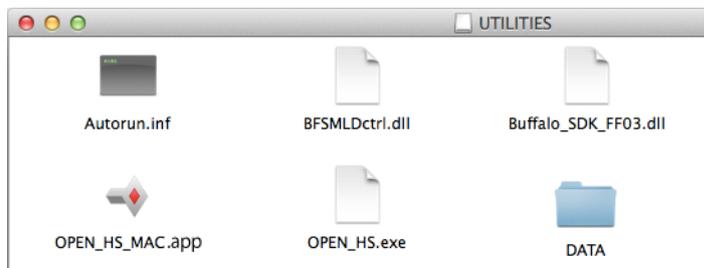


- 3** For Windows, double-click [OPEN\_HS.exe]. For Mac, double-click [OPEN\_HS\_MAC.app].

## Windows



## Mac



#### 4 The authentication window will be displayed.

The authentication window will be different depending on the authentication method you chose. Step through the wizard to finish the authentication process.

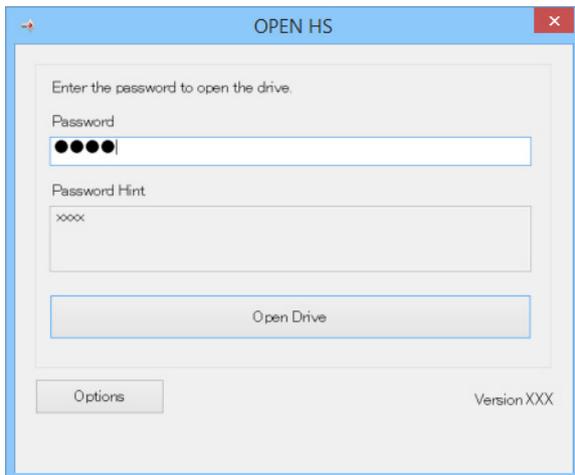
##### When smart card or mobile device authentication is required

If the window below is displayed, hold the registered smart card or mobile device over a specific area on the product.



##### When password authentication is required

If the window below is displayed, enter the password, and click [Open Drive].



**Notes:**

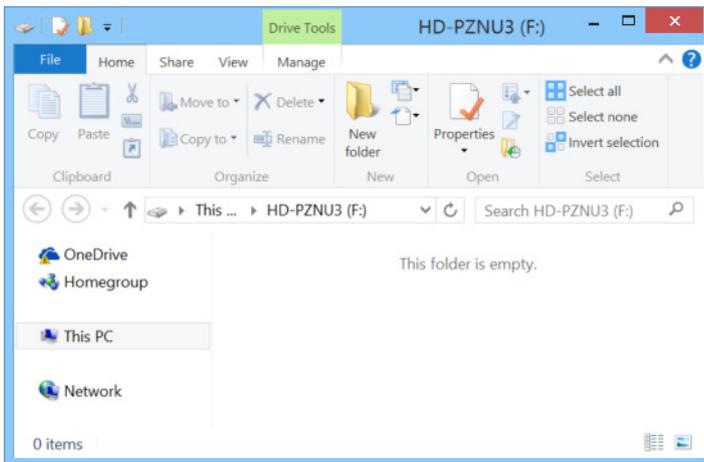
- If you can authenticate with either a password, a smart card, or a compatible mobile device, click [Change Authentication Method] to change the authentication method.



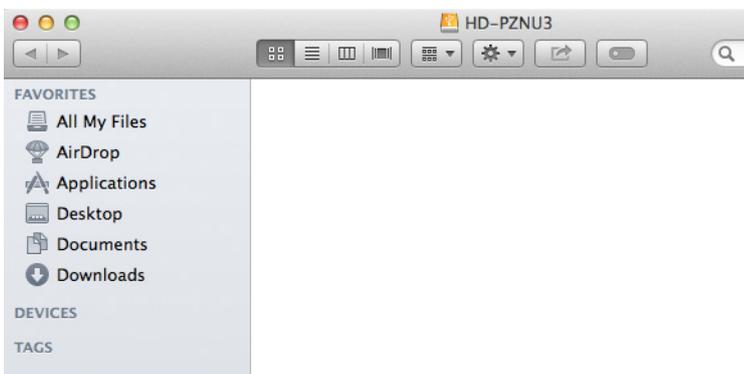
- After 10 unsuccessful login attempts, the authentication window will close. To open the authentication window, start again from step 2 above.

The drive will open. The process is now finished.

**Windows**



**Mac**



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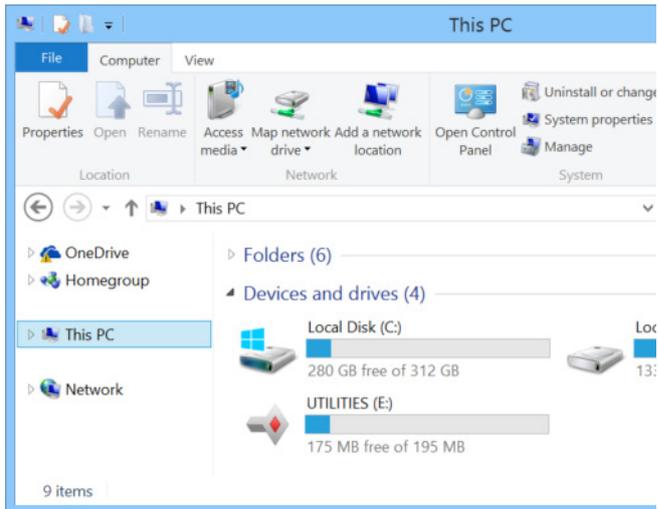
# Configuring Authentication Settings

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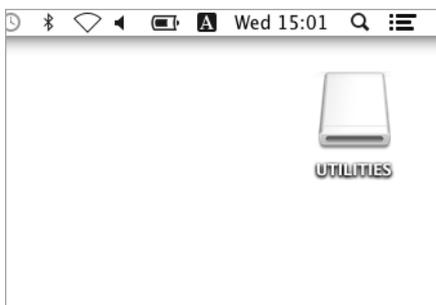
If the drive has been switched to encryption mode but authentication has not been set up yet, follow the procedure below.

- 1 Make sure the drive is connected to your device.
- 2 For Windows, double-click the drive "UTILITIES" in Computer or PC.  
For Mac, double-click the drive "UTILITIES" on the desktop.

## Windows

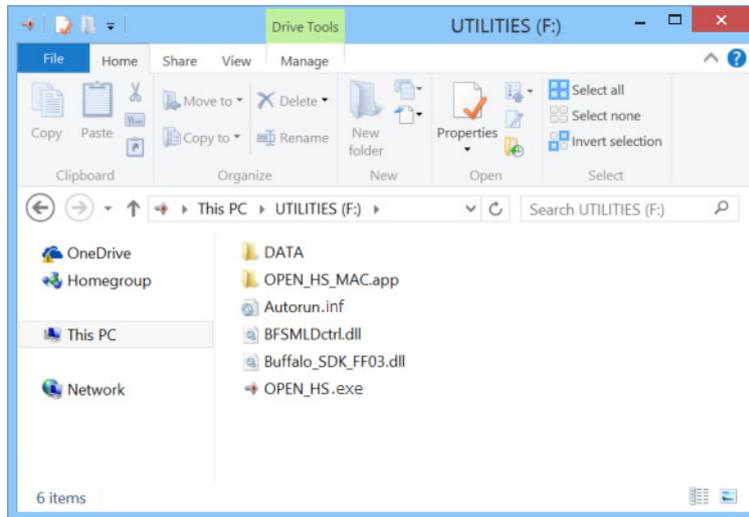


## Mac

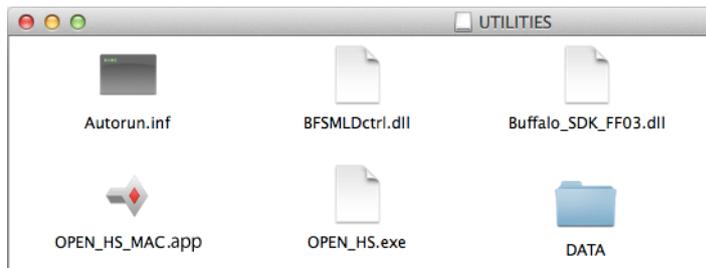


**3** For Windows, double-click [OPEN\_HS.exe]. For Mac, double-click [OPEN\_HS\_MAC.app].

### Windows



### Mac



## 4 Choose an authentication method and click [Next].



[Use either a password, a smart card, or a compatible mobile device for authentication. (Recommended)]	Register a password, smart card, or mobile device. The drive will be authenticated by entering the password or reading the registered smart card or mobile device.
[Use a password and either a smart card or a compatible mobile device for authentication.]	Register a password, and a smart card or mobile device. The drive will be authenticated by entering the password and reading the registered smart card or mobile device.
[Use only a smart card or a compatible mobile device for authentication.]	Register either a smart card or a mobile device. The drive will be authenticated by reading the registered smart card or mobile device.
[Use only a password for authentication.]	Register a password. The drive will be authenticated by entering the password.

### Notes:

- If you lose the registered smart card or mobile device, or forget your password, you will not be able to access your data. You will need to initialize the drive to reset the authentication settings. If you initialize, all data on the drive will be lost. For more information on initialization, refer to the "Initialization" section below.
- Only one password and one smart card or mobile device can be registered to the drive.
- HD-PZNU3 is not compatible with all mobile devices that utilize near field communication.

**5** Register a password and/or either a smart card or a mobile device.

The registration window will be different depending on the authentication method you chose. Step through the wizard to finish the registration process.

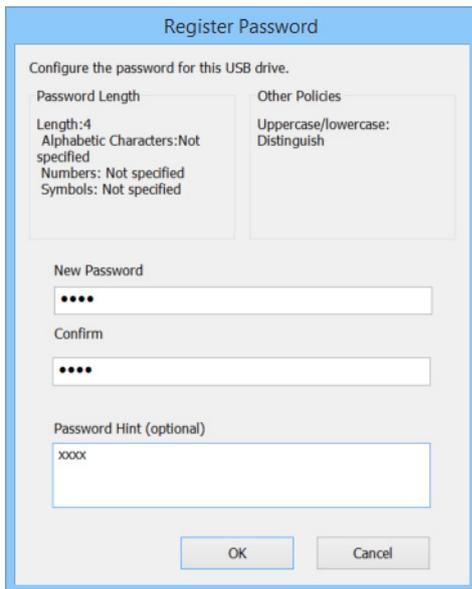
**Registering a smart card or a mobile device**

If the window below is displayed, hold the smart card or mobile device you want to register over a specific area on the product.

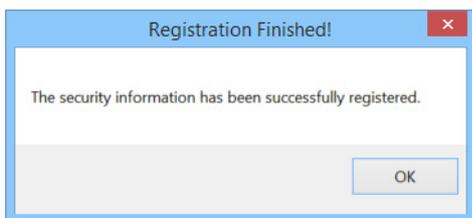


**Registering a password**

If the window below is displayed, enter the password and click [OK]. You can also enter a hint, which will appear on the password authentication window when authenticating. Entering the hint is optional.



**6** Click [OK].



Registration is now finished.

Next, the authentication window will open. Follow the procedure from step 4 of the "Accessing a Drive in Encrypted Mode" section above to open the drive .

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# Changing Authentication Settings

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You can change authentication settings from the "Options" window. Follow the instructions below to open "Options" window.

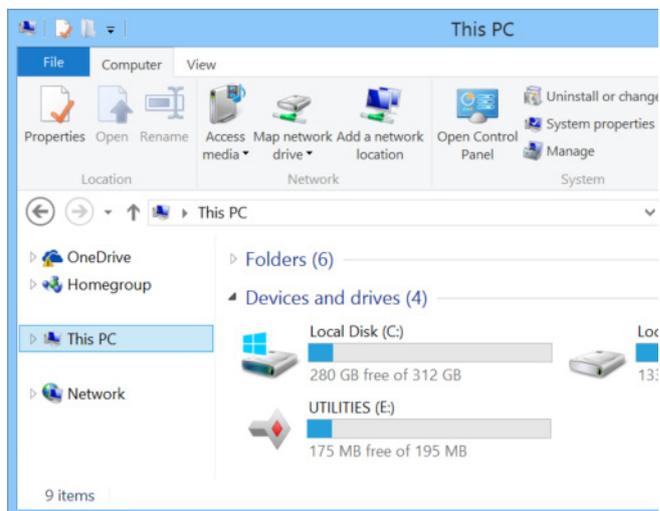
## Opening "Options" Window

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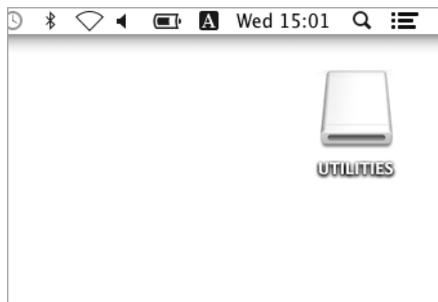
To open "Options" window, follow the instructions below.

- 1 Connect the drive to your device.
- 2 For Windows, double-click the drive "UTILITIES" in [Computer] or [PC].  
For Mac, double-click the drive "UTILITIES" on the desktop.

### Windows

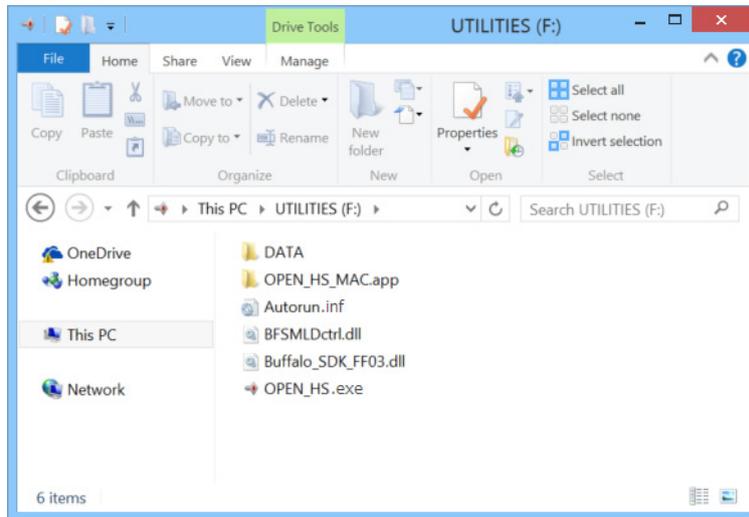


### Mac

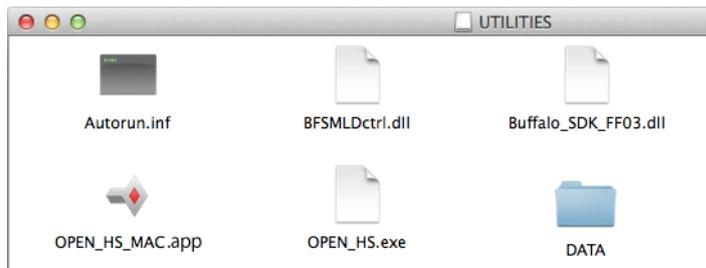


**3** For Windows, double-click [OPEN\_HS.exe]. For Mac, double-click [OPEN\_HS\_MAC.app].

### Windows



### Mac



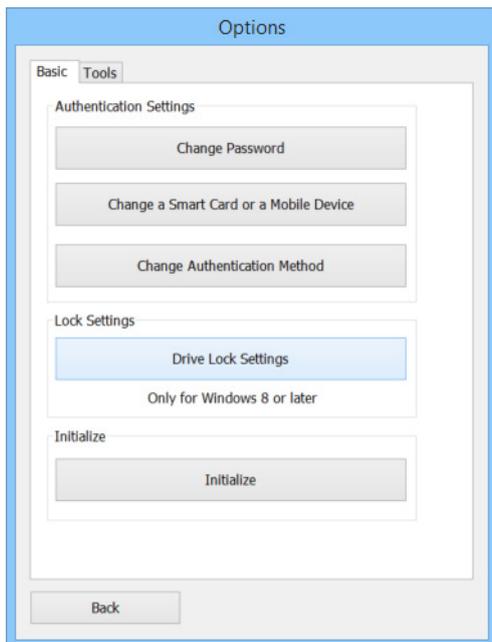
**4** Click [Options] on the authentication window.

**Note:** The authentication window will be different depending on the authentication method you chose.

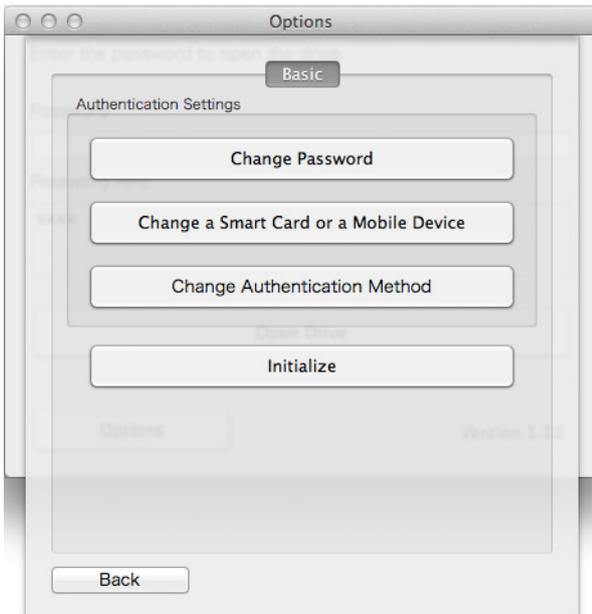


"Options" window is now displayed.

## Windows



## Mac

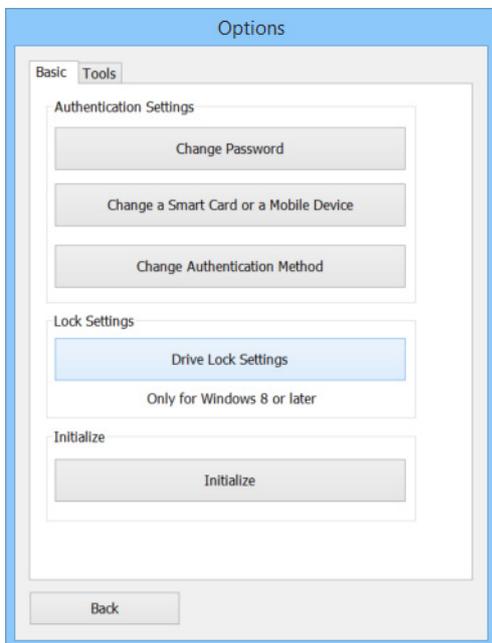


## Changing the Password

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To change the password, follow the instructions below.

- 1 Open "Options" windows.
- 2 Click [Change Password].



**3** Enter the current and new password, then click [OK].

If authentication was configured to require the password and either the smart card or mobile device, the window for smart card or mobile device authentication will appear before changing the password. If it appears, hold the registered smart card or mobile device over a specific area on the product.

Change Password

Enter the current and new password.

Password Length  
Length:4  
Alphabetic Characters:Not specified  
Numbers: Not specified  
Symbols: Not specified

Other Policies  
Uppercase/lowercase:  
Distinguish

Current Password  
.....

Current Hint  
xxxx

New Password  
.....

Confirm Password  
.....

Password Hint (optional)  
xxxx

OK Cancel

**4** The window below will be displayed once the new password is registered. Click [OK].

Change Password

Password changed successfully.

OK

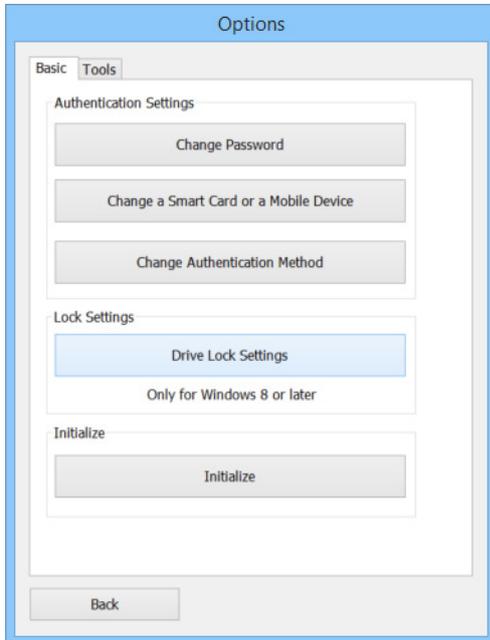
The process is now finished.

## Changing a Smart Card or a Mobile Device

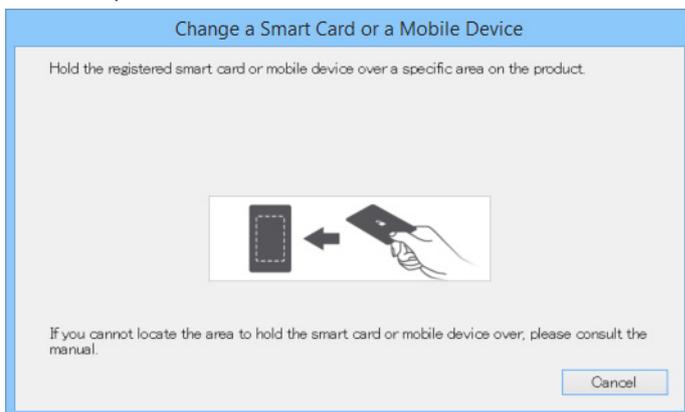
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To change to a new smart card or mobile device, follow the instructions below.

- 1 Open "Options" windows.
- 2 Click [Change a Smart Card or a Mobile Device].



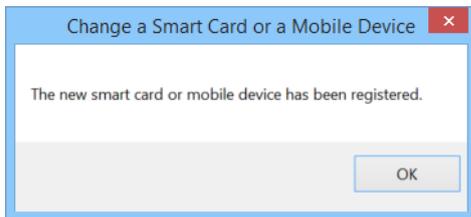
- 3 Hold the registered smart card or mobile device over a specific area on the product.  
If authentication was configured to require the password and either the smart card or mobile device, the window for password authentication will appear after smart card or mobile device authentication. If it appears, enter the password.



- 4 Hold the new smart card or mobile device over a specific area on the product.



- 5 The window below will be displayed once the new smart card or mobile device is registered. Click [OK].



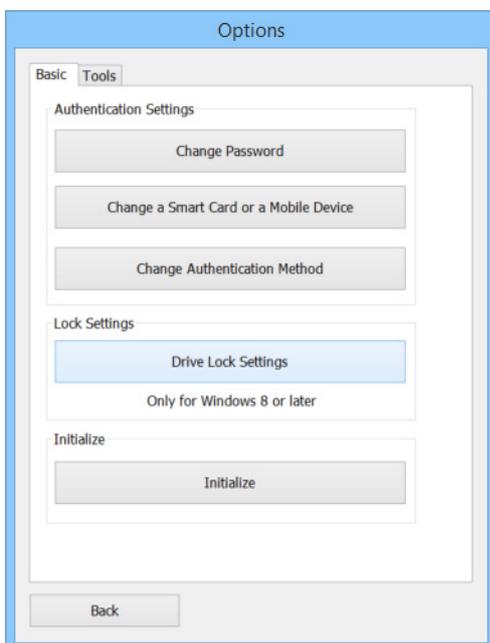
The process is now finished.

## Changing the Authentication Method

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To change the authentication method, follow the instructions below.

- 1 Open "Options" windows.
- 2 Click [Change Authentication Method].



### 3 The authentication window will be displayed.

The authentication window will be different depending on the authentication method you chose.

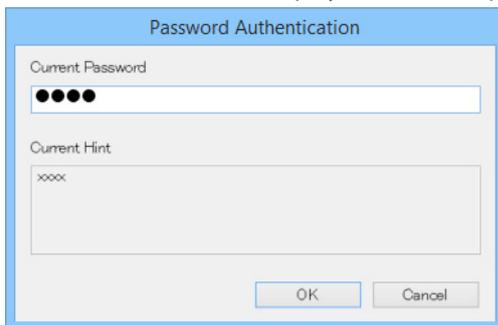
#### When smart card or mobile device authentication is required

If the window below is displayed, hold the registered smart card or mobile device over a specific area on the product.



#### When password authentication is required

If the window below is displayed, enter the password and click [OK].



**Note:** If you can authenticate with either a password, a smart card, or a compatible mobile device, you can change the authentication method from the window below.



## 4 Change the new authentication method.

Follow the procedure from step 4 of the "Configuring Authentication Settings" section above.



## Displaying the Authentication Window Automatically (Windows Only)

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Install Auto-Launch Tool to have your computer automatically display the authentication window when the USB drive is connected.

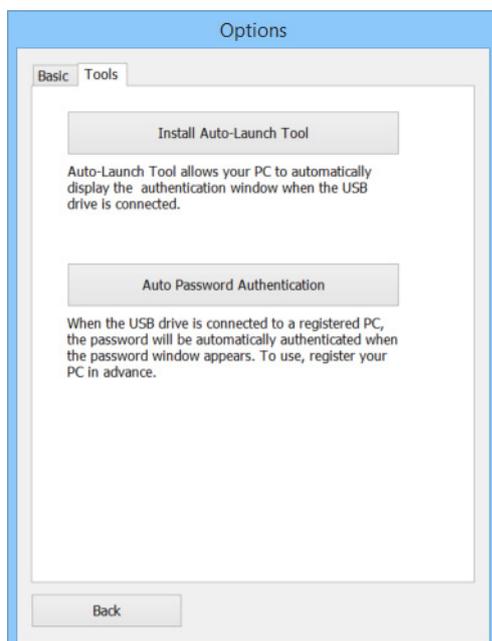
### Notes:

- When you enable this function, if only the password is required for authentication and the drive has been registered to the computer as described in the "Authenticating the Password Automatically" section, you can access the drive without authenticating.
- If you are logged in using a guest account, you cannot install Auto-Launch Tool.

## Installing Auto-Launch Tool

To install Auto-Launch Tool, follow the instructions below.

- 1 Open "Options" windows.
- 2 Click the [Tools] tab, and click [Install Auto-Launch Tool].



**3** Step through the wizard to finish the installation.  will be appear in the task tray.



The process is now finished.

## Disabling Auto-Launch Tool

Right-click  in the task tray, and select "Exit".



**Note:** To enable Auto-Launch Tool, follow the instructions below.

### Windows 10/8.1/8:

Reboot you computer.

### Windows 7/Vista:

Select [Start]-[All Programs]-[Startup]-[Auto-Launch Tool].

## Uninstalling Auto-Launch Tool

Right-click  in the task tray, and select "Uninstall".



**Note:** When the drive is connected to your device, you can uninstall as below.

- (1) Open "Options" windows.
- (2) Click the [Tools] tab, and click [Uninstall Auto-Launch Tool].
- (3) Step through the wizard to finish the uninstallation process.

## **Authenticating the Password Automatically (Windows Only)**

If you register the drive to the computer, the password will be automatically authenticated when the password window appears.

A registered smart card or mobile device cannot be authenticated automatically.

**Note:** When you register the drive to the computer, if only the password is required for authentication and Auto-Launch Tool has been installed as described in the "Displaying the Authentication Window Automatically" section, you can access the drive without authenticating.

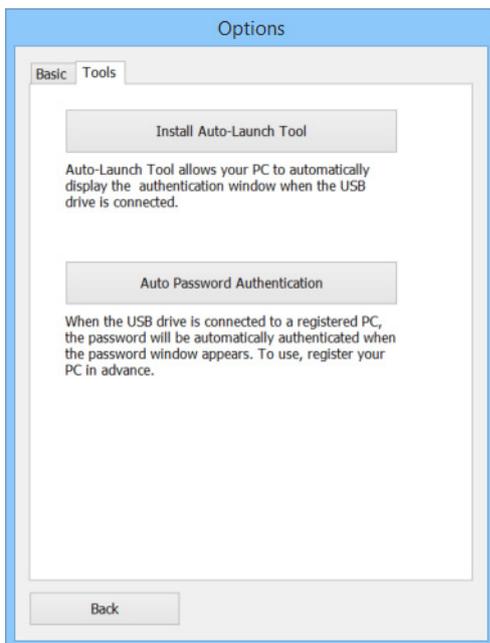
### **Registering the Drive to a Computer**

To register the drive to the computer, follow the procedure below.

**Notes:**

- Up to three computers (three user accounts) can be registered to the drive.
- If using multiple HD-PZNU3 units or similar drives with encryption, up to ten drives can be registered for one user account.

- 1** Open "Options" window.
- 2** Click the [Tools] tab, and click [Auto Password Authentication].



**3** Enter the password and click [Open Settings].

Auto Password Authentication

Auto password authentication automatically confirms the password when the password authentication window appears. To use this, configure the password in advance.

Password  
••••

Password hint  
xxxx

Open Settings

Cancel

**4** Click [Register or Delete Drive].

Auto Password Authentication Settings

Register or Delete Drive

Confirm or Delete Registered Drive

Cancel

**5** Enter a name into the "Drive Name" field, and click [Register].  
You can identify the multiple registrations using the drive name.

Register or Delete Drive

Auto Password Authentication

PC Name xxxxx

Drive Name xxxxx Register

Enter 4-16 characters for the drive name and click 'Register'. Existing registered PCs will not be overwritten.

PCs registered to this USB drive (up to 3 PCs)

PC Name	Username	Registered ...
xxxx	xxxx	2015/02/0...

To delete registration, select the PC and click 'Delete'.

Delete

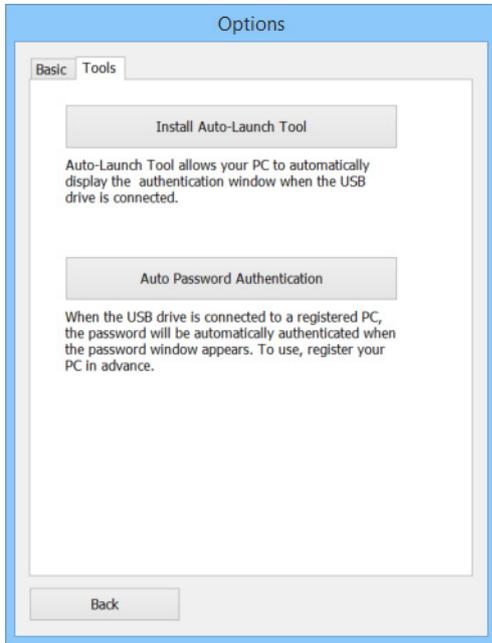
Close

The process is now finished.

## Deleting a Registered Computer

To remove a registered computer, follow the procedure below.

- 1 Open "Options" windows.
- 2 Click the [Tools] tab, and click [Auto Password Authentication].



- 3 Enter the password and click [Open Settings].



- 4 Click [Register or Delete Drive].



- 5** You can see all computers which the drive is registered to. Select a "PC Name" for the drive which you want to remove from the list, and click [Delete].

The "PC Name" is the name of your computer.

**Note:** If you change the name of your computer later, the PC name entered here will not change.

Register or Delete Drive

Auto Password Authentication

PC Name

Drive Name

Enter 4-16 characters for the drive name and click 'Register'. Existing registered PCs will not be overwritten.

PCs registered to this USB drive (up to 3 PCs)

PC Name	Username	Registered ...
xxxx	xxxx	2015/02/0...

To delete registration, select the PC and click 'Delete'.

The process is now finished.

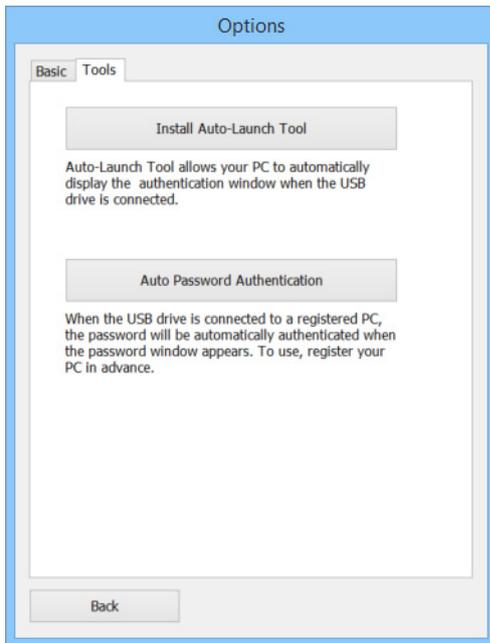
## Deleting Multiple Registered Drives

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To delete multiple registered drives at the same time, follow the procedure below.

From the settings window, you can see all drives registered with your computer. You can select multiple drives to be deleted.

- 1 Open "Options" windows.
- 2 Click the [Tools] tab, and click [Auto Password Authentication].



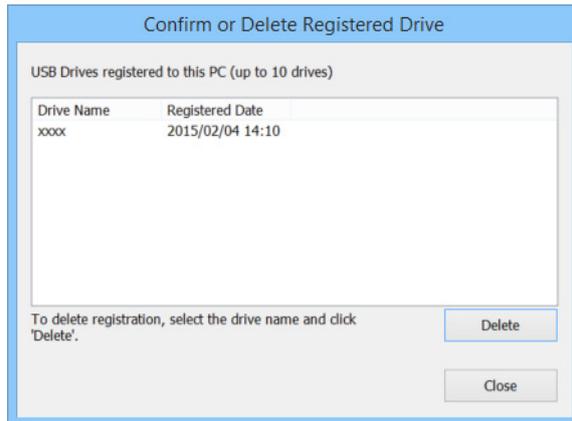
- 3 Enter the password and click [Open Settings].



- 4 Click [Confirm or Delete Registered Drive].



- 5** You can see all drives registered with your computer. Select a "Drive Name" for the drive which you want to remove from the list, and click [Delete].



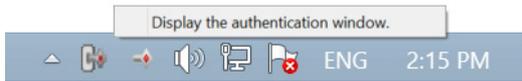
The process is now finished.

# Opening "Options" Window (When Using Auto Password Authentication)

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When you are using Auto Password Authentication, open the "Options" window as below.

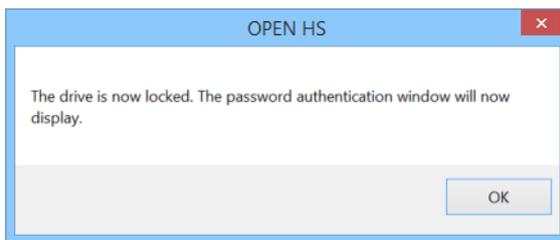
- 1 Right-click  in the task tray, and select "Display the authentication window."



- 2 Click [OK].

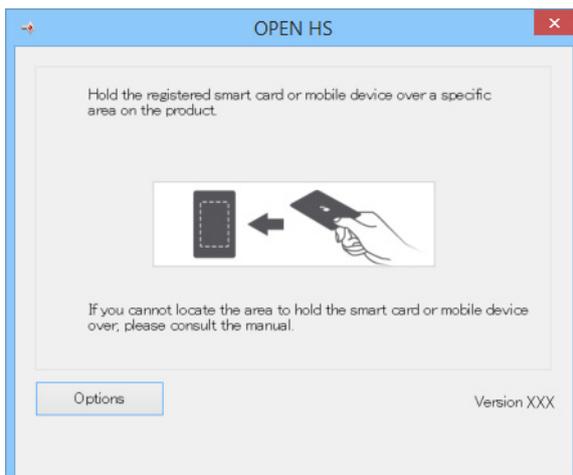


- 3 Click [OK].



- 4 Click [Options] on the authentication window.

**Note:** The authentication window will be different depending on the authentication method you chose.



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## Forgotten Password or Lost the Registered Smart Card or Mobile Device

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If you lose the registered smart card or mobile device, or forget your password, you will not be able to access your data. You will need to initialize the drive to reset the authentication settings. If you initialize, all data on the drive will be lost. For more information on initialization, refer to the "Initialization" section below.

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## Initialization

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### Caution

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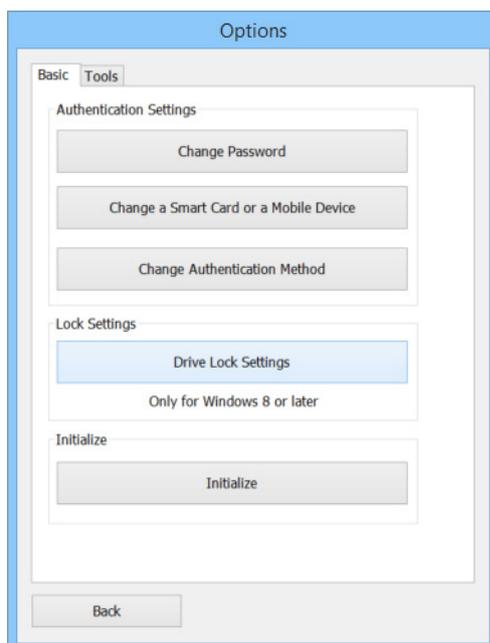
- Never unplug, reset, or turn off the computer during the formatting process.
- Formatting will erase all data on the disk. Before formatting, back up any data.
- Before initializing the drive, configure your computer so that it will not go into sleep mode. If your computer goes into sleep mode during the process, the drive will not be initialized correctly.

### Initializing the Drive

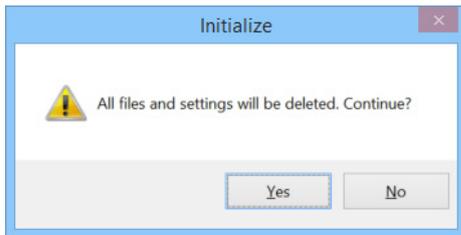
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To initialize the drive, follow the procedure below.

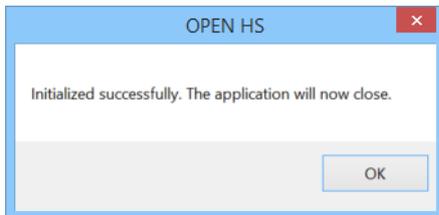
- 1** Connect the drive to your device.
- 2** Open "Options" windows.
- 3** Click [Initialize].



- 4 Click [Yes].



- 5 If initialization is finished, the window below is displayed. Click [OK].



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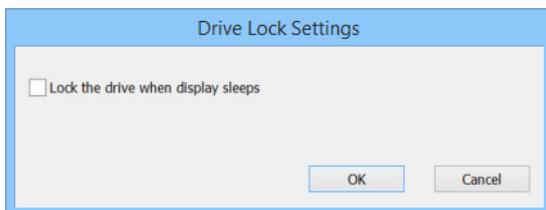
## Sleep Mode Lock (Windows 8 or later)

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If you use Windows 8 or later, the drive will be locked when the display enters sleep mode. (The drive will not be locked by just turning off the power of the display.)

If you don't want the drive to be locked when the display enters sleep mode, follow the instructions below.

- 1 Connect the drive to your device.
- 2 Open "Options" windows.
- 3 Click [Drive Lock Settings].
- 4 Uncheck the check box, and click [OK].



The process is now finished.

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# Uninstallation

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## Windows

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The software can be uninstalled from within Control Panel.

## Mac

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To uninstall, delete "ModeChanger\_MAC" from the Applications folder.