

# HDS-PHU2 Series

## User's Manual

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# Using This Manual

The symbols used in the manual are explained here to ensure proper use of this manual.

## Symbols

**Caution symbol**.....  **CAUTION** This indicates an operation that requires caution when handling the product. Failure to follow the caution can result in personal injury or damage to the product.

**Next operation symbol**.....  **Next** This indicates the next page to go to.

## Terms Used in This Manual

- The instructions in this manual are described using the following drive configuration in Windows.
  - C: Hard drive
  - D: CD-ROM drive
- Brackets [ ] indicate the names of dialog boxes and the names of menus, buttons, and checkboxes that can be selected during operations.
- The hard disk capacity described in this manual is calculated as 1 GB = 1,000<sup>3</sup> bytes. Operating systems and applications use the calculation 1 GB = 1,024<sup>3</sup> byte, so the displayed capacity differs.

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- BUFFALO™ is a trademark of Melco Holdings Inc. All other products mentioned herein are the trademarks or registered trademarks of their respective owners.
- The specifications, design, and other contents in this manual are subject to change without notice and may differ from those of the actual product.
- Every effort has been made to ensure the accuracy of the information in this manual. If, however, you notice any missing information or errors, please contact the retailer from which the product was purchased or Buffalo Technology Technical Support.
- This product was developed for general office and household use. Buffalo Technology, Inc. shall not be responsible whatsoever for any damage resulting from the use of this product for a purpose other than general office and household use.
  - Do not use this product in applications requiring a high level of safety, such as systems that are directly or indirectly related to medical equipment or human safety.
  - When using this product in mechanical or computer system applications that require higher reliability than general office equipment, make every effort to provide a safety design for the system and adequate failsafe measures.
- Follow the operations described in this manual when using this product. Be sure to follow all safety precautions for handling this product.
- Buffalo Technology, Inc. provides repair of the product under certain circumstances, but it is not responsible for any loss or corruption of recorded data during repair. Follow all safety precautions described herein when using the product as a data recording device, such as a hard disk drive, or when using the product connected to a data recording device. Be sure to back up all necessary data on a regular basis. Buffalo Technology, Inc. shall not be responsible for any loss or corruption of data as a result of the customer violating the safety precautions or failing to back up data recorded on the product.
- Regarding liability due to default or illegal activities resulting from the use of this product, with the exception of any intentional or gross negligence on the part of Buffalo Technology, Inc., Buffalo Technology, Inc. shall compensate the customer up to the purchase cost of the product.
- If this product is deemed defective, Buffalo Technology, Inc. shall repair the product at no cost or replace the product with the same or similar product. Buffalo Technology, Inc. is not responsible for any damage as a result of a product defect.

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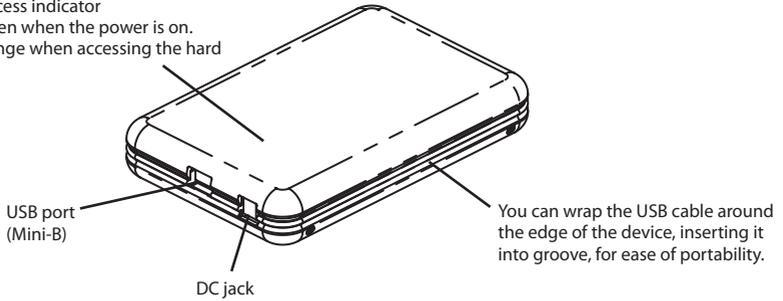
# 1

## Layout

Familiarize yourself with your MiniStation.

### Layout

Power/Access indicator  
Lights green when the power is on.  
Blinks orange when accessing the hard drive.



# 2

## Safety Precautions

This describes the safety precautions for use with this product.

### Safety Precautions



**Do not perform any of the following, as this can result in a loss of data.**

- **Setting this device as the save destination of virtual memory.**
- **Removing the USB cable or power cable or turning off the power of the connected computer while this device is being accessed.**
- **Enabling the power-saving mode (standby, hibernation, or sleep) of the connected computer. (The device may not resume operations after entering the power-saving mode.)**

- After you are done using this device, be sure to disconnect it from the computer.  
The device automatically locks when disconnected from the computer. If the computer is turned off or restarted without first disconnecting the device, the device may not lock.
- If you forget the password, you will not be able access the data recorded on this device, so take measures so you do not forget the password.
- Keep your password secret and do not tell it to others.
- In Windows 2000, after the password is authenticated, the [Unplug or Eject Hardware] notification appears, but the device operates normally. Click [Close] to close the notification. You can continue to use the device.
- In Macintosh, multiple devices cannot be used at the same time.
- In Macintosh, install the password authentication software before using the device. (In Windows, there is no need to install the software.)  
In Macintosh, if multiple operating systems are installed, install the password authentication software on all Macintosh operating systems.
- The maximum size for a file stored to a FAT32 formatted hard drive is 4 GB.  
This device is formatted as a FAT32 hard drive, so the maximum file size is 4 GB. If you reformat this device with an NTFS format or Macintosh format, you can store files that are larger than 4 GB
- In Windows 2000, the [Found New Hardware Wizard] dialog box may appear during setup. Click [Finish] on the dialog box.  
The [The software for this device is now installed, but may not work correctly.] message appears, but the device operates normally.

- This device can be hot-plugged.

This means you can plug and unplug the USB cable of the device to and from a computer when both devices are on.

**⚠ CAUTION** Never unplug the USB cable while the hard drive is being accessed (the power/access indicator is blinking orange), as this can damage the recorded data on the hard drive.

- To use this device in a configuration with multiple USB devices, use a USB hub (not supplied) or similar device.
- Be sure to read the manuals of the computer and peripheral equipment.
- This device cannot be used to boot the operating system.
- Do not place other objects against this device.  
This can damage the device.
- In Windows XP and Vista, if this device is connected to a USB 1.1 port, the [HI-SPEED USB Device Plugged into non-HI-SPEED USB Hub] warning message may appear. To continue operations, click [X] to close the dialog box.
- This device may emit a sound during operation, such as at startup and when accessing the hard drive. This is normal.
- Installing the drivers of this device adds the following devices to the Device Manager\*.

\* Use the following procedures to display the Device Manager.

Windows Vista .....Click [Start] → right-click [Computer] → click [Manage] → click [Continue] when [Windows needs your permission to continue] appears → click [Device Manager]

Windows XP .....Click [Start] → right-click [My Computer] → click [Manage] → click [Device Manager]

Windows 2000 .....Right-click [My Computer] → click [Manage] → click [Device Manager]

Operating System	Location Added	Device Name
Windows Vista	Universal Serial Bus controllers	USB Mass Storage Device
	Disk drives	BUFFALO Disk Drive USB Device
	DVD/CD-ROM drives	BUFFALO USB-ATA Bridge USB Device
Windows 2000/XP	Universal Serial Bus controllers	USB Mass Storage Device
	Disk drives	BUFFALO Disk Drive USB Device
	DVD/CD-ROM drives	BUFFALO USB-ATA Bridge USB Device

## Locking the Drive After Authentication

To lock the Secure Disk after the password has been authenticated, disconnect the device from the computer. The device does not lock unless it is disconnected from the computer, so it is recommended that you disconnect it after use.

## Uninstalling the Password Authentication Software (Macintosh)

Use the following procedure to uninstall the password authentication software from a Macintosh computer.

- 1 Turn on the computer, and log in with the administrator account.**
- 2 Connect this device to the computer.**
- 3 Click  [Utility] on the desktop → [Mac X] folder → [Secure Disk Tool Uninstaller VJx.xx] folder (where "x.xx" is a number), and double-click [Uninstall Secure Disk Tool].**

Follow the on-screen instructions for uninstalling the software.

# 3

## How to Use with Windows

To use this device with Windows, use the following procedure.

### I Configuring (Changing) the Password Default Settings

Because the factory password is disclosed, make sure to change the password before you use this device.

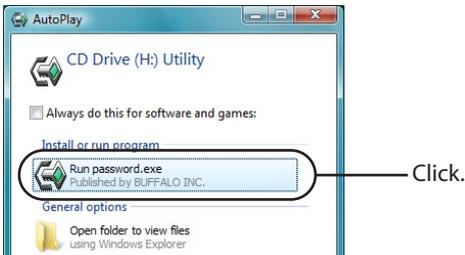
\* For Windows XP/2000, log in with the administrator account.

When logged in with a user account, password cannot be set.

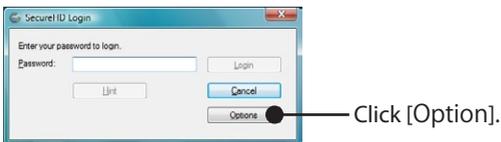
**CAUTION** Factory password is [12345].

#### 1 Connect this device to the computer.

\* When the following screen appears, click [Run Password.exe].



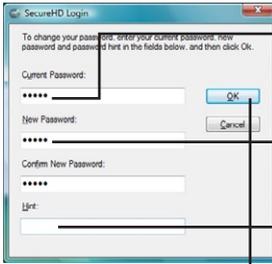
#### 2



\* If the screen above doesn't appear, you may double-click [Password.exe] in [Utility] from [Computer] ([My Computer]).

Continued

3



- 1 Enter the current password.  
\* Enter [12345] (factory setting) when you use this device for the first time.
- 2 Enter a new password (4 to 10 characters) in 2 places.
- 3 Enter a hint phrase (5 to 75 characters).
- 4 Click [OK].

\* Copy and Paste are disabled for password and hint entry.

**4** When the [Password Security enabled successfully.] message appears, click [OK].

**5** Disconnect the device from the computer.

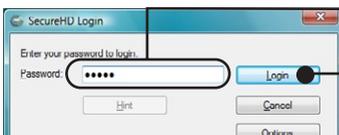
Password default settings are configured.

## II Authenticating the Password to Use

Authenticate the password and prepare the device to read and write data.

**1** Connect this device to the computer.

2

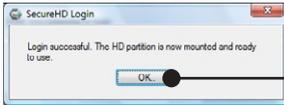


- 1 Enter the current password.  
\* Enter the password changed in section I.
- 2 Click [OK].

\* If you enter wrong passwords 3 times, you can check the hint phrase you entered from the [Hint] button (for Windows XP/2000, when logged in with the administrator account only).

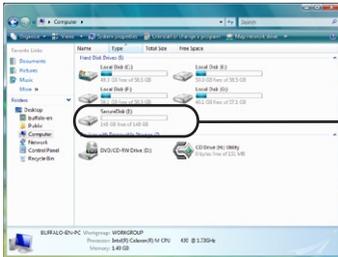
**Continued**

3



Click [OK].

#### 4 Make sure [Secure Disk] is added in [Computer] ([My Computer]).



Make sure [Secure Disk] is added.

Procedure is completed. [Secure Disk] is ready to read and write data same as a normal hard disk.

### To Store Files Larger Than 4 GB

Format the Secure Disk with NTFS format. The device is formatted with FAT32 format when it is shipped, and cannot store files larger than 4 GB. This is a limitation of FAT32. When the device is formatted with NTFS format, files larger than 4 GB can be stored. To use this device with Mac OS computers as well, use as is without formatting. FAT32 works with both Windows and Mac computers. NTFS cannot be used with MAC OS.

# 4

## How to Use with a Mac

To use this device with Mac OS X, use the following procedure.

### I Installing the Password Authentication Software

Install the password authentication software Secure Disk Tool.

- 1 Turn on the computer, and log in with the administrator account.
- 2 Connect this device to the computer.
- 3 Open  [Utility] on the desktop and double-click [Secure Disk Tool InstallerVJ1\_xx.pkg] in the [Mac X] folder.

\* Where "xx" in [Secure Disk Tool InstallerVJ1\_xx.pkg] is a version number.

Follow the on-screen instructions for installing the software.

### II Configuring (Changing) the Password Default Settings

Because the factory password is disclosed, make sure to change the password before you use this device.

**CAUTION** Factory password is [12345].

- 1 Double-click  [Secure Disk Tool] on the desktop.

- 2  Click [Option].

Continued 

**3**

1 Enter the current password.  
 \* Enter [12345] (factory setting) when you use this device for the first time.

2 Enter a new password (4 to 10 characters) in 2 places.

3 Enter a hint phrase (5 to 75 characters).

4 Click [OK].

\* Copy and Paste are disabled for password and hint entry.

**4** When the [Password Security enabled successfully.] message appears, click [OK].

**5** Disconnect the device from the computer.

Password is changed.

## III Authenticating the Password to Use

Authenticate the password and prepare the device to read and write data.

**1** Connect this device to the computer.

**2** Double-click  [Secure Disk Tool] on the desktop.

**3**

1 Enter the password.

2 Click [Authenticate].

\* When you enter wrong passwords 3 times, you can check the hint phrase you entered from the [Hint] button.

**Continued** 

#### **4 When the [Login successful.] message appears, click [OK].**

\* A warning message similar to [Set disk contains unreadable volume with Mac OS X.] may appear. Click [OK].

#### **5 Make sure [Secure Disk] ( ) is displayed on the desktop.**

Procedure is completed. [Secure Disk] is ready to read and write data same as a normal hard disk.

#### **To Store Files Larger Than 4 GB**

Format the Secure Disk with Mac OS extended format. The device is formatted with FAT32 when it is shipped, and cannot store files larger than 4 GB. This is a limitation of FAT32. When the device is formatted with Mac OS extended format, files larger than 4 GB can be stored. To use this device with Windows computers as well, use as is without formatting. FAT32 works with both Windows and Mac computers. Mac OS extended format cannot be used with Windows computers.

# 5

## If You Forget Your Password

If you forget your password, you must format the device to be able to use it again. This describes the procedure for formatting the device.

### If You Forget Your Password (Formatting the Device)

If you forgot your password and cannot remember it, you must format the device. Formatting the device erases all stored data on the device and resets the password. You should only format the device if you forget your password.

**CAUTION** The following procedure reformats the DriveStation as a FAT32 hard drive and erases all stored data. Before formatting the device, move all necessary data to a computer or other storage device. To be able to store files greater than 4 GB to this device, reformat the hard drive with an NTFS or Macintosh format.

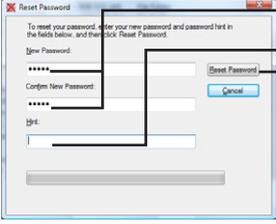
### Windows

**CAUTION** To format the device in Windows 2000 or XP, you must log in with the administrator account.

- 1 Connect this device to the computer.**  
When the password authentication window appears, close it.  
In Windows Vista, the AutoPlay window may appear. Close this window.
- 2 Right-click [Utility] (  ) in [Computer] ([My Computer]) and select [Open].**
- 3 Double-click [menu.exe].**
- 4 Select [Initialize Device] on the open window, and then click [Start].**

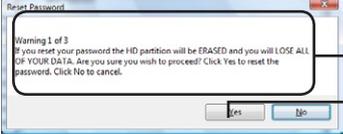
- 5**  Click [Reset Password].

Continued 

**6**  1 Enter the new password (two times). The password must be between 4 and 10 characters.  
2 Enter a hint phrase. The hint phrase must be between 5 and 75 characters.  
3 Click [Reset Password].

Note: Do not use copy and paste for password and hint entry.

**7** The following window is displayed three times. Confirm the content and click [Yes].

 1 Confirm the content.  
2 Click [Yes].

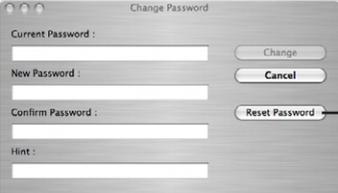
**8** When the [The password has been reset successfully.] message appears, click [OK], and then disconnect the device from the computer.

The device is formatted and the password is reset.

## Macintosh

- 1 Connect this device to the computer.
- 2 Double-click [Secure Disk Tool] () on the desktop.

**3**  Click [Option].

**4**  Click [Reset Password].

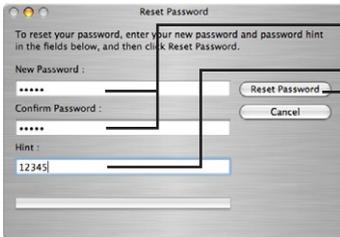
Continued 

5



Click [Reset Password].

6



1 Enter the new password twice. The password must be between 4 and 10 characters.

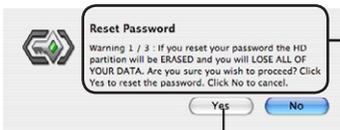
2 Enter a hint phrase. The hint phrase must be between 5 and 75 characters.

3 Click [Reset Password].

Note: Copy and Paste are disabled for password and hint entry.

7

**The following window is displayed three times. Confirm the content and click [Yes].**



4 Confirm the content.

5 Click [Yes].

8

**When the [The password has been reset successfully.] message appears, click [OK], and then disconnect the device from the computer.**

The device is formatted and the password is reset.

# 6

## Specifications

### Specifications

\* See the Buffalo Technology, Inc. catalog or website ([www.buffalotech.com](http://www.buffalotech.com)) for the latest product information and supported models.

Interface	USB	
USB Standard	USB Specification Rev. 2.0	
Port	USB Mini-B port	
Capacity	512 bytes/sector	
Seek time	Max. 13 msec	
Transmission speed (theoretical)	Max. 480 Mbps*	
Format at time of purchase	FAT32 (single partition)	
Dimensions	127 (W) × 84 (H) × 23 (D) mm (excluding projecting parts)	
Power consumption	Max. 2.5 W	
Power supply	DC 5V±5%	
Operating environment	Temperature	0–45°C
	Humidity	10–85% (non-condensing)
Supported models	The following computer models with a standard USB port: <ul style="list-style-type: none"><li>• DOS/V (OADG specifications)</li><li>• Apple Mac series (with Intel processor)</li></ul>	
Supported OS	DOS/V	Windows Vista/XP (including Media Center Edition), Windows 2000 Service Pack 3 or later
	Macintosh	Mac OS X 10.4 or later

\* To use this device with HS mode (at a max. transmission speed of 480 Mbps), as defined by USB 2.0 specifications, a USB 2.0 interface is required.

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