

I-O DATA

LAN DISK

Network Attached Storage

HDL-CEW Series

Picture Version of the Manual



Table

Setup	2-3	Bringing back to the default configuration	9-42
Setup using Magical Finder on Windows	2-3	How to bring back to the default configuration	9-42
Access this product on Windows	2-8		
Open the configuration screen using Magical Finder on Windows.....	2-11	Troubleshooting by light/buzz	10-44
Setup High Speed Reading Mode.....	2-12		
 Using Shared Folders.....	3-13	Specifications	11-45
What is a shared folder?	3-13	Hardware Specifications	11-45
Register a user.....	3-14	Name/function of each section.....	11-46
Create a shared folder	3-15	List of restricted characters	11-47
Note when using a shared folder	3-16		
 Back up.....	4-17		
Scheduled backup.....	4-17		
Quick copy	4-20		
 Access this product while you are out (Remote Link 2)	5-22		
Remote Link 2 function	5-22		
Setting the Remote Link 2.....	5-24		
Access from a PC outside of your home.....	5-25		
Access from iPhone or iPad.....	5-26		
Access from Android device.....	5-29		
 Use as iTunes server.....	6-31		
iTunes server	6-31		
Play from iTunes	6-32		
 Check Hard Disk.....	7-33		
Run the check disk function	7-33		
 Administrate the system	8-34		
Change the admin password	8-34		
Update the firmware.....	8-35		
Use the power saving function	8-36		
Change the LAN DISK name	8-37		
Set the date and time	8-38		
Configure the network	8-39		
Shutdown/reboot	8-40		
Set the brightness of the light.....	8-41		

Setup

This section describes how to setup this product in addition to the included "Configuration Guide".

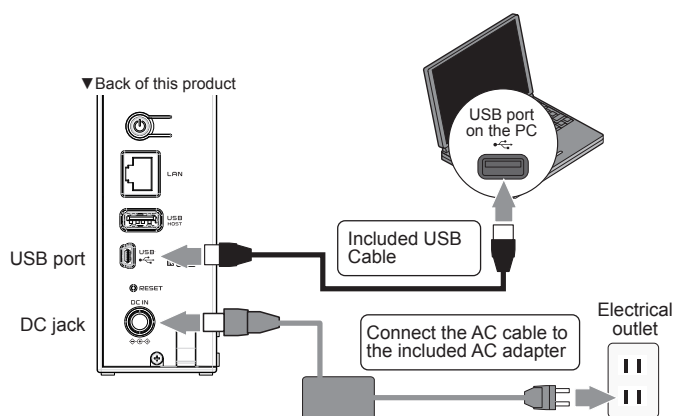
Setup using Magical Finder on Windows

① Copy the Magical Finder

- 1 Turn on your PC.

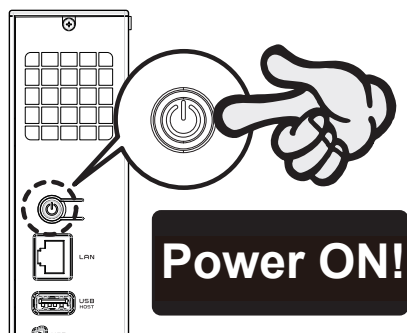


- 2 Connect one end of the included USB cable to the USB port on the back of this product and another end to the USB port on your PC.
Join the AC adapter with the AC cable, then connect the AC adapter to this product and the AC cable to the electrical outlet.



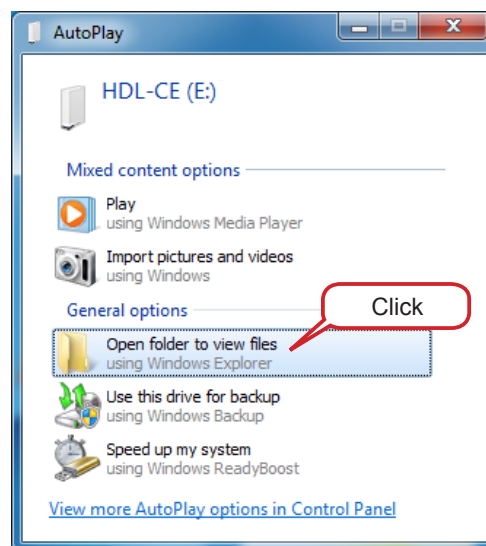
- 3 Push the power button on the back of this product.

Back of this product

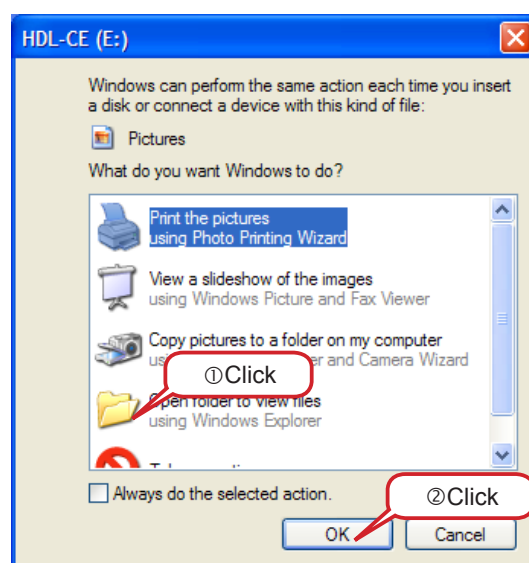


- 4 Once this product is recognized, a screen appears.
Select [Open folder to view files].
(Click the [OK] button if it is displayed.)

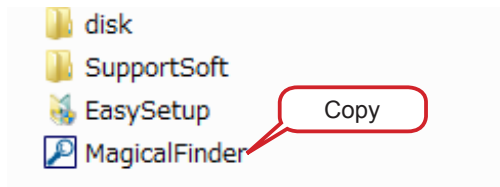
▼ For Windows 7 or Vista



▼ For Windows XP

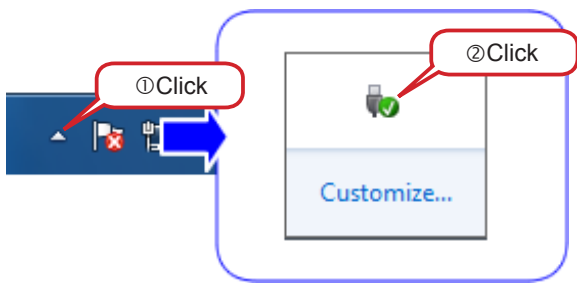


5 Copy the [Magical Finder] onto your desktop.

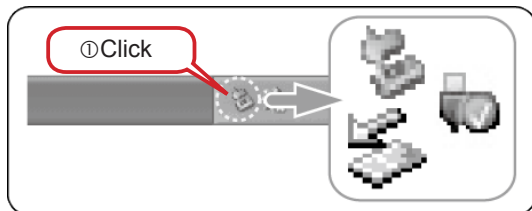


6 Remove this product from your PC.
① Click the icon in the lower right corner of the screen.
② For Windows 7, click the remove icon displayed.
For OS other than Windows 7, click the icon for this product displayed under “USB mass storage device”.
* If multiple devices are connected, select it by looking at the drive letters.

▼ For Windows 7



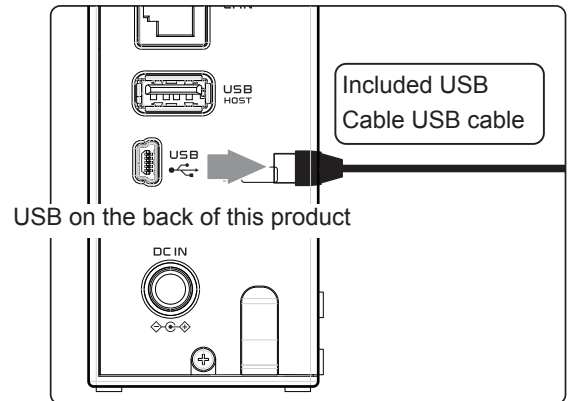
▼ For options other than Windows 7



Note

- If it cannot be removed, exit all running software and try again.
- * If it still cannot be removed, turn the PC off before removing.

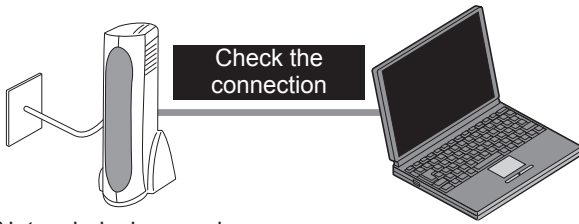
7 Remove the USB cable from your PC and the USB port on the back of this product.



It is now copied successfully.
Please proceed to ②.

② Introduction to the Network

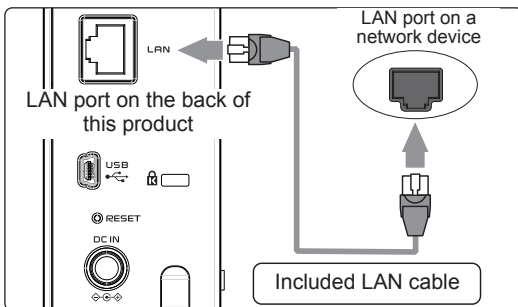
- 1 Confirm that routers, etc. are working normally within your network.



Network devices such as a router or a hub.

PC used for configuration

- 2 Connect one end of the included LAN cable to the USB port on the back of this product and another end to your network device such as a router or hub.



- 3 A beep sound is heard and the STATUS light on this product blinks green. Once startup is completed, a beep sound is heard and the STATUS light is turned on in green. Wait for a while until startup is completed.

This product has now been successfully introduced into your network.

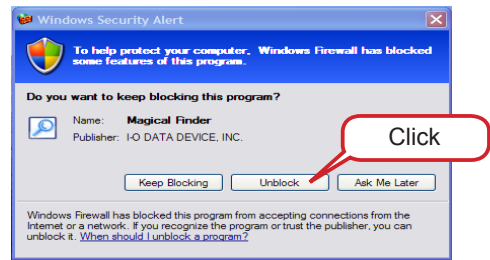
Please proceed to ③.

③ Set up this product

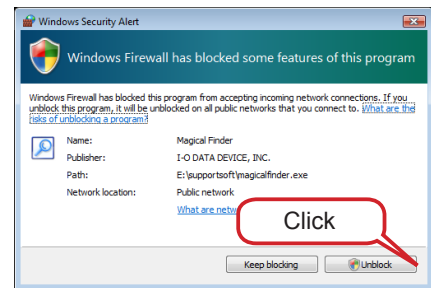
- 1 Double-click and start the [Magical Finder] copied on your desktop.

Note

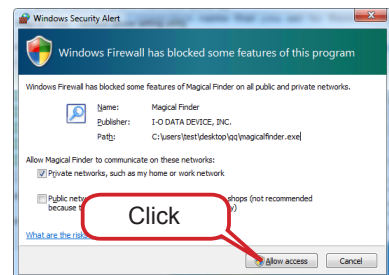
- If the following screen appears, click [Unblock].



- If the screen as shown below appears, click [Unblock]. Then, if [User Account Control] appears, click [Continue].



- If the following screen appears, click [Allow access].



- 2 This product will be searched automatically. Check the color of the STATUS light on this product.

When lit green

Please proceed to ③.

When blinking red

Follow the "IP Setup" procedures on the next page.
Then, proceed to ③.

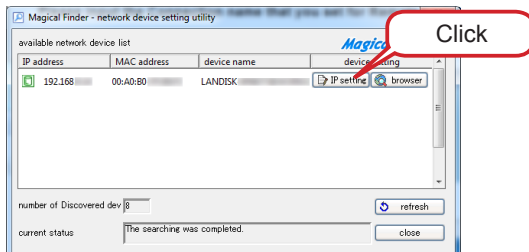
Note

- This product not found!

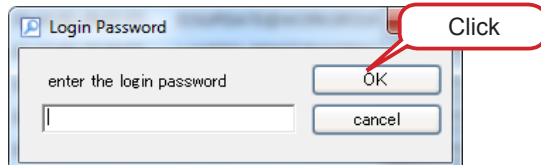
Hint Wait for about 30 seconds and then click the [Refresh] button.

IP Setup

- ① Click the [IP Setting] button.



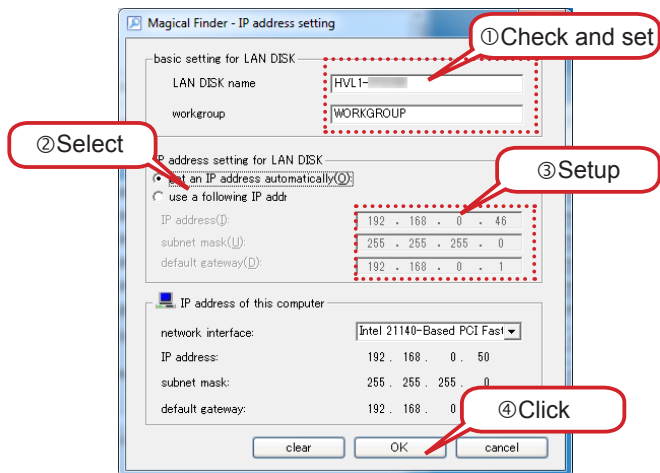
- ② The application prompts a password to be entered but click the [OK] button without entering one.



- ③ Check the [LANDISK name] and [work group] fields.

Next, set the IP address in [IP address setting for LANDISK] according to your network and then click the [OK] button.

* See the next page for the screen details.

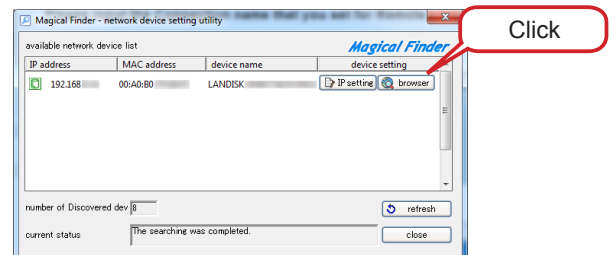


Note

If it is blinking even though there is a DHCP server in the network, please try the following steps.

- ① Push the [Power] button on this product once to turn off the power of this product.
- ② Confirm that the DHCP server is running properly and this product is connected to the network device properly using the LAN cable.
- ③ Push the [Power] button to turn on this product again.

- 3 Click the [browser] button.



- 4 Enter [admin] in the [Username] field and then click the [OK] button.

* You do not need to enter in the [Password] field since no default password is set.



- 5 The configuration screen appears. Setup values can be entered as required.

* The default language is set to [Japanese] on the configuration screen. A preference language can be set using [Language] in the upper right corner on the login screen.

The initial configuration is now complete.

IP Address Configuration screen

basic settings for LAN DISK			
LAN DISK name	The name of this product displayed on the network (such as [My Network] or [Network Computer]).		
	See “Note: LAN DISK Name” below.		
	* The allowable characters for use are limited. “List of restricted characters” (Page 11-47) See		
	* Whenever the name is changed, always make a note.		
workgroup	The “workgroup” must be consistent with the “workgroup name” on your PC. (Check the workgroup name on your PC.)		
	However, even if the workgroup name is not consistent, it is possible to access this product.		
	* The allowable characters for use are limited.		
“List of restricted characters” (Page 11-47) See			
IP address setting for LAN DISK			
Get an IP address automatically	Select if there is a DHCP server within your network.		
Use the following IP address	Select if a fixed IP address is going to be used.		
	IP address	Enter an IP address to be set for this product.	
		* Check the segment (IP address group) of your network and select an IP address that does not overlap with other network devices or the IP address of your PC.	
		subnet mask	Enter the same subnet mask as your PC.
			Enter the same value as in the [subnet mask] field under [IP address for this computer] on the screen.
default gateway	Enter the same default gateway as your PC.		
	Enter the same value as in the [default gateway] field under [IP address for this computer] on the screen. If this field is blank, it does not need to be entered.		
IP address for this computer			
network interface	The network interface (LAN adapter name, etc.) of your PC is displayed.		
IP address	The IP address of your PC is displayed.		
subnet mask	The subnet mask of your PC is displayed.		
default gateway	The default gateway for your PC is displayed.It is usually set to the IP address of the router. If it is not set, it is blank.		

Note: LAN DISK Name

The default name of this product is individually set to [LANDISK-xxxxxx].
 (xxxxxx represents the last 6 digits of the MAC address)

The MAC address is listed on the sticker at the bottom of the product.

* The MAC address consists of numbers 0-9 and alphabet letters A-F.

Access this product on Windows

The access method is different depending on your OS. See the page corresponding to your OS.

This section describes how to access this product in addition to the included “Configuration Guide”.

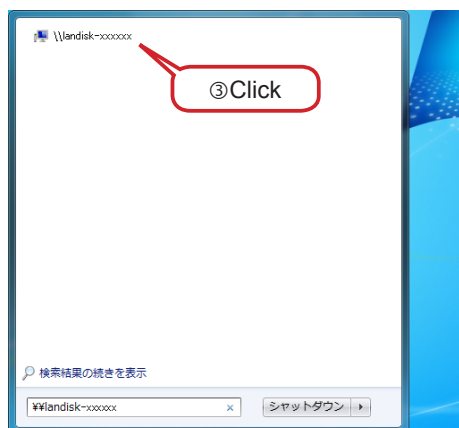
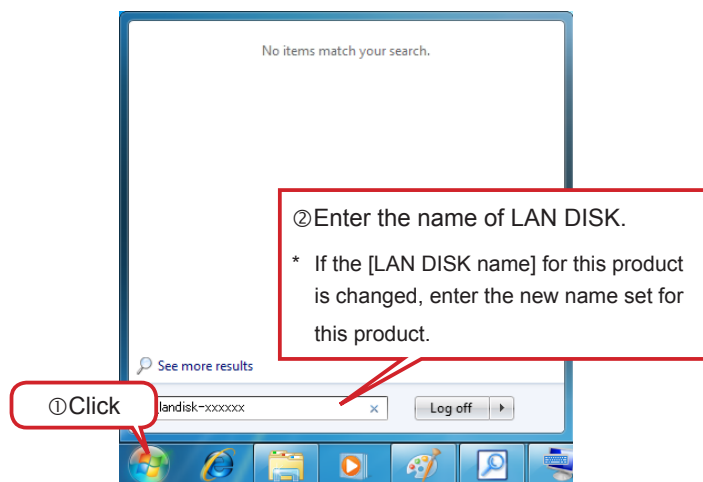
“Access from Windows 7” (Page 2-8) See

“Access from Windows Vista” (Page 2-9) See

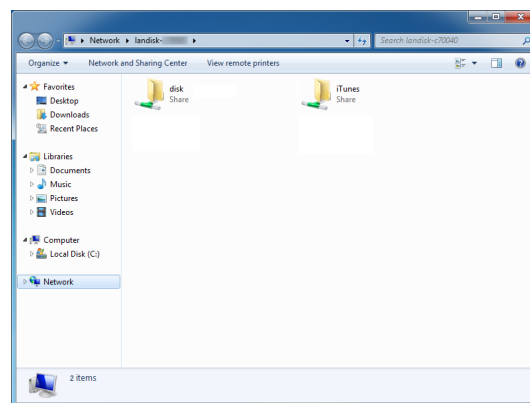
“Access from Windows XP” (Page 2-10) See

Access from Windows 7

- 1 Click [Start] > [Search programs and files] and then enter [\\landisk-xxxxxx].
Select the found [landisk-xxxxxx].
 - * “xxxxxx” represents the last 6 digits of the MAC address.
 - “Note: LAN DISK Name” (Page 2-7) See
 - * If the [LAN DISK name] for this product is changed, enter the new name following “ $\frac{\text{¥}}{\text{¥}}$ ”.



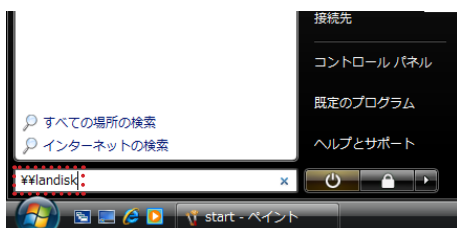
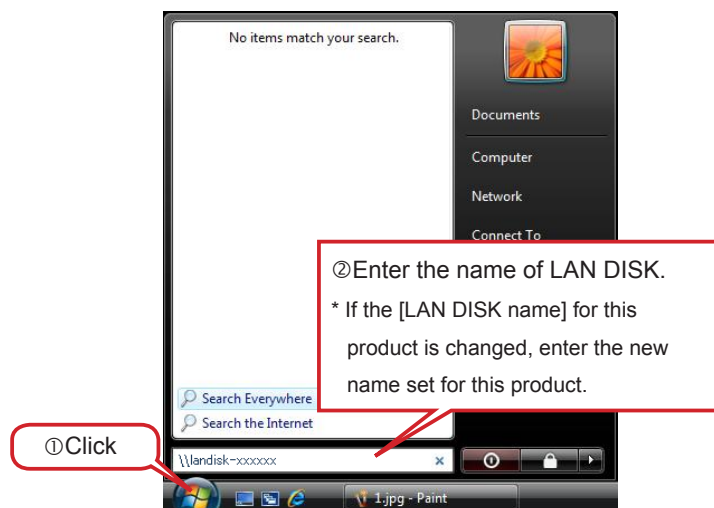
- 2 →A list of shared folders for this product will be displayed.
Files can be inserted into the [disk] folder displayed.
Files inserted into this folder can be shared with other users.



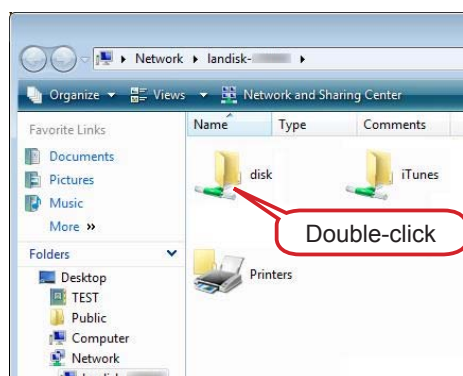
Once the window shows shared folders normally, they can be used as a shared folder.

Access from Windows Vista

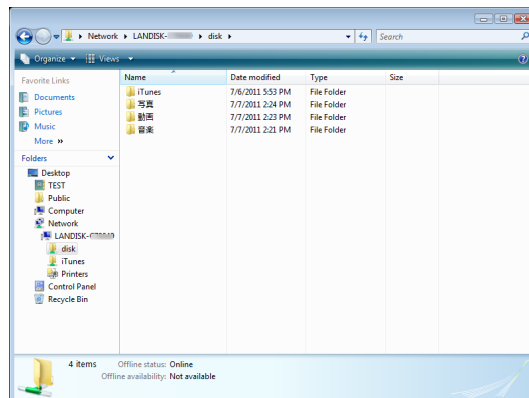
- 1 Click [Start] > [Start Search], and then enter [\\landisk-xxxxxx] followed by the [Enter] key.
 * “xxxxxx” represents the last 6 digits of the MAC address.
 “Note: LAN DISK Name” (page 2-7) See
 * If the [LAN DISK name] for this product is changed, enter the new name following “VV”.



- 2 A list of shared folders for this product will be displayed. Double-click the [disk] folder.



- 3 Files can be inserted into the [disk] folder displayed. Files inserted into this folder can be shared with other users.



Once the window shows shared folders normally, they can be used as a shared folder.

Access from Windows XP

Note

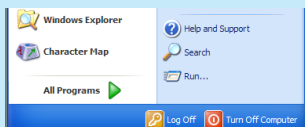
- This product supports only the LAN connection mode for models with 3.0T bytes or higher

1

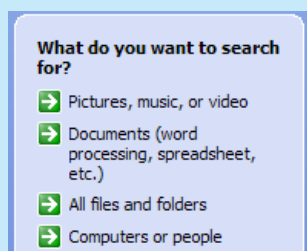
Search this product.

① Click [Start] → [Search].

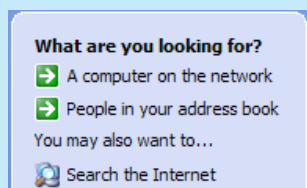
* If the Windows Search screen appears, select [Click here to use Search Companion].



② Under "What do you want to search for?", click [Computers or people].



③ Under "What do you want to search for?", click [A computer on the network].



2

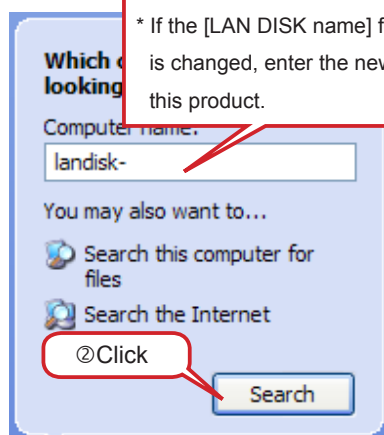
Enter [landisk-xxxxxx] in the [Computer name] field and then click the [Search] button.

* "xxxxxx" represents the last 6 digits of the MAC address.

"Note: LAN DISK Name" (Page 2-7) See

① Enter

* If the [LAN DISK name] for this product is changed, enter the new name set for this product.



3

[LAN DISK CE Series] will be found so double-click it.
=> The [disk] and [iTunes] folders will be displayed.



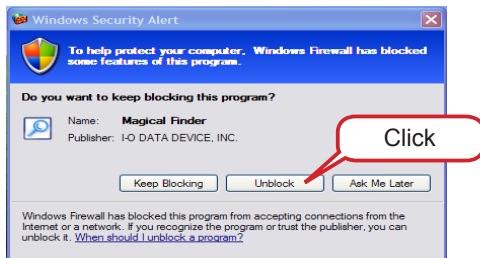
Files can be inserted into the [disk] or [iTunes] folder displayed.

Open the configuration screen using Magical Finder on Windows

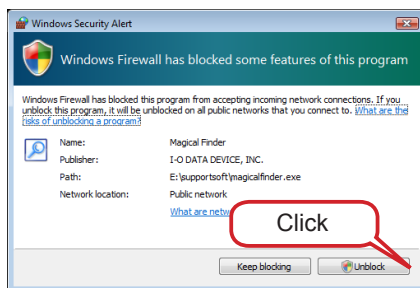
- 1 Double-click and start the [Magical Finder] copied on your desktop.

Note

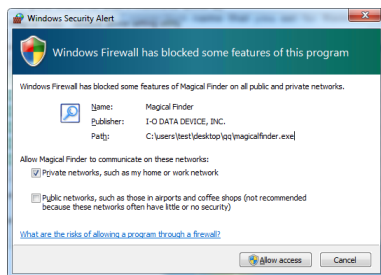
- If the following screen appears, click [Unblock].



- If the screen as shown below appears, click [Unblock]. Then, if [User Account Control] appears, click [Continue].

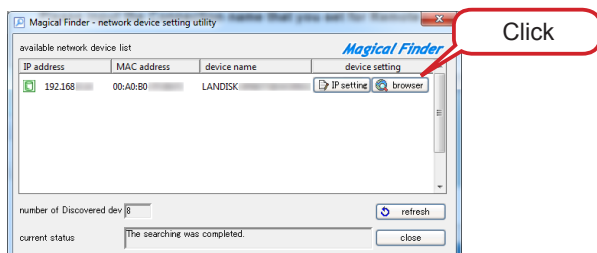


- If the following screen appears, click [Allow access].



- 2 Click the [browser] button as this product is automatically searched.

- * It may take about 1-2 minutes until this product is found after the power is turned on.



Note

- This product not found!

Hint Wait for about 30 seconds and then click the [refresh] button.

- 3 Enter [admin] in the [Username] field and then click the [OK] button.

* No default admin password is set. It can be set on the configuration screen.

* The default language is set to [Japanese] on the configuration screen. A preference language can be set using [Language] in the upper right corner on the login screen.



Note

- Check your password and enter it again.

If you forget the password, “Bringing back only the IP address and admin password to the default configuration” (Page 9-42) see, to reset to the default state.

After a while, the start menu appears on the configuration screen.


Setup High Speed Reading Mode

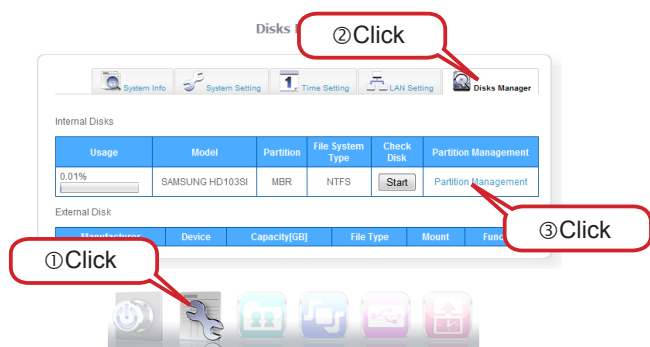
This product is equipped with [high speed mode] in which the file transfer speed is faster when reading data in the LAN connection mode. Follow the setup steps below.

* The default configuration is the normal mode (NTFS).

Note

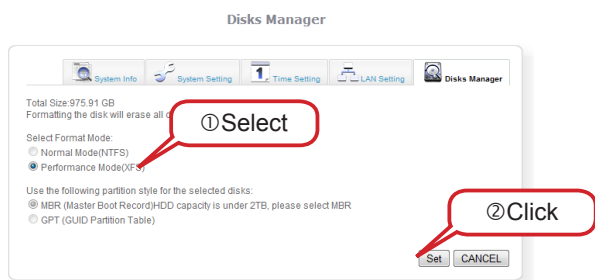
- This changes the format style, resulting in deleting the data you have saved. Make sure you have backed up your data before changing this setup.
- This high speed mode cannot be used in the USB connection mode. When using the USB connection mode, select the normal mode (NTFS).

1 Click  on the configuration screen, and then click [Drive information] > [Partition admin] under [Built-in hard disk].



2 Select [High speed mode (XFS)] for the format style and then click the [Apply] button.

* Because the partition style is automatically set, it is usually not required to be selected. The MBR format or the GPT format can be selected only for 3.0T bytes or higher models of this product.



Setup is now successfully completed.

Using Shared Folders

What is a shared folder?

Files can be shared among multiple PCs on the network through shared folders that are setup or created on this product over the network.

This product has default shared folders, [disk] and [iTunes], to which any users who are allowed to connect to this product can read or write. Users can also create new shared folders.

Shared folder name	Description
disk	A default shared folder created in the built-in hard disk. All users are allowed access since access permission is set to [All users allowed].
iTunes	A default shared folder created in the built-in hard disk, which is for iTunes service publishing. Save the contents to be published on iTunes only. All users are allowed access since access permission is set to [All users allowed].

Note

- Please note that all shared folders may be accessed in the USB connection mode regardless of the access permission set for the shared folders.
- You can choose [All users] or [Specified user] access permission for shared folders created on this product.
- The number of users that can be registered on this product is up to 20 users, while the number of shared folders is up to 20 folders.
- The username cannot be set using numbers only.
- The shared folder name cannot contain any spaces.
- Only half-width alphanumerical characters (ASCII characters) may be used for all shared folders, usernames (lower characters only) and passwords.

* The use of some characters and the number of characters allowed is restricted. [“List of restricted characters” \(Page 11-47\)](#)

Register a user

To create a shared folder allowing access only to specified users, users must be registered in advance.

Step 1: Check the information on users with access

Check and note the [Username] and [Password] for users to register when they log into the network. (The confirmed [Username] and [Password] are used to register on the configuration screen later.)

Note

The [Username] and [Password] are used to register on the configuration screen later; however, the allowable characters are restricted as follows.


[“List of restricted characters” \(Page 11-47\)](#) See

Step 2: Register users on this product.

The noted [Username] and [Password] are used to register users on the configuration screen.

Create a shared folder


This section describes the access permission setup procedure.

- 1** Click  on the configuration screen and then click [Create shared folder].
- 2** Enter in the [Shared folder name] field and select [Allow only users created] under [Access permission setup].
* Select [Share] to allow anyone to access.
- 3** Select the user access permission and then click the [Apply] button.
→ A new shared folder will be added.

A shared folder has now been successfully created.

Note

The [disk] and [iTunes] folders can be accessed when the RemoteLink2 function or iTunes server function is enabled.
Do not delete these folders under normal circumstances. If deleted, recover these folders by following the steps below.

- ① Click  on the configuration screen and then click [Shared folder list].
- ② Click the [Create default shared folders] button displayed under the list.

The deleted [disk] and [iTunes] folders are now successfully recovered.

Note when using a shared folder

● File name and folder name character restrictions

Allowable names of files or folders on this product must be up to the number of characters listed below depending on your OS.

“Windows” Up to 255 half-width characters (85 full-width characters)

* The number of characters may decrease depending on the type of characters used.

* Windows 7 or Vista can handle more characters compared to previous Windows OS. Therefore, if characters only usable on Windows 7 or Vista are used for file or folder names saved in shared folders, they may not be displayed properly when browsed through previous Windows OS.

In order to avoid any problems due to differences in ability to display characters between Windows 7 or Vista and previous Windows OS, make sure that necessary precautions are taken with reference to the information [JIS X 0213:2004 Support] and [New Japanese ClearType Font Meiryo] disclosed from Microsoft (http://www.microsoft.com/japan/windows/products/windowsvista/jp_font/default.mspx).

“Mac OS” Up to 255 half-width characters (85 full-width characters) on Mac OS X.

● File size

No restrictions.

● Cautions when using in the USB connection mode or LAN connection mode

To use the same folders in both the USB connection mode and LAN connection mode, use the [shared folders] created in the LAN connection mode.

Folders created outside of [shared folders] in the USB connection mode cannot be used in the LAN connection mode.

Back up


Scheduled backup

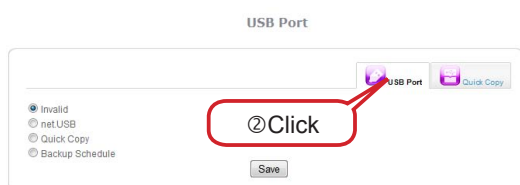
Pre-specified shared folders on this product can be backed up to a removable USB hard disk or other HDL-CEW on the same network.

To back up to a removable USB hard disk

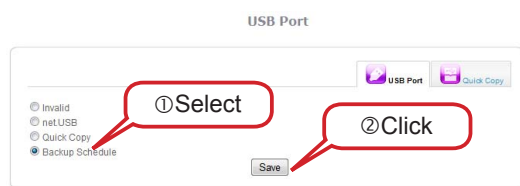
Step 1: Setup the USB port

The default operation mode of the USB [HOST] port is set to [Disabled]. Change the port setting by following the steps below.

- 1 Click  on the configuration screen and then click [USB port].

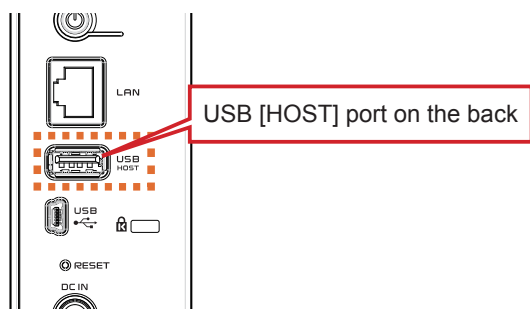


- 2 Select [Scheduled backup] and then click the [Apply] button.




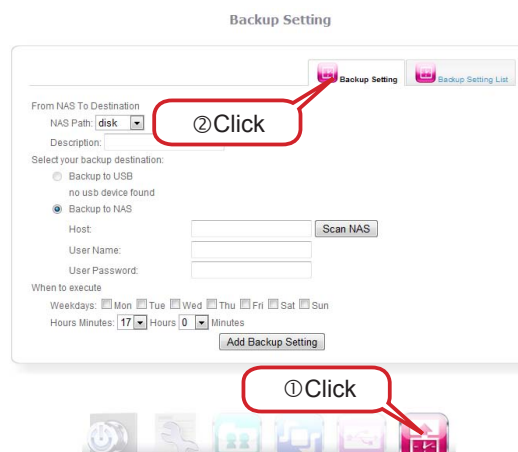
Step 2: Connect a removable HDD

Attach a removal USB hard disk into the USB [HOST] port on the back.

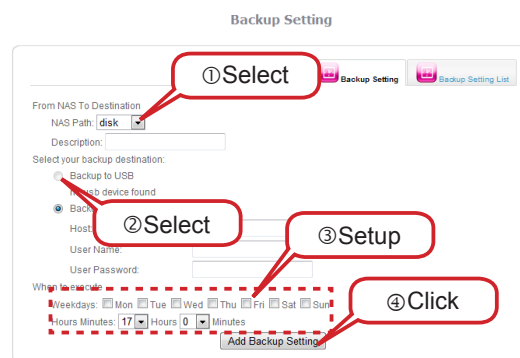


Step 3: Setup Scheduled Backup

- 1 Click  on the configuration screen and then click [Backup setting].



- 2 Set a backup schedule.
 - 1 Select a backup source.
 - 2 Select [Backup to USB].
 - 3 Select a day and time to run the backup in the [Schedule setting].
 - 4 Click the [Save backup setting] button.




Note



- The time must be set on this product before setting the schedule.
- Make sure that it does not conflict with other schedules.

The scheduled backup is now successfully set.

To back up to other HDL-CEWs

- 1 Click  on the configuration screen and then click [Backup setting].

Backup Setting


From NAS To Destination
NAS Path: **disk**  

Description:

Select your backup destination:

☐ Backup to USB
no usb device found

☒ Backup to NAS

Host: 


User Name:








User Password:

When to execute

Weekdays: ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun



Hours Minutes: 17 0 Minutes



- 2 Select a backup source and then select [Backup to NAS].

Backup Setting


From NAS To Destination
NAS Path: **disk**  

Description:

Select your backup destination:

☐ Backup to USB
no usb device found

☒ Backup to NAS

Host: 


User Name:

User Password:

When to execute



Weekdays: ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun

Hours Minutes: 17 0 Minutes



- 3 Click [Search for NAS], select a folder shared with the HDL-CEW series connected to the same network, and then click the [OK] button.

Backup Setting


From NAS To Destination
NAS Path: **disk**  

Description:

Select your backup destination:

☐ Backup to USB
no usb device found

☒ Backup to NAS

Host: 


User Name:


User Password:

When to execute





Weekdays: ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun

Hours Minutes: 17 0 Minutes







Network Neighbor Browser

 LANDISK-
 LANDISK-
 LANDISK-
 LANDISK-



aaa
disk
Default_share
iTunes
Default_iTunes_share

Location:

- 4 If any access permission is set for the selected shared folder, enter the [Username] and [Password] fields.
* No entry is required if it is shared by all users.

Backup Setting


From NAS To Destination
NAS Path: **disk**  

Description:

Select your backup destination:

☐ Backup to USB
no usb device found

☒ Backup to NAS

Host: 


User Name:

User Password:

When to execute



Weekdays: ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun

Hours Minutes: 17 0 Minutes



- 5 Set the backup time in [Schedule setting] and click the [Setup scheduled backup] button.

Backup Setting


From NAS To Destination
NAS Path: **disk**  

Description:

Select your backup destination:

☐ Backup to USB
no usb device found

☒ Backup to NAS

Host: 


User Name:

User Password:

When to execute

Weekdays: ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun


Hours Minutes: 17 0 Minutes



The scheduled backup is now successfully set.

Check the schedule

- 1

Click  on the configuration screen and then click [Backup setting list].

Backup Setting List

Backup Setting

Backup Setting List


Backup Source	Backup Destination	Week			②Click	Action	Description
disk	LANDISK- /disk	Mon	23	0		<div>EditDelete</div>	
disk	LANDISK- /disk	Tue	0	0		<div>EditDelete</div>	
disk	LANDISK- /disk	Wed	1	0		<div>EditDelete</div>	

①Click

The list of scheduled backup settings will be displayed.

Change/delete the schedule

- 1

Click  on the configuration screen and then click [Backup setting list].

Backup Setting List

Backup Setting

Backup Setting List

Backup Source	Backup Destination	Weekdays	Hours	Minutes	②Click	Action	Description
disk	LANDISK- /disk	Mon	23	0		<div>EditDelete</div>	
disk	LANDISK- /disk	Tue	0	0		<div>EditDelete</div>	
disk	LANDISK- /disk	Wed	1	0		<div>EditDelete</div>	

①Click

- 2

Click the [Change] button to display the schedule setting screen to change the setting details.
Click the [Delete] button to delete the scheduled backup.

Backup Setting List

Backup Setting

Backup Setting List

Backup Source	Backup Destination	Weekdays	Hours	Minutes	Function	Action	Description
disk	LANDISK- /disk	Mon	23	0	Change	<div>EditDelete</div>	
disk	LANDISK- /disk				Change	<div>EditDelete</div>	
disk	LANDISK- /disk	Wed	1	0	Change	<div>EditDelete</div>	


Click

Quick copy

The quick copy function enables the copying of data in your digital camera or USB memory connected to the USB [HOST] port into a pre-specified shared folder of this product once your digital camera or USB memory is connected to the USB [HOST] port. The quick copy function works only if the operation mode of the USB [HOST] port on this product is set to [quick copy].

Step 1: Setup the USB port

The default operation mode of the USB [HOST] port is set to [Disabled]. Change the port setting by following the steps below.

- 1 Click  on the configuration screen and then click [USB port].




- 2 Select [quick copy] and then click the [Apply] button.



Step 2: Select a copying destination

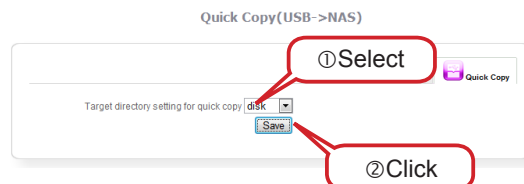
Set a shared folder to which data in your digital camera or USB memory will be copied.

* The default destination is set to the [disk] folder.

- 1 Click  on the configuration screen and then click [quick copy].



- 2 Select a copying destination shared folder and then click the [Apply] button.



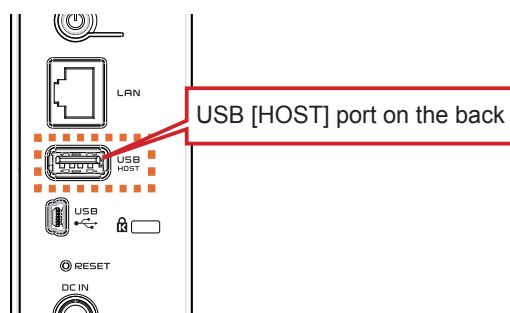
Step 3: Use the quick copy function

This function allows you to copy data in your digital camera or USB memory to this product just by inserting it into the USB [HOST] port.

Note

- Make sure it is connected to the USB [HOST] port.

- 1 Connect your digital camera or USB memory to the USB [HOST] port on this product. It automatically starts copying. The STATUS light blinks while they are being copied.



- 2 The copy is complete if several beeps are heard and the [STATUS] light changes from blinking to being lit. Remove the digital camera or USB memory.

The data is now successfully copied.

• Data copying destination

Data is copied into the [quick copy] folder, which is created automatically under the copying destination shared folder (default to [disk] in built-in hard disk).

In addition, a folder “based on the time of copying [year month day - time]” is created under this folder, into which data in your digital camera or USB memory will be copied.

[Specified disk shared folder] - [quick copy] - [year month day - time]

Even when copying multiple digital camera or USB memories, data is distinguished by each individual [year month day - time] folder so that they will not be overwritten.

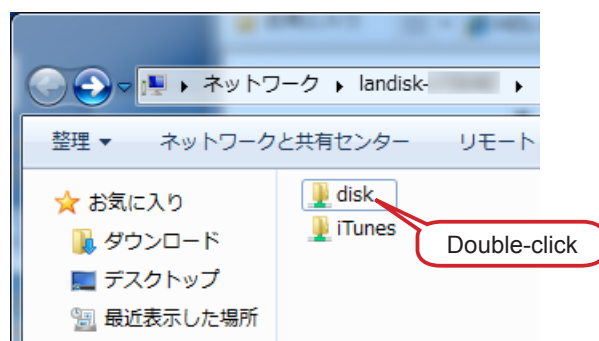
Step 4: Check copied data

Check whether or not the digital camera or USB memory data is copied properly.

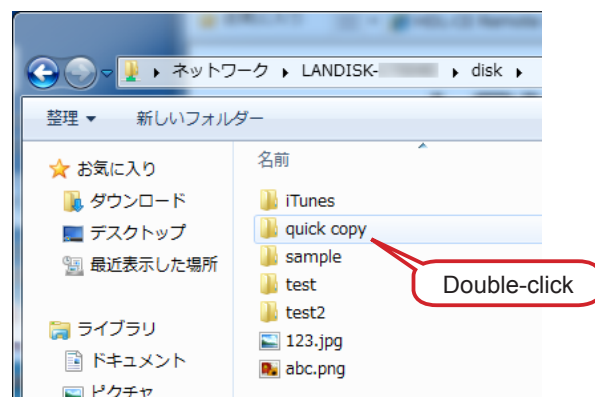
Here is an example as an explanation on how to check data copied into the [disk] shared folder in the built-in hard disk of this product.

- 1 Access this product over the network to display the shared folder.

- 2 Double-click the [disk] folder.



- 3 Confirm that a [quick copy] folder is created and then double-click this folder.



• [quick copy] folder

A folder is automatically created when the quick copy function is executed.

- 4 Confirm that a “year month day - time” folder is created and then double-click this folder to confirm files are copied.
→ Copied file(s) and/or folder(s) will be displayed.

• [year month day - time] folder

A folder is automatically created under the [quick copy] folder based on the time and date to start copying data in your digital camera or USB memory when the quick copy function is executed.

As an example, [20110713-150145] means a folder created when it started copying on July 13, 2011 at 15:01:45.

Access this product while you are out (Remote Link 2)

Remote Link 2 function



The Remote Link 2 function allows you to access files saved in the [disk] or [iTunes] folders on this product from your PC or Smartphone while you are out.

* Newly created share folders cannot be set to public folders accessible with the Remote Link 2 function.

Note

- In order to use this function, an environment is required in which global IPs are distributed by the provider.
- You may not use this function in an environment in which there are multiple routers.
- This product does not support dynamic DNS services other than "iobb.net".
- You cannot access using a domain name from a PC which is in the same LAN as the server you are trying to access. Confirm that you can access using a domain name from external different networks. When connecting the same LAN as the server from within, you must access using a local IP address.
- To use the Remote Link 2 function, you must have a broadband line.
- Movie contents with higher bit rates (more than 8Mbps) may not be played properly.
- The Remote Link 2 function may cause quality deterioration such as images that are unclear, interrupted, or invisible dependent on your usage environment, communication environment, or congestion of the connection line. Please understand this in advance.

File format that can be played or opened


	Browser version (Format that can be previewed in the left lower corner of the screen)	iOS version Format that can be played (Photo viewer)	Android version Format that can be played (Photo viewer)
Supported devices	Internet Explorer 7/8/9 or higher Safari 3.0 or higher	iOS 4.2 or higher iPhone 4/3GS/3G iPad2/iPad iPod Touch 4G/3G/2G	Android 2.1 or higher For compatible devices, see our homepage (http://www.iodata.com)
Image files	jpg, jpeg, png, gif, bmp	jpg, jpeg, png, gif	jpg, jpeg, png, gif, bmp
Music files	mp3, wav	mp3, m4a, wav	mp3, m4a, wav, midi, ogg * It may be different depending on the player installed on your device.
Movie files	flv	mov, mp4, m4v, 3gp	mp4, m4v, 3gp * It may be different depending on the player installed on your device.
Document files	Cannot browse directly through the browser. * They can be browsed through software installed on your PC after downloading them onto your PC.	doc, docx, xls, xlsx, ppt, pptx, pdf, txt, rtf, htm, html, vcf, key, numbers, pages	doc, xls, pdf, txt * It may be different depending on the viewer installed on your device.

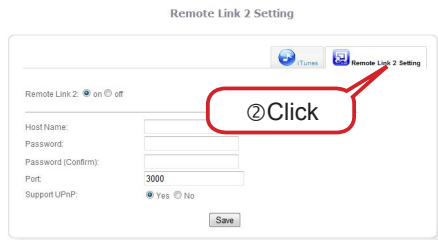
Note

- To play or open files in the formats described above, the player program on your model is used.
- Depending on the player on your model, files may not be played or opened.

Setting the Remote Link 2

This setup must be performed using a PC on the same LAN as the LAN DISK.

- 1 Click  on the configuration screen and then click [RemoteLink2 setting].



Remote Link 2 Setting

Remote Link 2: ☒ on ☐ off

Host Name:

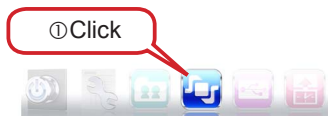
Password:

Password (Confirm):

Port:

Support UPnP: ☒ Yes ☐ No

②Click



- 2 Select [on] for the [Remote Link 2].



Remote Link 2 Setting

Remote Link 2: ☒ on ☐ off

Host Name:

Password:

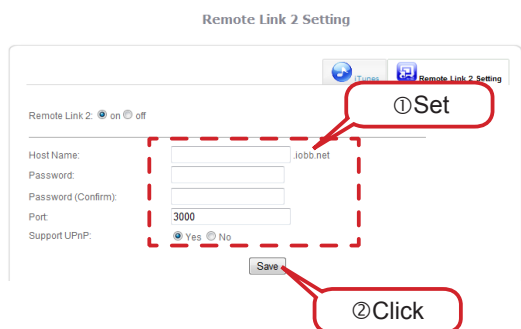
Password (Confirm):

Port:

Support UPnP: ☒ Yes ☐ No

Click

- 3 Enter the [connection name], [password] and [password (confirmation)] fields and then select [use] for [UPnP function].
* You do not need to set the [Port] field if the UPnP function is going to be used.



Remote Link 2 Setting

Remote Link 2: ☒ on ☐ off

Host Name:

Password:

Password (Confirm):

Port:

Support UPnP: ☒ Yes ☐ No

①Set

②Click

Setup is now successfully completed.

Note

- To access this product while you are out, your user and user password must be registered on this product. User registration must be completed in advance.
See “for the user registration procedure” (Page 3-14) See .

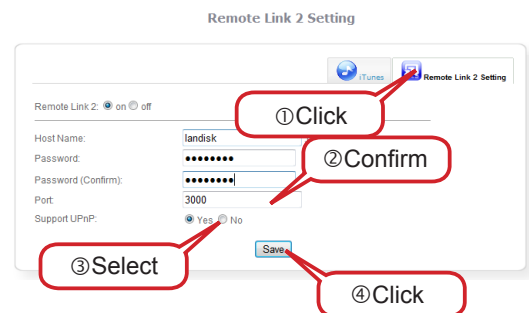
When the Port setup is not allowed in the UPnP function

- In some environments, you may not be able to set a port for your router by using the UPnP function through the LAN DISK configuration screen.

If an error message related to your router such as “No router found to support the UPnP.” is displayed on the status screen, follow the steps in “Hint” below.

“Hint”

- ① Open [Remote Link 2 setting] on the configuration screen.
- ② Confirm the port number in the [Port] field. (default value: 3000)
- ③ Change the [UPnP function] setting to [do not use].
- ④ Click the [Apply] button.



Remote Link 2 Setting

Remote Link 2: ☒ on ☐ off

Host Name:

Password:

Password (Confirm):

Port:

Support UPnP: ☒ Yes ☐ No

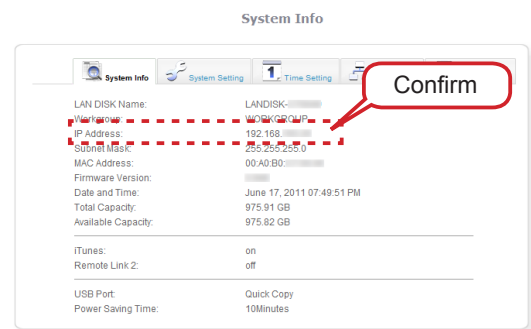
①Click

②Confirm

③Select

④Click

- ⑤ Check the [IP address] field of this product in [device information].



System Info

LAN DISK Name: LANDISK-XXXXXX

IP Address: 192.168.1.100

Subnet Mask: 255.255.255.0

MAC Address: 00:AD:B0:XXXXXX

Firmware Version: 1.00

Date and Time: June 17, 2011 07:49:51 PM

Total Capacity: 975.91 GB

Available Capacity: 975.82 GB

iTunes: on

Remote Link 2: off

USB Port: Quick Copy

Power Saving Time: 10Minutes

Confirm

- ⑥ Set your router so that the port number (default value: 3000)

confirmed in ② is freed for the IP address of this product.

- * For the router configuration method, please refer to your router's manual or contact your router maker.

It is now successfully disabled.

Access from a PC outside of your home

Follow the steps below on your PC used to remotely access this product such as while you are out.

Access

- 1 Start the “Remote Link 2” created on the desktop in the “Setup on Windows (LAN connection)” section on the “Configuration Guide” included with this product.
* If no icon is displayed such as Mac OS, access <http://rm2.iobb.net>.



- 2 Enter the connection name set in the [Remote Link 2] on the configuration screen and then click the [Connect] button.



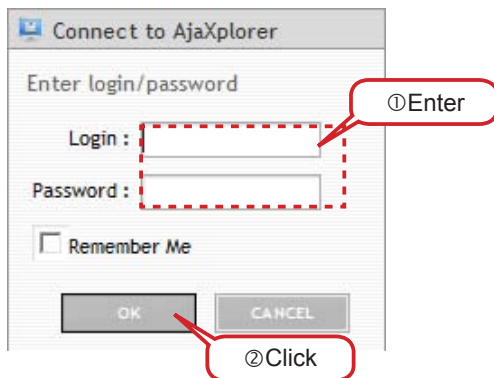
①Enter

jobb.net

connect

②Click

- 3 Enter the [Username] and [Password] fields as registered at user registration and then click the [Login] button.

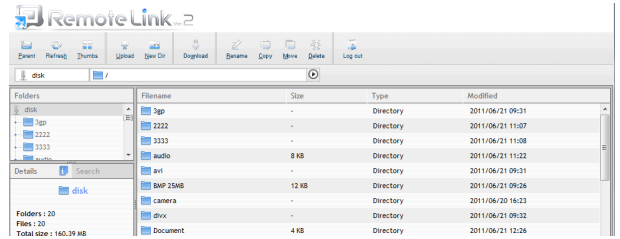


Username Enter the [Username] and [Password] fields as set in

Password [Create user] on the configuration screen of this product.



If the screen shown below appears, this product is now being successfully accessed.



Adobe Flash Player

To use the Remote Link 2 function, you must have “Adobe Flash Player” installed on your PC.

If an error is displayed on the top of the screen, install “Adobe Flash Player.”

Click the message to follow the instructions displayed on the screen.



Once installation is complete, access it again to confirm that no message is displayed.

Note

- Note that the password here is different from the password registered in [Remote Link 2].

Access from iPhone or iPad

Follow the steps below on your iPhone or iPad to remotely access this product.

Obtain appli

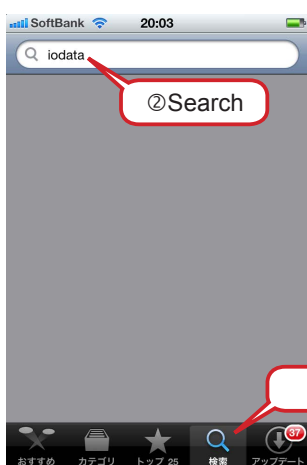
Install "Remote Link 2 for CE" appli available from the AppStore.

- 1 Tap the [AppStore] icon.



Tap

- 2 Search for [iodata] to install the "Remote Link 2 for CE".



① Tap

② Search

It is now successfully installed.

Register to access remotely

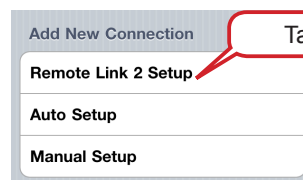
This section describes how to add in the [Remote Link 2] in order to access this product remotely.

- 1 Tap the [Remote Link 2 for CE] icon.



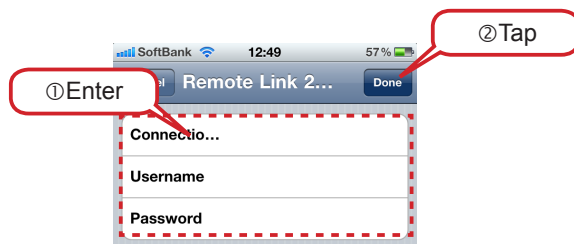
Tap

- 2 Tap [Remote Link 2].



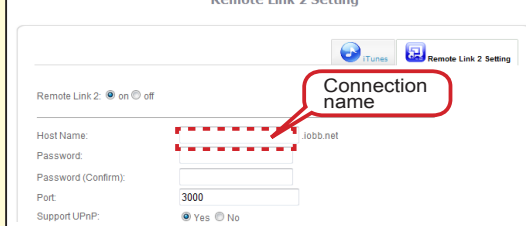

Tap

- 3 Enter information set for this product and then tap the [Complete] button.



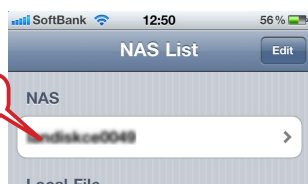
① Enter

② Tap

Connect destination	Enter the [connection name] set for the [Remote Link 2] on the configuration screen of this product.  A screenshot of the 'Remote Link 2 Setting' screen. It shows a toggle switch for 'Remote Link 2' which is currently 'off'. Below the toggle, there are input fields for 'Host Name', 'Password', 'Password (Confirm)', 'Port', and 'Support UPnP'. A red circle with the number '1' and the text 'Connection name' points to the 'Host Name' field.
Username Password	Enter the [Username] and [Password] fields as set in [Create user] on the configuration screen of this product.  A screenshot of the 'Add User' screen. It shows input fields for 'User Name', 'Description', 'Password', and 'Password (Confirm)'. A red circle with the number '1' and the text 'Username' points to the 'User Name' field. Another red circle with the number '2' and the text 'Password' points to the 'Password' field.

This product (LAN DISK name) will be displayed under the connection destination.

This product is now successfully added to the connection destination.

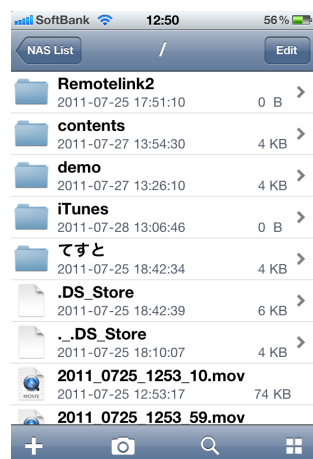
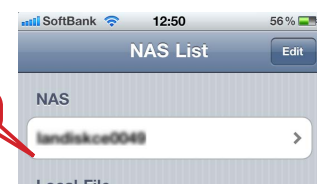


Access from outside

- 1 Tap the [Remote Link 2 for CE] icon.



- 2 Tap the registered connection destination.



This product is now being successfully accessed.

Tap a file to play.

Register to use in the same LAN as this product

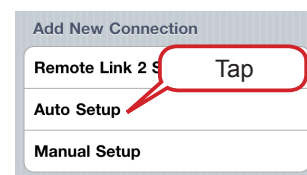
When using in the same LAN as this product such as at home, use the [Automatic setting] function.

* A wireless LAN environment is required.

- 1 Tap the [Remote Link 2 for CE] icon.



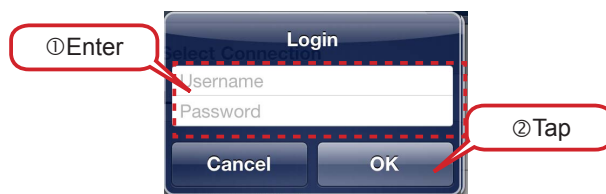
- 2 Tap [Automatic setting].



- 3 Tap the [LANDISK-xxxxxx] found automatically.
* "xxxxxx" represents the last 6 digits of the MAC address.
* If the [LAN DISK name] is changed, the new name is displayed.



- 4 Enter the [Username] and [Password] fields and then tap the [Login] button.

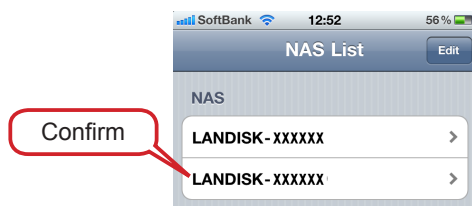


Username Password Enter the [Username] and [Password] fields as set in [Create user] on the configuration screen of this product.



This product (LAN DISK name) will be displayed under the connection destination.

This product is now successfully added to the connection destination.

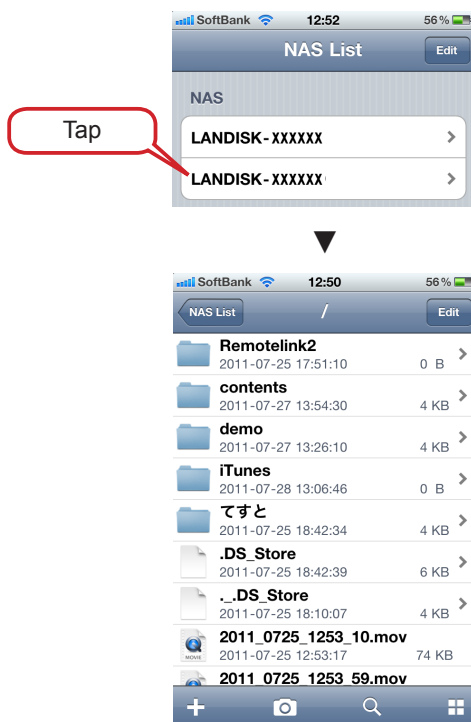


Access from within the same LAN as this product

- 1 Tap the [Remote Link 2 for CE] icon.



- 2 Tap the registered connection destination.



This product is now being successfully accessed.

Tap a file to play.

Access from Android device

Follow the steps below on your Android device to remotely access.

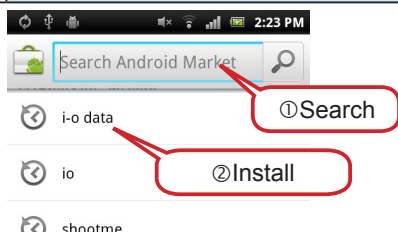
Obtain appli

Install the “Remote Link 2 for CE” appli available from the AndroidMarket.

- 1 Tap the market icon.



- 2 Search for [iodata] to install the “Remote Link 2 for CE”.



It is now successfully installed.

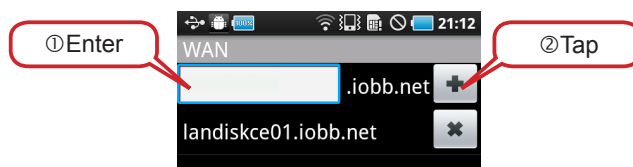
Register to access remotely

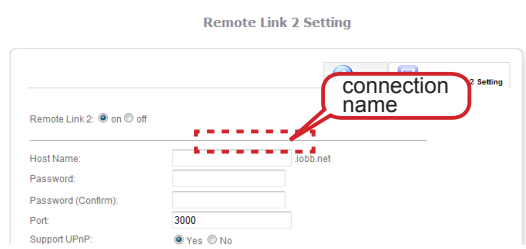
In order to access this product remotely, it must have been set in advance.

- 1 Tap the [Remote Link 2 for CE] icon.



- 2 Enter the connection destination set for this product and then tap the [+] button.



Connect destination	<p>Enter the [connection name] set for the [Remote Link 2] on the configuration screen of this product.</p> 
---------------------	--

This product (LAN DISK name) will be displayed in the [WAN] field.

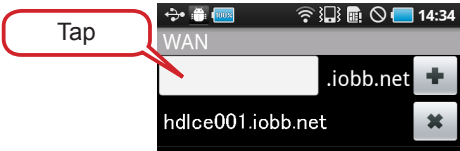
This product is now successfully added to the connection destination.

Access from outside

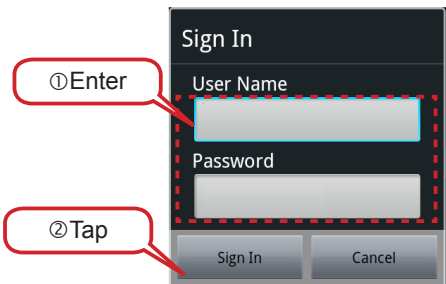
1 Tap the [Remote Link 2 for CE] icon.



2 Tap the registered connection destination.



3 Enter the [Username] and [Password] fields and then click the [OK] button.



Username	Enter the [Username] and [Password] fields as set in [Create user] on the configuration screen of this product.
Password	

Add User

A screenshot of the "Add User" configuration screen. It has fields for "User Name:", "Description:", "Password:", and "Password (Confirm):". There are "Save" and "CANCEL" buttons at the bottom. A red dashed box surrounds the "Password" and "Password (Confirm)" fields. A red speech bubble with "Username" points to the "User Name" field, and another red speech bubble with "Password" points to the "Password" field.

This product is now being successfully accessed.
Tap a file to play.

Access from within the same LAN as this product

This setup is used when using in the same LAN as this product such as when you are at home.

* A wireless LAN environment is required.

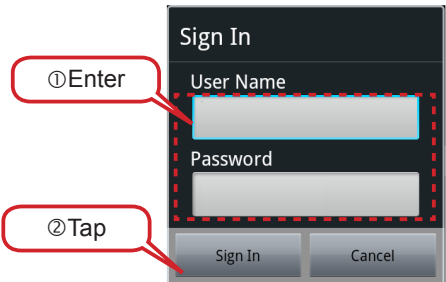
1 Tap the [Remote Link 2 for CE] icon.



2 Tap the IP address of the product to access displayed in the [LAN] field.



3 Enter the [Username] and [Password] fields and then click the [OK] button.



Username	Enter the [Username] and [Password] fields as set in [Create user] on the configuration screen of this product.
Password	

Add User

A screenshot of the "Add User" configuration screen. It has fields for "User Name:", "Description:", "Password:", and "Password (Confirm):". There are "Save" and "CANCEL" buttons at the bottom. A red dashed box surrounds the "Password" and "Password (Confirm)" fields. A red speech bubble with "Username" points to the "User Name" field, and another red speech bubble with "Password" points to the "Password" field.

This product is now being successfully accessed.
Tap a file to play.

Use as iTunes server

iTunes server

Using the iTunes Server function allows you to play music files saved in the [iTunes] folder of this product on a PC installed with iTunes connected to the network.

• iTunes required for this product

For Windows iTunes7 or higher

For Mac OS X iTunes7 or higher or 6.0.5

iTunes is available from the apple homepage (<http://www.apple.com/jp/itunes/download/>).

• File formats published on iTunes Server

This product only supports files with the file extensions listed below.

Type	File Extensions
Music	mp3 m4a m4p

* Files with the file extensions listed above may not be played depending on each file.


Before starting to use, please carefully read the following.

Note

- The number of files in public folders should not exceed 10,000 in total.
- When adding/deleting files in public folders, the database must be updated in order to reflect the most recent state of iTunes. During updating the database, you cannot play from iTunes.
- If the number of files contained in public shared folders is high, it may take time to connect from iTunes.
- Do not remove or move files being played or shared folders containing files being played on this product while iTunes is playing.
- When concurrently playing or operating such as copying from a PC to this product or running a backup process while files are being played, dropping frames or jumpiness may be experienced depending on the files being played.
- The ID3 tag information characters for MP3 support the UTF-16 encoding. ID3 tag information encoded in formats other than UTF-16 may not be displayed properly such as song title, artist name, album name, etc. on iTunes.
- When files under copyright protection purchased from iTunes Store are shared, trying to play them on iTunes may result in the “computer authorization” screen being displayed. This is the procedure for playing files under copyright protection due to the copyright management function of iTunes. Authorizing on the “computer authorization” screen enables playing files under copyright protection on up to 5 PCs.

To disable iTunes service

If you are not going to use the iTunes service, follow the steps below to disable it.

① Click  on the configuration screen.

② Click [iTunes].

③ Select [off].

④ Click the [Apply] button.

It is now successfully disabled.

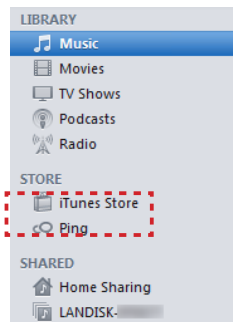


Play from iTunes

Since the iTunes service is enabled as the default setting for this product, you can play any music file just by saving it in the [iTunes] folder.

Access from iTunes

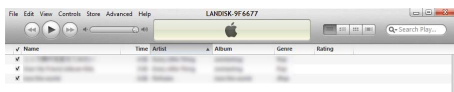
- 1 Start iTunes on a PC connected to the same network as this product.
- 2 iTunes will be launched. Confirm that the LAN DISK name of this product is automatically displayed under the iTunes shared folder.



Note

If the LAN DISK name was changed, the new name will be displayed.

- 3 Click the LAN DISK name displayed under [iTunes] to display music files published in the iTunes server function of this product.



Double-click a song title to play the music file on the PC.

To copy iTunes libraries to this product.

- ① Click [Edit] → [Setup] in iTunes.
- ② Click the [Detail] tab/icon.
- ③ Click the [Change] button for [iTunes Music folder] and select [Copy files into the [iTunes Media] folder when adding to library].
- ④ Select this product in [My Network Places] and set it as the data saving destination.

The iTunes libraries are now successfully copied to this product.

From now on, music files added to [iTunes] will automatically be added to this product.

In addition, if "library merger" is performed, data saved before this setting change will also be copied to the LAN DISK.

Check Hard Disk

Run the check disk function

The Check Disk function inspects and fixes any logical errors which may occur in a file system.

The check disk function for this product can be used only in the LAN connection mode.


Note

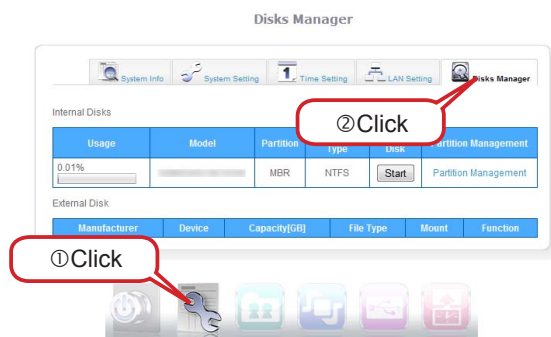
- Do not remove this product from your PC during check disk.
- You cannot stop check disk.
- This product cannot be accessed during check disk. Be careful not to simultaneously run the scheduled backup and check disk functions.

When abnormal operation is suspected

- Back up data before running the check disk function, just in case.

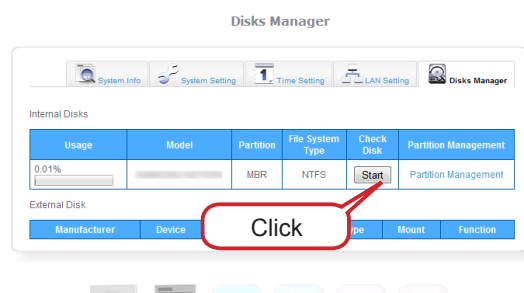
1

Click  on the configuration screen and then click [Drive information].



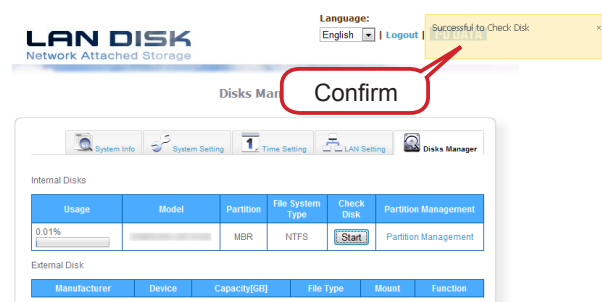
2

Click the [Start] button under [Check disk].
→ It will start checking.



3

Once check disk is completed, a message will be displayed in the right upper corner of the screen.



Check disk is now successfully completed.

Administrate the system

Change the admin password

The admin account has permission to access the configuration screen of this product.

This section describes how to change the password.

Note

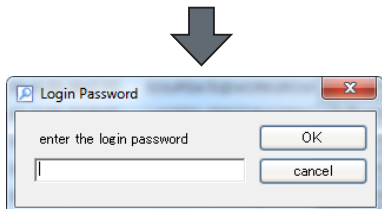
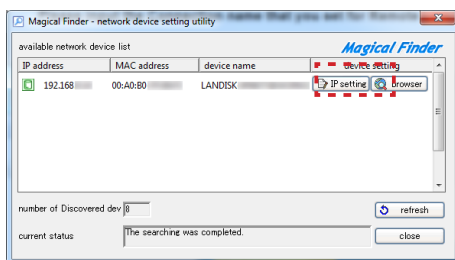
- The password must be properly stored and should not be forgotten. If the set password is forgotten, there is no way to retrieve it.
If the set password is forgotten, use the [RESET] button on the side of this product to reset it. Otherwise, the account cannot be used.
“Bringing back only the IP address and admin password to the default configuration” (Page 9-42) See
- No default admin password is set.


The admin password is used for the following tasks.

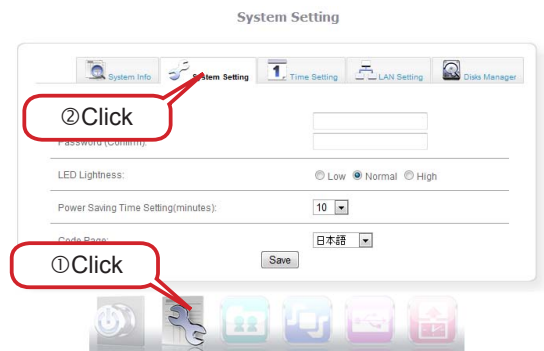
- To open the configuration screen of this product



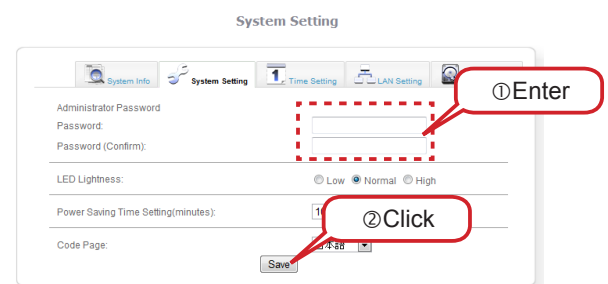
- To open the “IP Setup” screen from “Magical Finder”.



- 1 Click  on the configuration screen and then click [general settings].



- 2 Enter your password in the [Password] and [Password (confirmation)] fields and then click the [Apply] button.



Note

- Characters that can be used for the password are restricted as follows.
“List of restricted characters” (Page 11-47) See
- Because the password entered is displayed as “●●●●” and cannot be checked, be careful not to mistype.

The password for admin is now successfully set.


Update the firmware

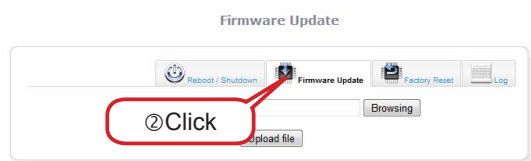
This section describes how to update the firmware.

The firmware update includes important updates such as device fixes as well as additional new functions.

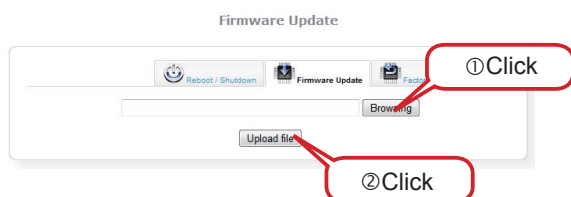
Please visit our support library (<http://www.iodata.com>) regularly to use this product with the latest firmware.

- 1 Download the firmware.
The firmware is available from our homepage below.
<http://www.iodata.com>

- 2 Click  on the configuration screen and then click [update firmware].




- 3 Click the [browse] button to select the downloaded firmware (file name: update.tgz) and then click the [update firmware] button.
The STATUS light on this product starts blinking.
Once updated, this product will be rebooted.
* It takes about 5-6 minutes although this may differ depending on the file size of the firmware and the state of this product.

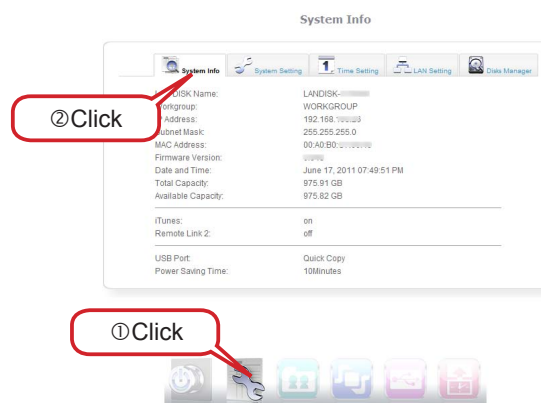


The firmware is now successfully updated.

How to check after updating

- 1 After confirming that the STATUS light is once again lit, re-open the configuration screen.

- 2 Click  on the configuration screen and then click [device information].




- 3 Confirm that the displayed version number is the latest one.

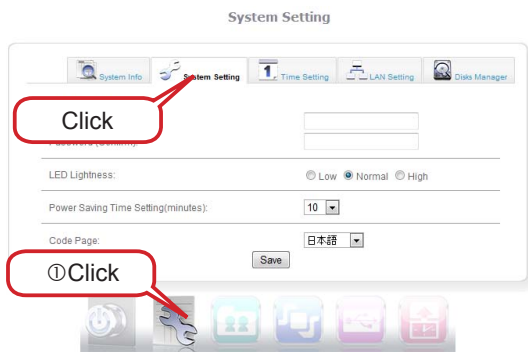
Note

- To update the firmware, disable the firewall settings on your PC.
If not, the firmware may not be properly updated.
- During firmware updates, do not turn off the power of this product.
If the power is turned off during updating, this product may be broken.
- After the firmware is updated, this product will be automatically rebooted.
Once it is successfully rebooted, the STATUS light (green) is lit under a network environment in which there is a DHCP server.
The STATUS light blinks red under a network environment in which there is no DHCP server or if it fails to obtain an IP address from the DHCP server.
- In order to successfully update the firmware, confirm that no user is accessing this product or connect this product directly to your PC alone before starting update.
- The firmware cannot be put back to a previous version.
- Once the firmware is updated, clear the browser's cache since the configuration screen may be refreshed.

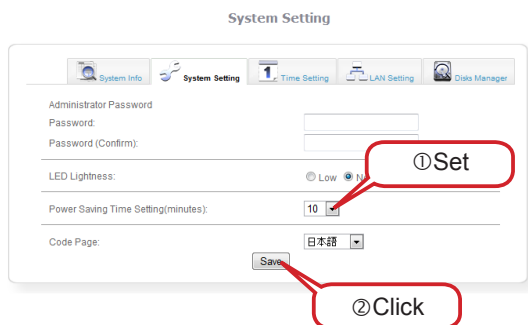
Use the power saving function

Selecting the power saving mode for the hard disk to minimize power consumption by stopping the built-in hard disk from spinning when there is no activity for a certain period of time.

- 1 Click  on the configuration screen and then click [general settings].



- 2 Select a preferred time in the [Power saving setting time] and then click the [Confirm] button.



▼ Power saving setting time

Select time	This function stops hard disk activities if this product and removable hard disks are not accessed for a certain period of time. You can change this duration until it stops. (The initial value is "10 minutes".)
-------------	--

The power saving function is now successfully set.

Note

If this product is used in the DHCP client mode, the built-in disk will spin up to update its address.

In addition, the disk may be accessed during network communication or system processing.

The longer the lease time is set for the DHCP server, the longer the spin up interval may become due to address updating.


Note

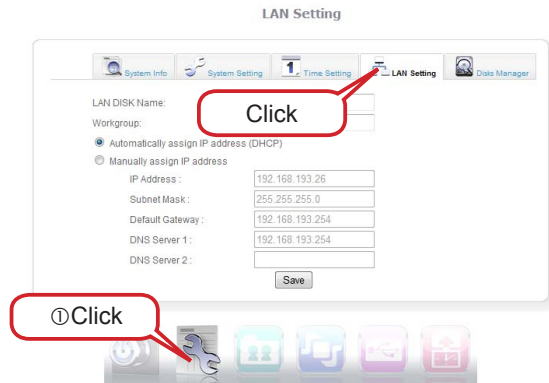
Even if a hard disk is not accessed for the specified period of time, the hard disk does not stop if the system of this product accesses the hard disk.

In addition, even if this product is not accessed while the hard disk is stopped, the hard disk may spin if the system of this product accesses the hard disk.

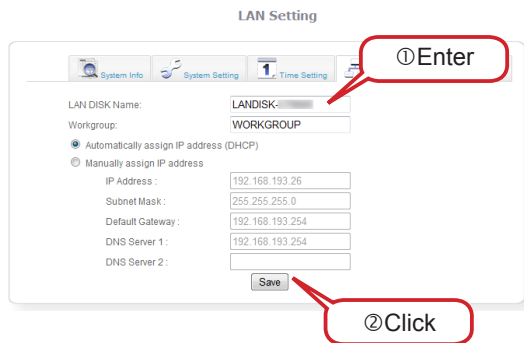
Change the LAN DISK name

The LAN DISK name can be changed to a preferred name. It is convenient if it is changed to a more recognizable name if more than one of this product are being used.

- 1 Click  on the configuration screen and then click [network configuration].




- 2 Enter the [LAN DISK name] field and then click the [Apply] button.

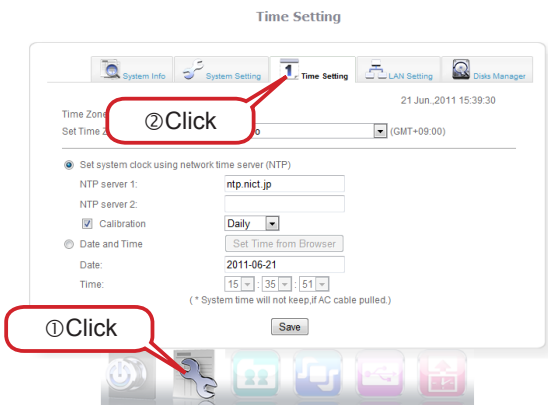


The LAN DISK name has been successfully changed.

Set the date and time

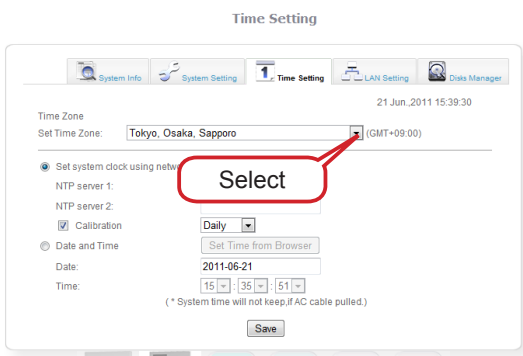
- 1

Click  on the configuration screen and then click [date and time].



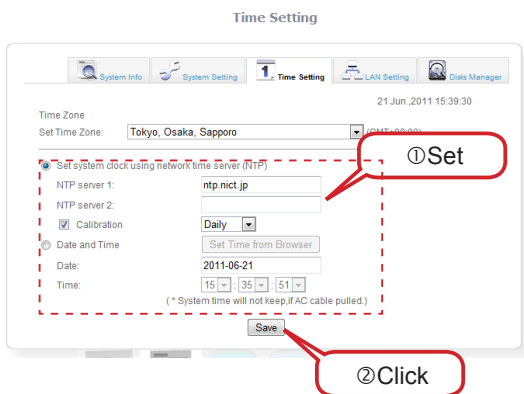
- 2

Select the time zone according to your local area.



- 3


Set the time in either way described below and then click the [Apply] button.

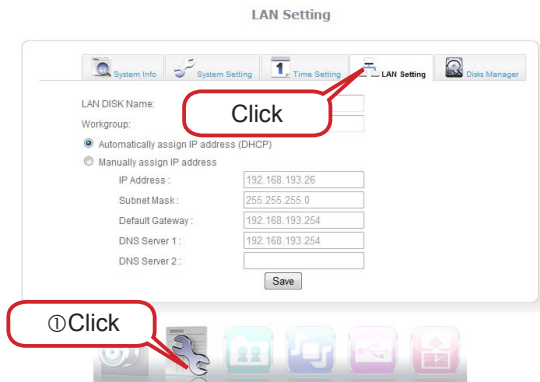


To synchronize with the time server	Select [Synchronize with time server] along with when to synchronize with the time server.
* Default setup	
To setup manually	Select [time settings] and then enter the date and time. * Click the [Set to PC time] button to fill the fields with the time set on your PC. * If the AC adapter is unplugged, the system time will not be maintained. Set the time again when it is started.

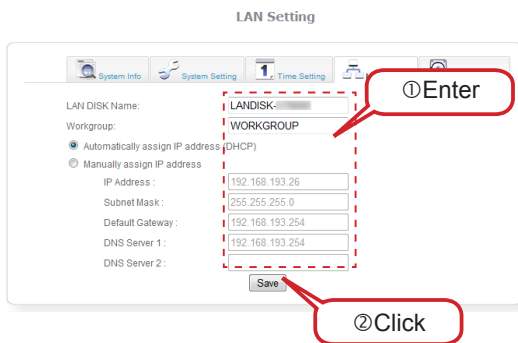
The date and time setup is now complete.

Configure the network

- 1** Click  on the configuration screen and then click [network configuration].




- 2** Set values for each item and then click the [Apply] button.
- * The default configuration is set to “Set IP address automatically.” If setting manually, select “Set IP address manually” and enter the value.



LAN DISK name	Enter the name displayed on the network of this product.
workgroup	Enter the workgroup of this product.
IP address	Enter the IP address of this product.
subnet mask	Enter the subnet mask of this product.
default gateway	Enter the default gateway of this product.
DNS Server1	Enter the DNS server1 of this product.
DNS Server2	Enter the DNS server2 of this product.

The network configuration is now complete.

Shutdown/reboot

- 1 Click  on the configuration screen and then click [reboot/shutdown].




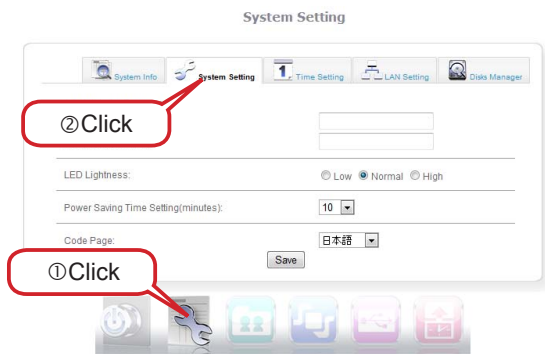
- 2 Select [Shutdown] or [Reboot] and then click the [Confirm] button.



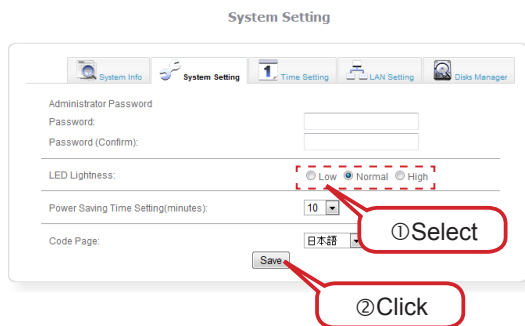
This initiates shutting down or rebooting.

Set the brightness of the light

- 1 Click  on the configuration screen and then click [general settings].



- 2 Select [Low], [Middle] or [High] in the [Brightness of Light] and then click the [Apply] button.



The brightness of the light is now successfully set.

Bringing back to the default configuration

How to bring back to the default configuration

For the cases listed below, this product must be brought back to the default configuration (initial configuration).

- When unsure of the IP address of this product
- When unsure about admin information ([admin password])

There are two ways to bring back this product to the default configuration.

Bringing back only the IP address and admin password to the default configuration

Initialize by using the [RESET] button on the back of this product.

Perform this method if forgetting the IP address or the admin password you have set when you configured this product.

Only two items below are initialized.

IP address	Select [Set IP address automatically]. If the IP address was set manually, the initial configuration must be performed again.
Admin password	Set to "None". If the admin password was previously set, the initial configuration must be performed again.

Note

- All setup information other than that listed above will not be changed.
- Data in the hard disk will remain unchanged (will not be deleted).
- During initial configuration, do not turn off the power of this product.
- This can be performed while it is still connected to the network.

1

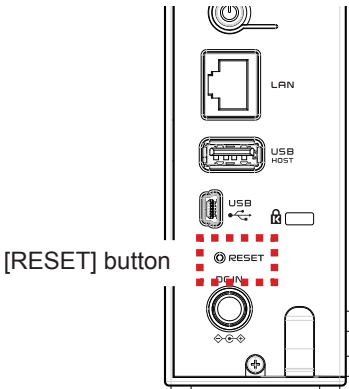
Confirm that this product is turned on (the STATUS light is lit).
Turn on the power if it is not turned on yet.

Note

- Start initialization when the power is turned on.
- Do not start initializing while the STATUS light is blinking.

2

Push the [RESET] button on the back of this product using a taper shaped item for 5 seconds or longer until the STATUS light starts blinking and a beep sound is heard.



3

The initialization is complete if the STATUS light is lit green (when there is a DHCP server) or blinking red (when there is no DHCP server).

The setup procedures need to be redone since the IP address and admin password are reset to initial values.

Bring back all settings for this product to the default configuration

Use [System initialization] on the configuration screen to initialize all the settings and format the built-in hard disks of this product.

* It takes about 7 minutes on HDL-CEW 2.0.(It depends on the volume of this product.)


Items to be initialized are as follows;

- all device settings
- all data in built-in hard disks

Note

Please back up data in the hard disks in advance.
* Data saved in the USB connection mode will be deleted as well.

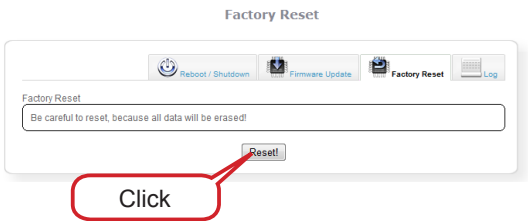
1

Click  on the configuration screen and then click [system initialization].



2

Click the [Run] button.
This will start system initialization.
This product will be automatically rebooted. Close the Web browser(s) and wait until the STATUS light on this product stops blinking.



Note

- After the [Result] screen appears, this product will be automatically rebooted. However, even after being rebooted, the system still continues the initialization process.
Please wait for a while until the STATUS light is lit blue or starts blinking red.
- If the power is turned off during the system initialization process, this product may not start properly.
Do not touch until the STATUS light is lit green or starts blinking red.

The setup procedure needs to be redone since all values are set to initial values.

Troubleshooting by light/buzz

The light and buzzer indicate whether or not the current state or operation is normal, or if any errors have occurred.

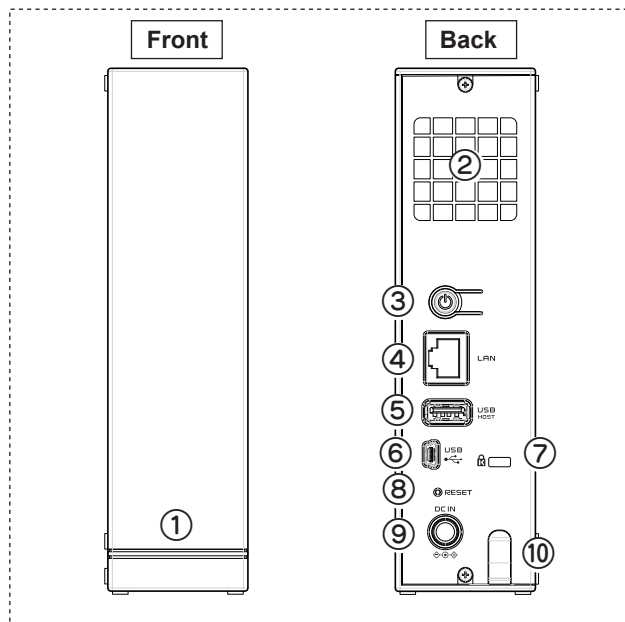
State/Operation	Buzz	During LAN connection	During USB connection	Status
Connected to an electrical outlet	N/A	Light is off	Light is off	The power of this product is not turned on.
After the power is turned on	N/A	Lit green/blue		Just after the power button is pushed.
When the system boots up	A beep sound	Blinking green	Blinking blue	The system has started booting up.
	N/A	Blinking green	Blinking blue	While the system is booting up.
	Repeated beep sounds	Blinking red	Blinking red	The system failed to boot up. This occurs when the system fails to read the built-in disk. Turn the power off, and then try it again. If this error occurs again, request repair.
	3 beep sounds	Blinking red	Blinking red	It failed to obtain the IP address. Please set the IP address manually.
	A beep sound	Lit green	Lit blue	Startup is successfully completed.
	3 beep sounds	—	Blinking blue	It is set to high speed mode (XFS). You cannot use it in the USB connection.
When the system is running	N/A	Lit green	Lit blue	The system is operating normally.
	N/A	Blinking green	Blinking blue	This product is being accessed.
	N/A	Blinking green	—	The settings are being changed.
	A beep sound	Lit green	—	The setting change is successfully completed.
	3 beep sounds	Blinking red	—	An error has occurred. Please check the message by selecting [Others] → [Log information] on the configuration screen.
	3 beep sounds	Lit green	—	Processes such as the backup function have been successfully completed.
When the system shuts down.	A beep sound	Blinking green	Blinking blue	The system has started shutting down.
	N/A	Blinking green	Blinking blue	The system is shutting down.
	N/A	Light is off	Light is off	Shutdown has successfully completed.

Specifications

Hardware Specifications

LAN	Transfer Specifications	IEEE802.3ab, IEEE802.3u, IEEE 802.3 (1000BASE-T/100BASE-TX/10BASE-T)
	Maximum Transfer Speed	1000/100/10Mbps
	Connector	RJ45×1
	Access Method	CSMA/CD
	MDI/MDI-X	Automatic Switch
	Compatible Cable	Category 5E or higher
USB host	Transfer Specifications	USB 2.0 (including 1.1)
	Maximum Transfer Speed	480Mbps
	Connector	USB A connector x 1
USB port	Transfer Specifications	USB 2.0 (including 1.1)
	Maximum Transfer Speed	480Mbps
	Connector	USB miniB connector x 1
Power Supply		AC100V 50/60Hz
Power Consumption		Max: 32W, Average: 16W
Operating Temperature and Moisture Limit		5 - 35°C / 20 - 85% (No condensation)
External Size		45W x 138D x 168H * Not including the rubber legs as well as any protrusions.
Weight		About 1.2 kg

Name/function of each section



Name	Function/State	
① STATUS light	Lit blue/green	Just after the power is turned on
	Lit blue	While operating in the USB connection mode
	Blinking blue	While processing in the USB connection mode (such as startup/exiting/accessing)
	Blinking red	System error state (failing to obtain IP address, iobb access error, connection with unsupported USB devices, backup function exiting with an error, etc.)
	Lit green	While operating in the LAN connection mode
	Blinking green	While processing in the LAN connection mode (such as startup/exiting/accessing)
	Light is off	When the power is turned off
② Fan	Cools down this product. Do not block it.	
③ Power button	Turns on/off the power of this product.	
④ LAN port	Connects the included LAN cable.	
⑤ USB [HOST] port	Connects a USB device.	
⑥ USB port	Connects the included USB cable.	
⑦ Security slot	Can attach an antitheft cable lock.	
⑧ [RESET] button	Initializes configurations for the LAN connection mode on this product.	
⑨ DC jack	Connects the included AC adapter.	
⑩ Cable hook	A hook to prevent the AC adapter from disconnecting. You can hook the AC adapter.	

List of restricted characters

• Characters that can/cannot be used on the configuration screen

When setting the following items on the configuration screen of this product, only half-width alphanumerical characters can be used. In addition, allowable characters for use are limited for each item.

The following characters cannot be used for each item. (Do not include any spaces in the password.)

Item name	Number of characters	Allowable characters	Non-allowable characters
workgroup	15 characters or less	Other than [Non-allowable characters]	¥ / ~ : , ' ; * ? " < > ` [] = + . space (Cannot use character strings beginning with a hyphen "-")
Comment	48 characters or less	Other than [Non-allowable characters]	¥ ~ \$: , " ' [] (Cannot use character strings beginning with a hyphen "-")
Username	20 characters or less	Other than [Non-allowable characters]	¥ ~ / : , ' ; * ? " < > ` [] = + . @ () # % ^ ! & { } space (Cannot use upper-case letters) (Cannot use character strings beginning with a hyphen "-") (Cannot set using only numbers)
Password		Other than [Non-allowable characters]	¥ : , ; * < > ' [] = + . ` () ~ " / ? spaces (Cannot use character strings beginning with a hyphen "-")
LAN DISK name	14 characters or less	Half-width alphanumerical characters 0-9, A-Z, a-z (Cannot use character strings beginning with numbers) Underscore "_" Hyphen "-" (Cannot use character strings beginning with a hyphen "-")	Cannot use character strings containing symbols other than [allowable characters] and/or spaces
Shared folder name	12 characters or less	Half-width alphanumerical characters 0-9, A-Z, a-z Underscore "_" Hyphen "-" (Cannot use character strings beginning with a hyphen "-")	

• Characters that can/cannot be used for Remote Link 2 setup

Item name	Number of characters	Allowable characters	Non-allowable characters
Host name	Between 3 and 16 characters (including)	Half-width lowercase letters a-z, half-width numbers 0-9 Hyphen "-" (Cannot use character strings beginning with a hyphen "-") (Cannot use character strings ending with a hyphen "-")	Cannot use other than [allowable characters]
Password	Between 6 and 8 characters (including)	Half-width lowercase letters a-z, half-width numbers 0-9 Hyphen "-" (Cannot use character strings beginning with a hyphen "-") (Cannot use character strings ending with a hyphen "-")	Cannot use other than [allowable characters]

• File name and folder name character restrictions

Allowable names of files or folders on this product must be up to the number of characters listed below depending on your OS.

“Windows” Up to 255 half-width characters (85 full-width characters)

* The number of characters may decrease depending on the type of characters used.

* Windows 7 or Vista can handle more characters compared to previous Windows OS. Therefore, if characters only usable on Windows 7 or Vista are used for file or folder names saved in shared folders, they may not be displayed properly when browsed through previous Windows OS.

In order to avoid any problems due to differences in ability to display characters between Windows 7 or Vista and previous Windows OS, make sure that necessary precautions are taken with reference to the information [JIS X 0213:2004 Support] and [New Japanese ClearType Font Meiryo] disclosed from Microsoft

(http://www.microsoft.com/japan/windows/products/windowsvista/jp_font/default.msp).

“Mac OS” Up to 255 half-width characters (85 full-width characters) on Mac OS X.