

NEXTO DI STORAGE BRIDGE

The Modular Memory card Backup System



- User Guide
- Version Sep. 2014

NextoDI Co., Ltd.
www.nextodi.com

Thank you for purchasing the NEXTO STORAGE BRIDGE (NSB-25).

Please read this manual before using the product. Follow operating instructions carefully to avoid damage on the product, or personal injury. This guide assumes that your NSB-25 unit contains a properly formatted hard drive and a charged battery. If this is not the case, please refer to the User Manual for instructions on formatting a hard drive and charging the battery.

Important safety notice

- The color or shape of the product you purchased may be a rather different from the representative image.
- NextoDI Co., Ltd. reserves the right to make improvements and/ or changes to the product and programs described in this User's Guide at any time without notice.
- Do not drop, bump, shock, or expose the NSB-25 to vibration during video preview or while data is being transferred.
- Do not use near open flames (candles, stoves, grills, fires) or sparks (fireworks, welding torches).
- NextoDI does not offer and guarantee a service for data loss. For your important data, the additional separate backup is recommended. For more secure data management, backup your data to an extra hard drive periodically. Under no conditions is NextoDI, Inc. liable for loss of, or damage to, a computer; or loss of, or damage to, a program, records, or data; or any consequential or incidental damages.
- This product can be used for business purpose as registered by EMI compliance.

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Origin	Korea
Manufacturer	NextoDI Co., Ltd

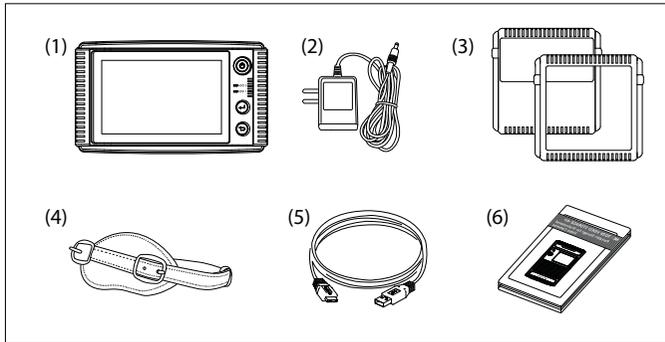
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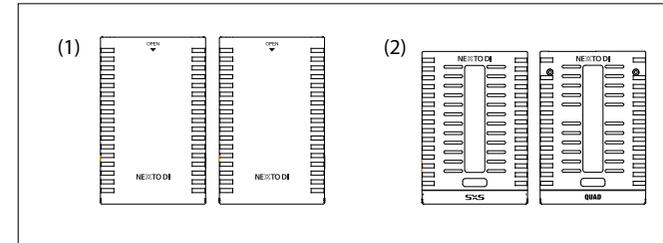
1. Contents of the NEXTO STORAGE BRIDGE

1.1. Main Package



- (1) Main storage unit
- (2) AC power adapter (12V/2A)
- (3) Shock protective rubber jacket:
Put on both side of the main body
- (4) Hand strap
- (5) USB 3.0 cable
- (6) User guide

1.2. Sampler Pack (Optional)

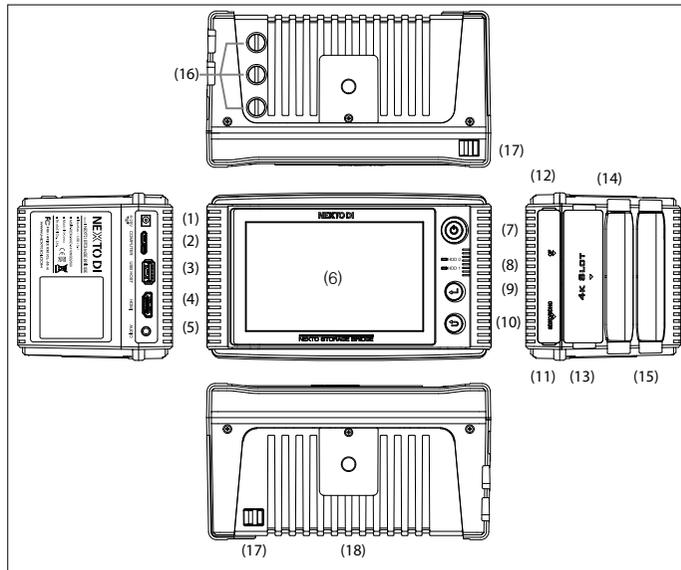


- (1) Bridge Pellet x 2ea
Hard drive (or SSD) protection rubber filler
Mini screwdriver and screw set
Rubber cover jacket

- (2) Bridge Memory Module x 2ea (Optional)

Type 1	SxS / XQD / express P2
Type 2	RED / CFast / PAK MEDIA / 2.5 inches SATA drive
Type 3	P2

2. Device Diagram



(1) DC IN slot for AC power adapter unit (6~25V, 24W)

Plug Spec : \ominus \oplus Ext 3.5Φ, Int 1.3Φ

(2) USB 3.0 device slot

(3) USB 3.0 host slot

(4) HDMI output

(5) Audio(Stereo) Jack

(6) LCD Display

(7) Power button

(8) Speaker

(9) Enter button

(10) Back button

(11) SD/SDHC/SDXC slot

(12) Compact Flash slot

(13) Bridge Memory Module(Sold separately) slot

(14) Bridge Pellet 0(Sold separately) slot

(15) Bridge Pellet 1(Sold separately) slot

(16) Lock Dial for Memory Module & Bridge Pellet

(17) Eyelet for camera strap

(18) Tripod socket: 3/8 Unif

3. Product Description

NEXTO STORAGE BRIDGE (hereinafter NSB-25) provides the following functions.

3.1. Memory card backup and verify

NSB-25 contains a 2.5" SATA hard drive or SSD (Solid State Disk) and a Li-Poly rechargeable battery. NSB-25 provides an expandable backup solution, designed for the flexibility to create a backup from almost every memory card – SxS, XQD, CFast, P2, Express P2, AXSM, REDMAG, AJA Quad, 2.5inch SATA drive as well as CF, SD, SDHC, SDXC with the built-in slot.

It can copy the contents of a memory card to the internal hard drive without a PC-- even in the field where no electric power source is. For complete backup information, see Chapter 12 of this manual. (Page 22)

3.2. Show video & picture

NSB-25 plays back 2K or preview 4K clips on its 5 inch color TFT LCD monitor or external monitor through HDMI interface.

For details on Show Video, see chapter 13. (Page 26)

3.3. Simultaneously backup to three drives (MCOPY)

NSB-25 performs backup to three drives through a single operation with creating three copies to 2 internal hard drive modules and one external USB 3.0 (or RAID) drive simultaneously. For details see chapter 11 and chapter 12. (Page 21, 22)

3.4. Computer connection

NSB-25 can connect to a corresponding port on a computer in order to copy data. For Computer Connections, see chapter 16. (Page 32)

3.5. Copy all files to another drive (SYNC)

NSB copies all files from an internal drive module to another drive. Only those files and folders that have changed from the last sync will be copied.

For details on SYNC, see chapter 14. (Page 28)

3.6. Export folders

The selected folders can be moved from an internal hard drive module to another drive. For the details on how to export folders, see chapter 15. (Page 30)

3.7. Easy to use operating buttons

All functions can be operated using of 3 buttons – Power, Enter, Back and touch screen, the operative status is displayed on LCD. See chapter 9 for the basic functions and operations such as power on & off and operating buttons. (Page 13)

3.8. Internal rechargeable battery

The NSB-25 contains an internal Li-Poly battery that enables the NSB-25 to be used without the power adapter. The power adapter is used to charge the internal Li-Poly battery. For details on charging the internal battery, see chapter 8. (Page 11)

3.9. LOG File

NSB-25 generates a LOG file (CRC-protected) to keep track of usage by the user and then saves it on each attached drive (bridge pellet & USB external drive). The log file provides information about XCopy, MCopy, Sync, computer connectivity etc. For details on keeping track of usage with LOG file, see chapter 17. (Page 35)

3.10. Firmware upgrade

In the case of any additional improved or new functions, new firmware will be updated. For details on updates of F/W, see chapter 19. (Page 43)

4. Symbols Used in This Document



Warning

The flash icon in a triangle indicates warning for personal injury hazards such as electric shock.



Caution

An exclamation mark in a triangle indicates important instructions which must be observed.



Reference

An introduction of useful tips for using the product

5. Safety Instructions



Caution

- In case of any damage due to failure to observe these operating instructions, the warranty will be voided. NextoDI does not assume liability for consequential damages. Nor do we assume liability for damage to property or personal injury caused by improper use or failure to observe the safety instructions. The warranty would be voided in any such case.

The following safety instructions and warnings are not only to protect you, but also to protect the device. Please read the following warnings:



Warning

- Unauthorized conversion and/or modification of the product is forbidden for safety reasons.
- Never open the product housing. This device is not user serviceable.
- Damage to the Li-Poly rechargeable battery may result in explosion or fire.
- Maintenance or repairs may only be carried out by an authorized repair center.
- The AC power adapter unit is intended for use in dry conditions to avoid electric shock.



Warning

- The case of the hard disk must not get damp or wet. Protect the device from humidity and water, from sun, excessive heat (>113°F) or cold(<32°F), dust and dirt.
- When the product is brought from a cold place into a warm room, condensation may form. This could damage the product. Always let the product get to room temperature before use or before connecting the AC power adapter unit. This could take several hours.
- Do not use in tropical climate conditions.
- The AC power adapter unit complies with safety class II. As a voltage source only a proper power socket of the public power supply system may be used. Note the input voltage/frequency imprinted on the AC Adapter. It must correspond to the voltage/frequency of the power outlet. The AC power adapter is equipped with an input voltage range of 100 ~ 240V, 50/60Hz.
- The product is not a toy and should be kept out of reach of children.
- Do not place liquid near the product. Liquid could get inside the housing and cause a fire or electric shock. In case of fire damage or short circuit, de-energize the respective socket (e.g. turn off circuit breaker) and only then pull the AC power adapter unit from the socket. Do not attempt to use the product! Take it to your dealer for repair immediately.
- Never touch the AC power adapter unit when your hands are damp or wet.
- In industrial facilities, safety regulations for electrical equipment and facilities must be observed. If the product is used at schools, training facilities, or do-it-yourself/hobby shops, it should not be handled unless supervised by trained, responsible personnel.
- Do not drop the NSB-25 device.



Caution

- The product must not get damp or wet. This product is not a toy. It contains fragile and swallowable glass parts, small parts, and a rechargeable battery. Any use other than that described above may damage the product. Read these operating instructions thoroughly and carefully. The instructions contain important information for installation, operation, and handling. Take note of all safety instructions.



Warning

- A "Li-Poly" (lithium-polymer) rechargeable battery is integrated into the NSB-25. This rechargeable battery does not have the so-called "memory effect" —the rechargeable battery can be charged whenever you want. Furthermore, it has higher energy content than conventional NiCd and NiMH rechargeable batteries. Note these important instructions when handling the Li-Poly rechargeable battery. The rechargeable battery can be recharged 400 times. If the battery operation time gets shorter, it may be time to replace the battery. Consult your authorized NEXTODI dealer to replace the battery.



Caution

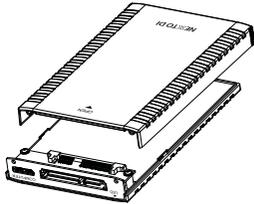
- Never damage the rechargeable battery—do not remove it from the NSB-25. Consult the chapter on "Battery Disposal". Damaging the wrapping of the rechargeable battery might cause an explosion or fire.
- Never short circuit the contacts of the rechargeable battery. Never touch the connections or electrical components inside the NSB-25 with metal objects.
- Charge the rechargeable battery regularly, even if you do not use the product. The NSB-25 needs some "current" (a small quantity) at all times. Due to the Li-Poly rechargeable battery technology, it is not necessary to discharge the battery before recharging. Recharge the battery completely, about once every three month, or the battery will go bad.

6. Installation of Hard Drive (or SSD) in Bridge Pellet

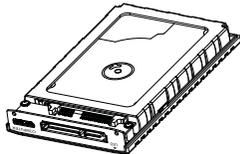
NSB-25 includes 2 slots for 2 bridge pellets (sold separately) which can hold 2.5 inches SATA Hard drive (or SSD). There is no limitation of capacity of hard drive (or SSD), but the limit of the height is 9.5mm.



Cover the protection rubber (Filler) on hard drive.



Take off the upper case of bridge pellet.
(The case is not screwed when you purchase.)



Connect hard drive to hard drive connector in bridge pellet. To put it easily, recline the hard drive and push it inside as deeply as possible.



Close the aluminum case and tighten 2 screws on the connector side.

7. Insert & Remove of Bridge Pellet & Memory card Module

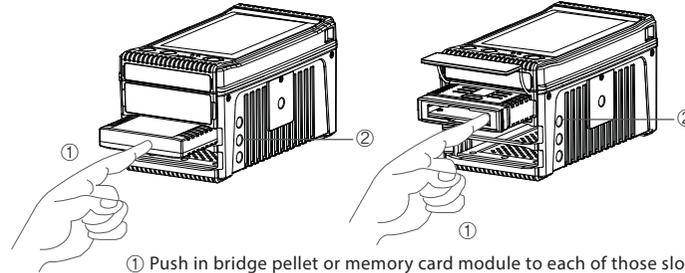
The bridge pellet and memory card module are interchangeable, it is easy to carry and replace the bridge pellet. It can be connected to computer or equipped with NSB-25, NSB-25 performs backup from the memory card to the bridge pellet.



Caution

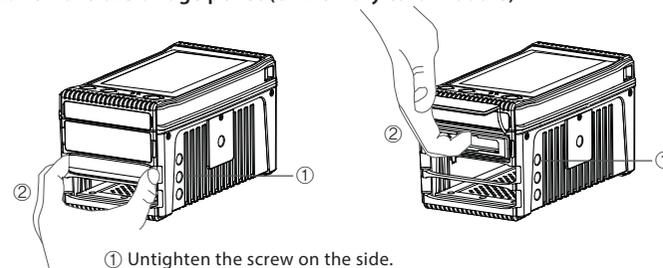
- Interchange the memory card module and bridge pellet when the power is off.

1. Equip the bridge pellet (or memory card module)



- ① Push in bridge pellet or memory card module to each of those slots.
- ② Tighten the screw on the side.

2. Remove the bridge pellet (or memory card module)



- ① Untighten the screw on the side.
- ② Pull off the bridge pellet (or memory card module).

8. Charging the Rechargeable Battery

The battery can be charged using the AC power adapter unit delivered with this product.

- Turn off the NSB-25
- Connect the charger's wall plug to the NSB-25's "DC IN" slot
- Plug the AC power adapter unit into a wall socket
- The LED above the control key shows red when charging
- When the battery is charged, the red LED turns off.
- When error occurs during charging with LED blinking, unplug the AC adapter unit and plug it in again.

Users can also charge the NSB-25 via the USB3.0 cable.

With a completely empty rechargeable battery, the charging procedure lasts approximately 6 hours using the AC power adapter. With the USB 3.0 cable, it takes about 12 hours to charge completely.

When the battery goes flat, warning message will be displayed on LCD and the power will be off. When it occurs during the backup, the copy may be incomplete. And you should check the backup result. When the device is switched on again, the previous backup status will be displayed; either "Success" or "Failed".

Reference

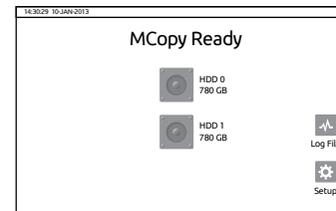
- You must turn off the NSB-25 in order to charge the unit.
- The NSB-25 can be charged via USB without using the AC power adapter included in the box. A high powered USB connection is needed, i.e. a USB connection with its own power supply, such as the USB port of a computer or a USB hub with a power unit.
- Always keep the battery charged one or more of the gauge remaining on LCD. If the battery is completely discharged, it shortens the batteries life.
- If the NSB-25 battery is completely discharged, the performance of the battery may be degraded. It is recommended that the NSB-25's battery be recharged before the battery gauge reaches the empty level.

9. NSB-25 Interface

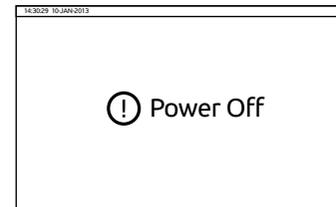
9.1. Turning the NSB-25 on/off



Press the power key on the right side of the device for a few seconds in order to turn the NSB-25 on. The power up logo and firmware version will be shown on the LCD. When you see the logo on the LCD screen, release the button. Otherwise, the NSB-25 will automatically power off.



After checking the system, the NSB-25 goes into [XCopy/MCopy ready] mode. You can copy a memory card in this mode.

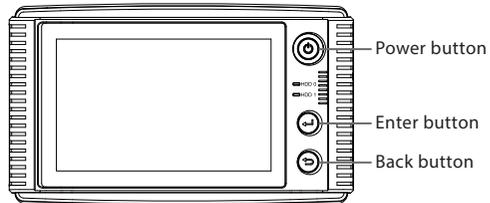


The NSB-25 will automatically turn off when not in use. The user can choose the amount of idle time (e.g. 30/40/50/60/90 seconds) prior to an automatic power off. The NSB-25 can be powered off by pressing down on the power key for more than 1 second. For details on Setting Auto Power Off, see chapter 19.

Reference

- The NSB-25 can be off via the power key by pressing for more than 7 seconds when frozen

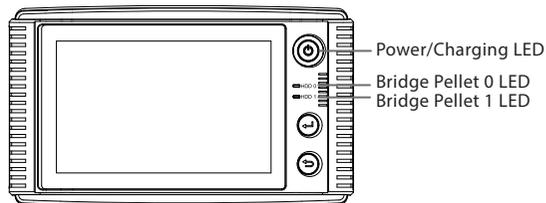
9.2. Key operation



All functions can be operated by 3 buttons – Power, Enter, Back. The operating status is displayed on LCD. Instruction for buttons is as below.

Button	Operation
Power	Turn on or off with long press.
Enter	Execute the function.
Back	Go back to previous stage.

9.3. The LED indicator



LED	Operation
Power / Charging	Red indicates battery is being charged. Green indicates "power on."
Bridge Pellet 0	Drive 0 in use Blinking red indicates data transfer is occurring.
Bridge Pellet 1	Drive 1 in use Blinking red indicates data transfer is occurring.

9.4. Operation of touch screen



Caution

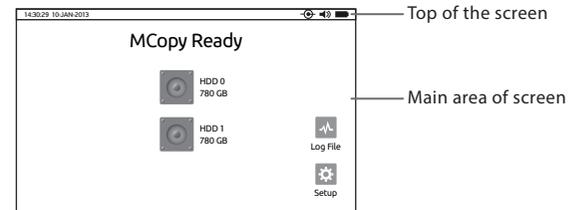
- Be careful to avoid contact an electrified matter with touch screen or a touch button. It may make touch screen do not work properly due to electrical stimulus such as static electricity.
- Don't press touch screen strongly with your fingertips or a pointy objects. It might be damaged or out of order.



Reference

- When you press the edges of touch screen, it cannot work correctly, as it is the part of the end of touch perception.
- Operating touch screen by using fingers is recommended.

9.5. The LCD Display



Icons in the top

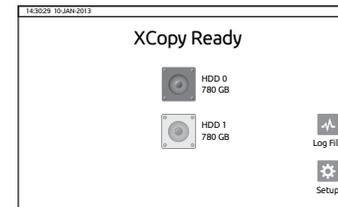
	Power connection
	Sound off
	Sound on
	Battery indicator

Icons in main area

	Log file
	Set up
	Equipped bridge pellet
	Not Equipped bridge pellet
	USB connected external drive
	Compact Flash
	SD/SDHC/SDXC
	SxS
	XQD
	P2/express P2
	CFast
	AJA PAK MEDIA
	REDMAG
	AXSM
	SSD
	Hard drive

9.6. XCopy Ready

When only one Bridge Pellet or one USB external drive is equipped, NSB-25 shows the main screen of "XCopy Ready" and performs single copy.



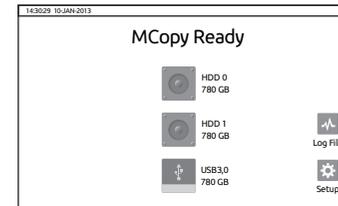
9.7. MCopy Ready

When two or more Bridge Pellet or one USB external drive are equipped, NSB-25 shows the main screen of "MCopy Ready" and performs multi copy to all equipped drives.

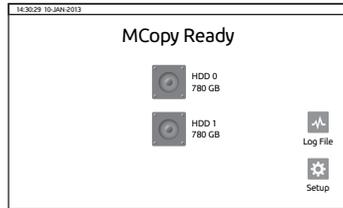
Reference

- For details on USB external drive connection, see chapter 11 Using The External Hard Drive. (Page 21)

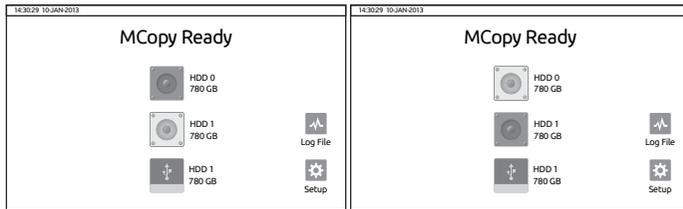
When 2 ea of Bridge Pellet and USB external drive are equipped, the screen shows as



When 2ea of Bridge Pellet are equipped, the screen shows as below.



When 1ea of Bridge Pellet and USB external drive are equipped, the screen shows as



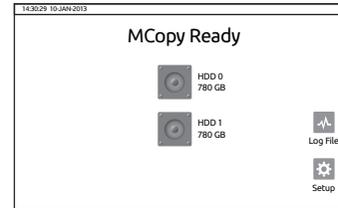
10. Formatting the Hard Drive (or SSD)

The hard drive installed in bridge pellet requires to be self formatted

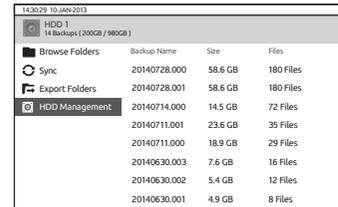


Caution

- Please back up all data to an extra hard drive before formatting the Bridge Pellet's internal hard drive or USB external hard drive.
- The NSB-25 can only work with one partition in the file format "exFAT".

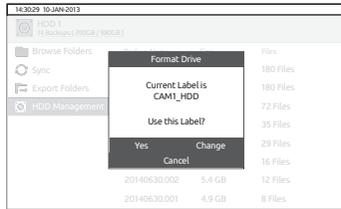


Select an icon of Hard drive you want to format.



Press "HDD Management" in the selected drive menu.

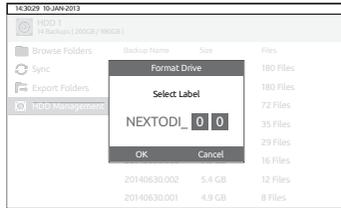
Changing of the drive name



NSB-25 shows the current name of drive and asks to change name. If you want to change the name, press "change". If you want to format without any changes, press "Yes".

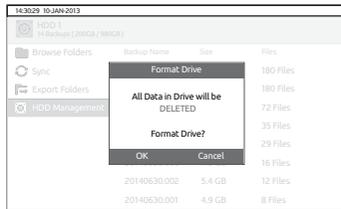
Reference

- If you have changed the name of drive on your computer, it can be remained when you format in NSB-25.

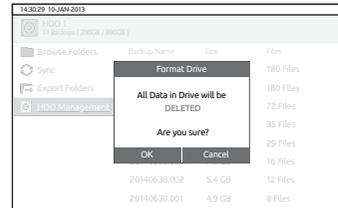


There are selectable NEXTODI_ numbers from 00 to 99, you input the number and press "Yes".

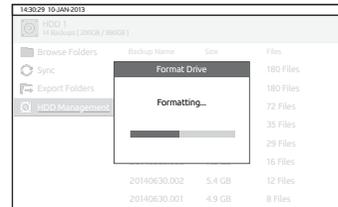
To format a new hard drive



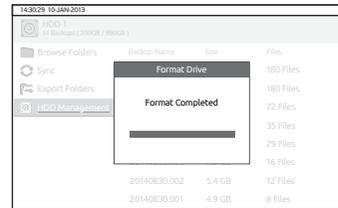
NSB-25 asks twice when you format drive, All data on drive will be DELETED Format Drive? If you want, press "OK".



Secondly, All data in drive will be DELETED Are you sure? If you want, press "OK".



The NSB-25 indicates the progress of formatting operation.

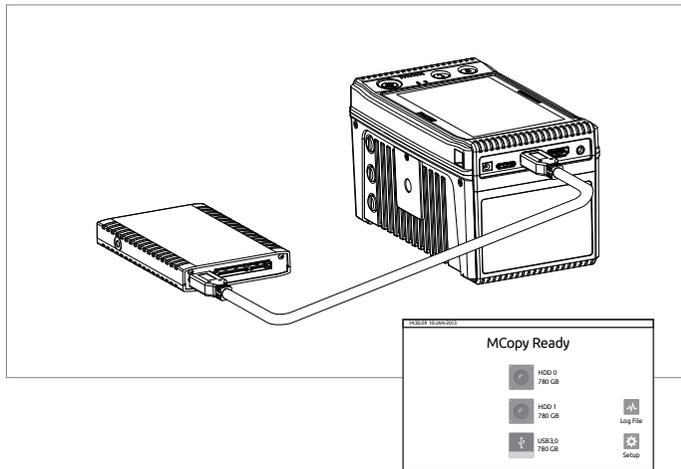


When formatting is completed, you are ready to copy data to the hard drive

11. Using an External USB Hard Drive

NSB-25 can be connected to USB external drive through USB 3.0 interface so that it is possible to use the function of copy and SYNC in external drive. The NSB-25 allows a user to copy a memory card to both the bridge pellet and to an external USB hard drive at the same time, making three copies of data in a single operation. The NSB-25 provides "Multi-copy" and "Sync" functions to make backup more reliable.

Connect an external USB hard drive using the supplied USB 3.0 micro-B cable during "XCOPY/MCopy ready" mode. Connect the larger plug to the USB 3.0 port of the NSB-25. The NSB-25 will detect the device and check the external USB hard drive.



12. Data Backup (Copy) and Verify

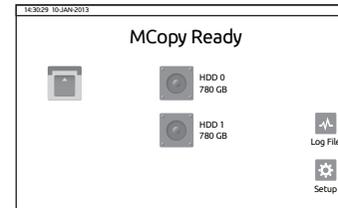
The built-in slots of CF & SD and optional modules support various memory cards backup.



Attention

- Insert the memory card carefully. The pins may bend if you insert the memory card incorrectly.
- If you put several memory cards in slots, only the first one connected will be detected.

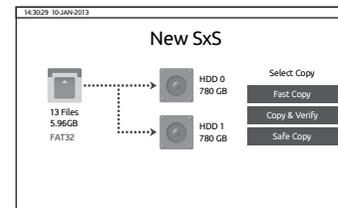
12.1. Parsing the memory card



The data on the memory card is compared with the data stored on the NSB-25 to determine whether it is new data or already stored data. According to the comparison result, the NSB-25 operates as follows:

12.2. Copy

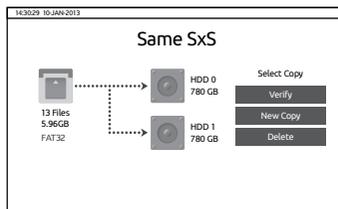
(1) If the memory card contains new data



When a new memory card is inserted, NSB-25 shows three kinds of copy menu as the left picture. Choose the copy you want.

Fast Copy	Make a new folder on the hard drive (or SSD) ¹⁾ and copy all the memory card data into the folder.
Copy & Verify	Same as [Fast Copy] but after copying, the data on the memory card is compared with the copied data in the hard drive (or SSD) 1. Each bit is verified.
Safe Copy	Before copying data, the hard drive (or SSD) ¹⁾ verifies that its hard drive area is safe. If a bad sector is detected, search for a new, safe area –then copying [Fast Copy] will begin.

(2) Memory card with copied data

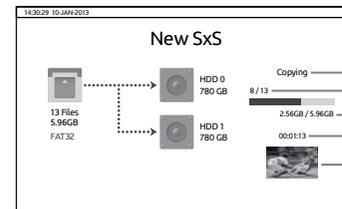


Each time you put in the memory card, NSB-25 parse the folder structure then compare it with the stored backup folders. If the memory card was copied before, and not modified since, then you can choose to [Verify] or [Copy] or [Delete].

New Copy	Copy again. Make a new folder and copy all of the data in the memory card to the hard drive (or SSD) ¹⁾ .
Verify	Compare data stored in the hard drive (or SSD) ¹⁾ to the data stored in the memory card.
Delete	Delete the data on the memory card so that it can be reused.

¹⁾ The hard drive equipped in bridge pellet and/or USB external drive.

12.3. Status



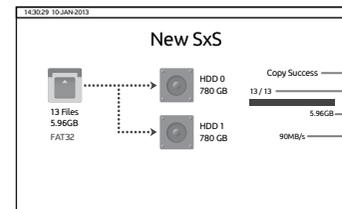
- The execute function (Copy or verify)
- Total number of files in the memory card versus the number of copied files
- Total volume of data in the memory card versus amount of data copied
- Elapsed time
- Video clip during the Copy(or verify)

Reference

- You can set up to show thumbnail during copy. It causes slow performance of backup according to codec. For details, refer to chapter 19. Setup. (Page 42)
- It performs CRC check during the copy, you can set the function of CRC checking.

The performance of backup is limited to max 80MB/s. For the details on this CRC check and setting, see chapter “17. Track of usage with logfile” or “19. Setup functions”. (Page 35, 41)

12.4. Indication of Results



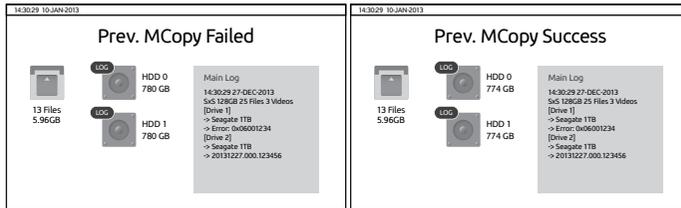
- Completed execute function (Copy or verify)
- Total number of files in the memory card versus the number of copied files
- Total volume of data in the memory card versus volume of data copied
- Copy speed in (MB/s)

Reference

- If you don't remove the memory card, the NSB-25 will automatically turn off within user set-up time (e.g., 50 seconds) to preserve battery life.
- For “The Location of Stored Data” and “The Name of Back up Folder,” see Chapter 16.

12.5. Display previous back up status

When the error occurs during the backup, the error message is displayed and NSB-25 is automatically turned off. For the reminding of user, the NSB-25 displays the previous operational status at the next power up, to show whether the last backup was successful.



1) The hard drive equipped in bridge pellet and/or USB external drive.

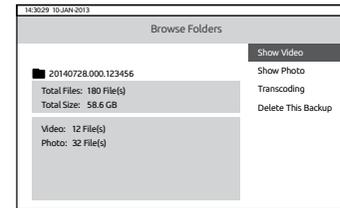
13. Show Video & Photo

You can check the contents stored in bridge pellet or external drive or memory card with the function of Browse Folders.

13.1. Browse Folders

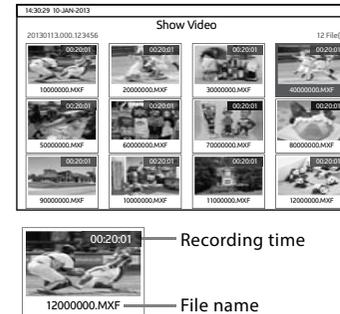
Backup Name	Size	Files
Sync	20140728.000	58.6 GB 180 Files
Export Folders	20140728.001	58.6 GB 180 Files
HDD Management	20140714.000	14.5 GB 72 Files
	20140711.001	23.6 GB 35 Files
	20140711.000	18.9 GB 29 Files
	20140630.003	7.6 GB 16 Files
	20140630.002	5.4 GB 12 Files
	20140630.001	4.9 GB 8 Files

It shows the list of back up folders.



When menu appears with information of folders, select the menu you would like to browse.

13.2. Show Video

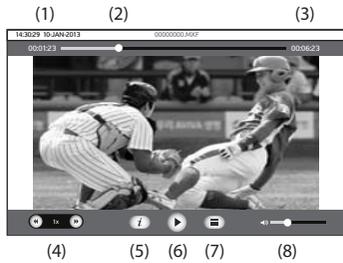


Number of video files

If you press "Show Video", thumbnails of the video are displayed as the example on the left. For the video file of unsupported format, it indicates "Unsupported"

Recording time

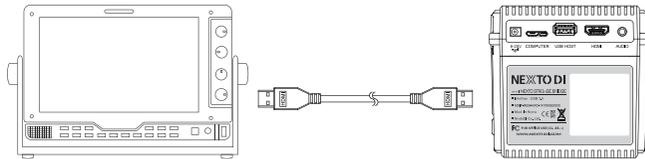
File name



- Press the clip to play.
- (1) Total play time
 - (2) Progress of play (Fast seeking with drag or touch)
 - (3) Current play time
 - (4) Play speed
 - (5) Play information
 - (6) Play/Pause
 - (7) Audio level meter
 - (8) The volume of sound (Adjustable by drag or touch)

HDMI Out

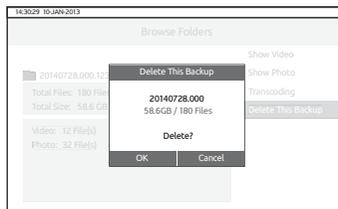
You can connect NSB-25 to a monitor through HDMI out. The video is played on the monitor with HDMI button in playing screen.



13.3. Show Photo

This will be available with F/W upgrade in the near future.

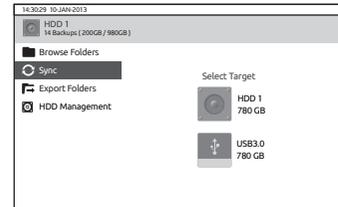
13.4. Delete This Backup



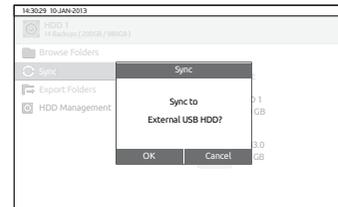
You can delete the folder you select. Be careful. Deleted folders cannot be restored.

14. Making a Secondary Copy (SYNC)

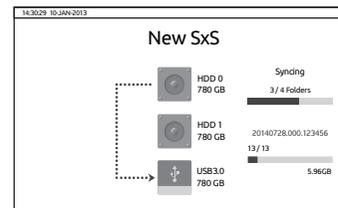
You can easily copy all files from an internal hard drive module to another drive when two or more hard drives are connected.



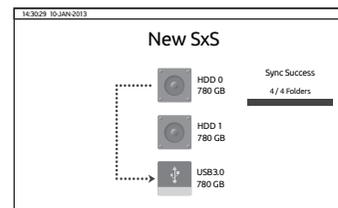
Select the "Sync" function and target drive for SYNC.



Press "OK"



NSB-25 performs backup only the unit of folders which has not copied. Once it is copied, it will not repeat.



The Sync is done. If you would like to go main screen, press the button of "Back" or touch "OK"

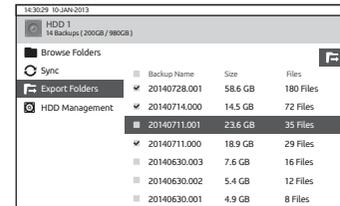
Reference

- If an error occurs during the “Sync” function, the NSB-25 will automatically shut down and display an error message at the next power up.
- If you don’t make any operation after the completion of backup, the power is turned off automatically.
- In case of that NSB-25 is automatically turned off, it displays the previous operational status at the next power up whether the last backup was successful.

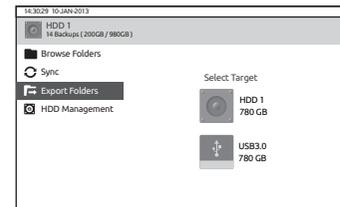
15. Export Folder

When it is connected to more than one bridge pellet or USB external drive, the selected folder in selected drive can be copied from one drive to another.

Export particular folder



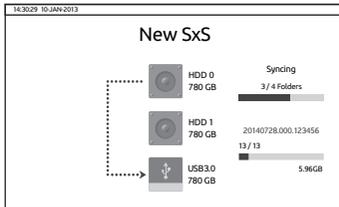
Select folders to export and press **F5**



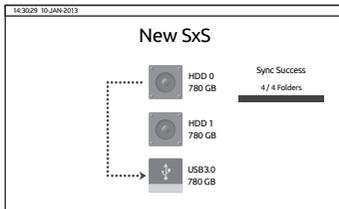
Choose the target drive.



Press “OK”.



Executing of export.



Completion of export
You can go back to previous state of MCopy Ready, press "Back" or "OK".

Reference

- If an error occurs during the "Export folder" function, the NSB-25 will automatically shut down and display an error message.
- If you don't make any operation after the completion of backup, the power is turned off automatically.
- In case of that NSB-25 is automatically turned off, it displays the previous operational status at the next power up whether the last backup was successful.

16. Using the NSB-25 as a Hard Drive (or SSD)

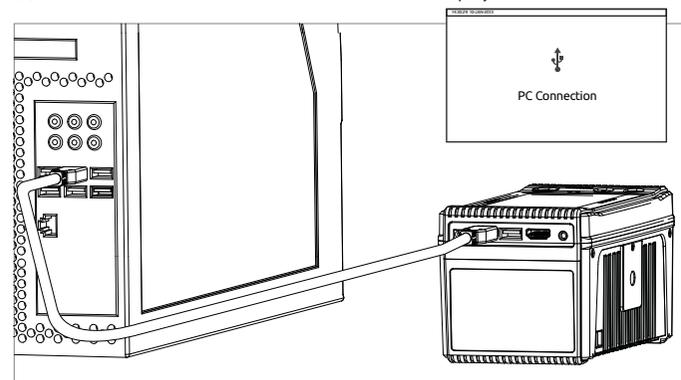
The NSB-25 and Bridge Pellet can be connected to your computer for use as an external hard drive.

Reference

- Users of Windows XP and Windows Server 2003 must have Service Pack 2 or later and install an update to support exFAT. Windows Vista must be Service Pack 1 or later for exFAT support.
- Mac OS X Snow Leopard 10.6.6 and Linux 2.4.18 and later can fully access exFAT file systems.
- The NSB-25 and the Bridge Pellet cannot be read by any version of Windows prior to Windows XP (Service Pack 1).
- A computer can only recognize the NSB-25 and the Bridge Pellet. A computer cannot recognize an external USB hard drive or any memory cards that are connected to the NSB-25. Thus, the NSB-25 cannot be used as a memory card reader.
- If connecting to the NSB-25 via USB, use the back slot of the computer. The front slot might not be able to process the high speed signal.

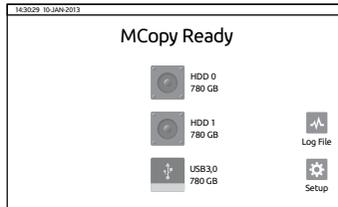
16.1. Connection to computer

- (1) Turn your computer on. Wait until the operating system has completely booted.
- (2) Turn the NSB-25 on.
- (3) Connect the NSB-25 "USB 3.0(micro-B)" slot via the USB cable with a free USB 3.0(Standard-A) port on your computer. A USB 2.0 port can also be used.
- (4) Check the "PC Connection" on the NSB-25's LCD display.

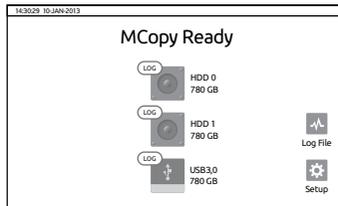


17. Track of Usage with Log File

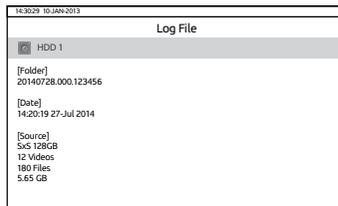
NSB-25 generates a LOG file (CRC-protected) to keep track of usage by the user and then save it on each drive (bridge pellet & USB external drive) attached to it. The log file provides information about XCopy, MCopy, Sync, computer connectivity etc.



Press the icon of "Log File" in the screen (XCopy/MCopy Ready)



Touch  icon for checking log files.



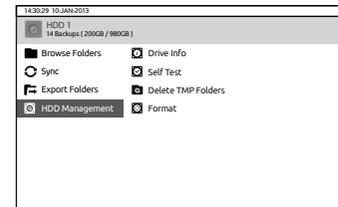
You can see the detail of log file.

Reference

- The NSB-25 calculates the CRC(Cyclic Redundancy Check) code for each file during copying the memory card copy and stores it to the LOG file. Users can use "NxCrCChecker" program provided by NextoDI to check if the video file is changed from its original copy.

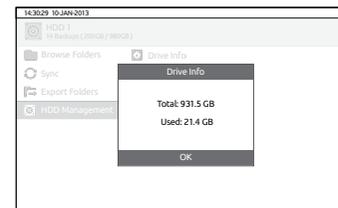
18. Hard Drive (or SSD) Management

This is the function of HDD management of bridge pellet and USB external drive.



In the screen of XCopy/MCopy Ready, choose one drive you want, and press "HDD Management".

18.1. Drive Info

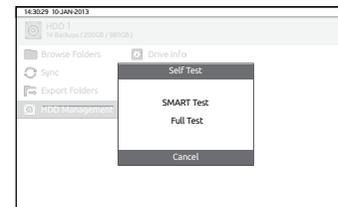


In the submenu of "HDD Management", press "Drive Info". It shows the total capacity versus use space as the example on the left.

18.2. Self Test

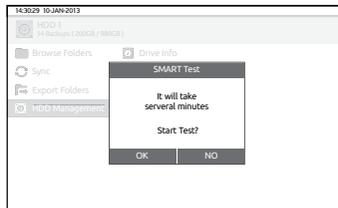
Built-in test utility is for detecting physical errors on the hard drive. This function does not fix errors.

If an error is detected during the self-test, consult your authorized NEXTODI dealer.

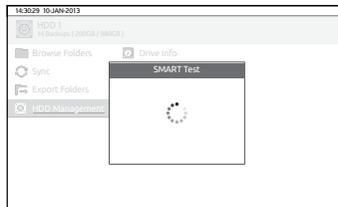


In the submenu of "HDD Management" You can select "Self Test" and test method.

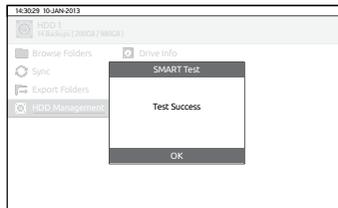
(1) SMART Test



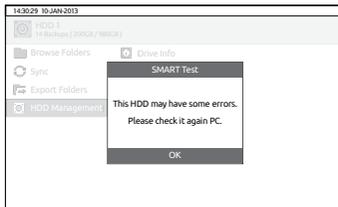
The quick test takes several minutes to test the internal hard drive. If you want to start test, press "OK"



The display shows the user that the S.M.A.R.T test is in progress.



When no problems found during the quick test, press "OK"



When error found during quick test, further use of the selected drive may result in loss of backup data. Consult your authorized NEXTODI dealer for service..



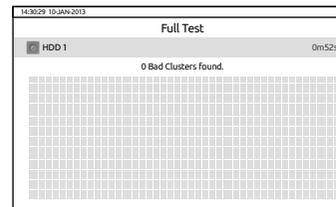
Caution

- The NSB-25 buzzer (repeating every 3 seconds) indicates the completion of the test. The power does not turn off automatically at the completion of the test.
- The NSB-25 returns to the initial mode only after the user presses the "OK" button.
- It is strongly recommended that the AC adapter be used during this test in order to prevent battery failure during the process.

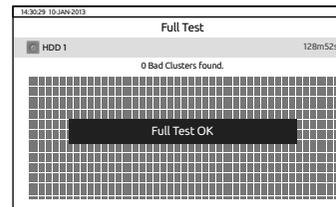
(2) Full Test



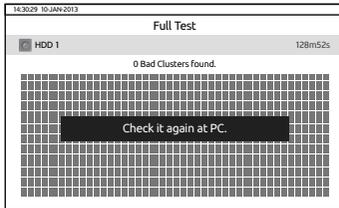
The full test will take several hours. It will read all the sectors in the selected drive to discover if any bad sectors exist. If you want to start the full test, Press "OK".



Full test is progressing. This process will take about 2~3 hours.



When no errors found, press "Back" button of NSB-25.



When error found during full test, further use of the selected drive may result in the loss of backup data. Consult your authorized NEXTODI dealer for service..



Caution

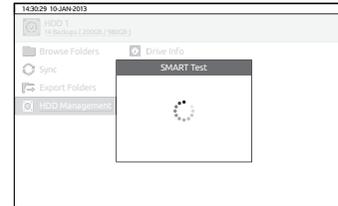
- The NSB-25 indicates the completion of the test using the buzzer sound. The power does not turn off automatically at the completion of the test.
- The NSB-25 returns to the initial mode only after the user presses the "OK" button.
- NSB-25 is not turned off until the user presses the button. Check the test result and be careful not to be out of battery.
- It is strongly recommended that the AC adapter be connected for this test in order to prevent battery failure during the process.

18.3. Delete TMP Folders

This is for cleanup of TMP folders generated when backup is failed.



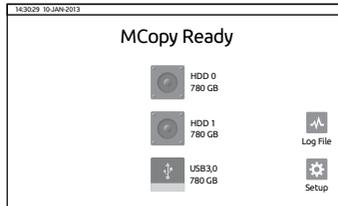
HDD Management">
"Delete TMP Folders"
If there is one or more TMP folder,
press "OK"



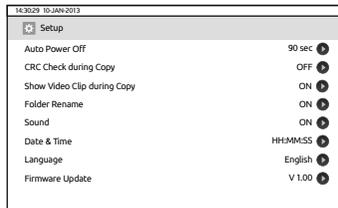
Reference

- The files in TMP folder are abnormal and invalid files.
TMP folder is created when error occurred during the X-copy/M-copy operation.

19. Setup functions

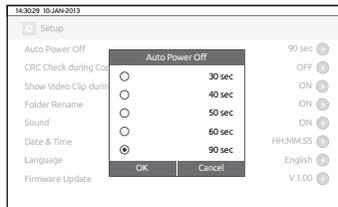


Touch "Setup" icon in the bottom right of the main screen of XCopy/MCopy Ready.



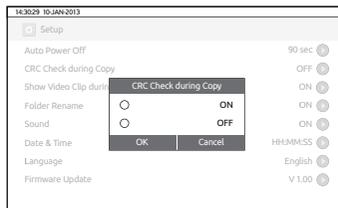
It shows submenu contents of "Setup". You can select the submenu you want to set up.

19.1. Auto Power Off



Select the "Auto Power Off" at the set up menu. You can choose the time interval of the auto power off as 30, 40, 50, 60 and 90 seconds by touching "OK" button.

19.2. CRC Check during Copy

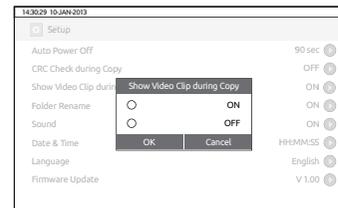


NSB-25 calculates the CRC(Cyclic Redundancy Check) code for each file during the memory card copy and stores it to the LOG file.

Reference

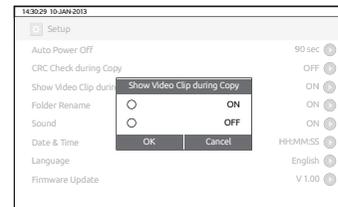
- Users can use "NxCrCChecker" program provided by NextoDI to check if the video file is changed from its original copy.

19.3. Show Video Clip during Copy



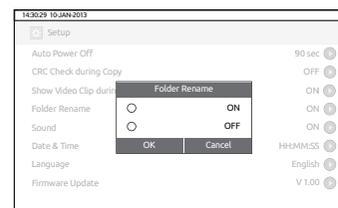
Users can enable/disable showing thumbnail during the memory card copy.

19.4. Sound



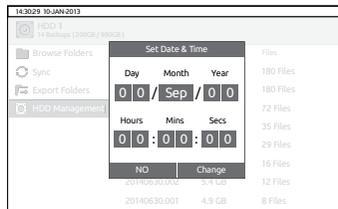
You can set sound on / off, the buzzer sound to tell the backup succeed / failed & other operative conditions and audio in playing video.

19.5. Folder Rename



The name of the folder is determined by the shooting date (e.g., 20121010.000). At the "Set Up" menu, the user can select the "Folder Rename" menu as ON, and then can change the folder name to begin with C1~C9 (i.e., C1121010.000) which refers to Camera 1~Camera 9, instead of using a date-based folder name.

19.6. Date & Time

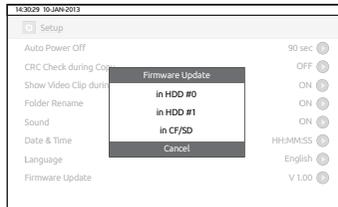


You can set date (D/M/Y) & time (H/M/S). Press "change" and then "OK".

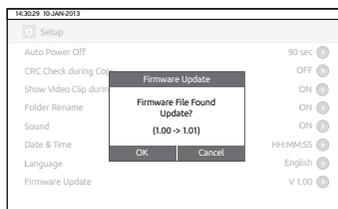
19.7. Language

Various languages will be supported with F/W update in the near future.

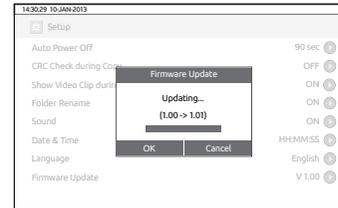
19.8. Firmware Update



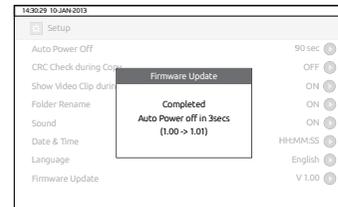
NSB-25 provides you with update of the new version of firmware through CF/SD or bridge pellet.



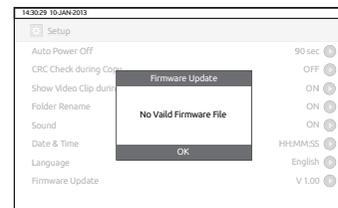
If valid firmware is found at the specified location, the NSB-25 indicates a "FW File Found" message on the LCD. Confirm the firmware upgrade by pressing the "OK" button.



The LCD screen indicates that the NSB-25 firmware is being updated. Do not turn the power off during the firmware upgrade. Use of the AC power adapter is recommended.



Firmware upgrade completed. The NSB-25 turns off automatically.



If a valid firmware file is not contained in the specified device, the NSB-25 will indicate an error. Please try again from the beginning after downloading of F/W again.

20. Troubleshooting Tips

20.1. IF THE POWER OF THE NSB-25 CANNOT BE TURNED OFF :

The Power Button can be used as a reset key. In the event of a hardware or software malfunction, press the power button for at least 7 seconds. This will turn the power off safely so that the data stored in the Bridge Pellet will not be lost or altered.

20.2. IF THE POWER CANNOT BE TURNED ON:

The NSB-25 has an internal rechargeable battery. If you cannot turn on the NSB-25 with the power button, it may be that the internal battery has been discharged. Connect the power adapter to the NSB-25 and push the power button for several seconds to turn the NSB-25 on.

20.3. CAUTION: DO NOT INSERT SEVERAL MEMORY CARDS AT THE SAME TIME

Do not connect more than one memory card to the NSB-25. Only the first one will be detected.

20.4. IF A BACKUP ERROR OCCURS TO A COMPUTER:

When a video file stored in the NSB-25 or Bridge Pellet cannot be copied or edited on a computer, the problem may be a bad sector on the hard drive(or SSD) of the Bridge Pellet. If an error is detected, consult your authorized NEXTODI dealer or proper restoration company.

21. Battery Disposal

Batteries/rechargeable batteries containing harmful substances are marked with the following symbols: Cd=cadmium, Hg=mercury, Pb=lead. You can return batteries/ rechargeable batteries to any authorized disposal station in your area or to most other stores where batteries/rechargeable batteries are sold. Do not dispose of used batteries in the household trash.

The Li-Poly rechargeable battery integrated into the NSB-25 must be removed from the housing prior to disposal. Please contact your authorized NSB-25 dealer for this service.

FCC Rules and Regulations – Part 15

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

22. Technical Specification

Model Name	NEXTO STORAGE Bridge
Model Number	NSB-25
LCD	5" Color TFT LCD: 800*480, 24bit color
Memory support	Built in slot: CF / SD (SDHC/SDXC with UHS-1 support)
	Exchangeable Memory module slot: 1 ea (See Bridge Memory Module)
	File system format : FAT32 / exFAT / UDF / HFS+
Backup storage	Two removable hard drive slot for Bridge Pellet (sold separately) Formatted using exFAT
	One USB3.0 Host port for any USB3.0 drive (must be formatted using exFAT)
Video support	Playback 2K : AVCHD / H.264 / MPEG2 (upto 50Mbps) / DV / DVCPRO HD / [ProRes / DNxHD] ¹⁾
	Preview (Best effort): XAVC / AVC Intra / 4K RAW (DNG)
	Supported Video File Format : .mxf / .mov / .mp4 / .mts / .dv / (.avi)
Video output	Built in LCD or HDMI (v1.4)
Audio output	LPCM Audio
Battery	3.7V 13200mAh Rechargeable Li-Poly Battery Rechargeable via AC power adapter (6 hrs), USB cable (12 hrs), Car charger cable. Use 3 hours (with two Bridge Pellet connected) with single charge. Copy 1TB to two drives simultaneous with single charge.
AC power adapter	Input : 100~240V AC Output : 12V 2A DC
Computer I/F	USB3.0 device (5G bps)
External device support	External USB3.0 hard drive / RAID
OS compatibility	Windows 8/7/VISTA/XP. *Windows XP (SP2, 3) requires exFAT patch update. Mac OS X 10.6.6 and above, Linux2.4.18 and above.
Dimension	176 x 103 x 96 (mm) / 7 x 4 x 3.8 (inches)
Weight	1.5 kg / 3.3 lb (with no HDD & Memory module installed)
Contents	NSB-25 Main body / AC power adaptor / protection rubber jacket / USB 3.0 cable / hand strap / manual

Model Name	Bridge Pellet
Model Number	NSB-BP1
Internal Drive	2.5 inches, 9.5 mm height SATA(1/2/3) hard drive or Solid State Drive
Computer connection	USB 3.0 device (5Gbps)
NSB-25 connection	SATA2 (3Gbps)
File system format	exFAT
Dimension	123 x 78.5 x 17 (mm) / 4.8 x 3 x 0.6 (inches)
Weight	80 g

Model Name	Model Name
Type 1	SxS / XQD / express P2
Type 2	REDMAG / CFast / AJA PAK MEDIA / 2.5 inches SATA drive (Hard drive or SSD)
Type 3	P2
Type 4	AXSM

¹⁾ With free firmware upgrade during 2015.