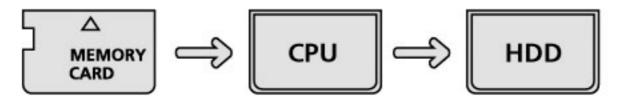
# Nexto-CF Multi1 Introduction

- Nexto-CF Multi1 (Nexto-M1) backs up data from widely used memory card such as CF, MD, SD, SDHC, MS, MMC Memory Stick or MMS into its internal HDD with the fastest back up speed yet.
- Nexto-M1 is integrated with patent technology known as X-Copy and optimized algorithm for back up known as Ultra-X. So the back up speed of Nexto-M1 is more than 6 times faster than conventional devices.
- Nexto-M1 is also integrated with OTG technology so that you can connect USB devices directly to Nexto-M1 without aid of PC.
   So you can even connect your digital camera directly to Nexto-M1 for back up.
- With current method, CPU reads data from memory card and then stores the data in internal memory of CPU. Then CPU reads data from its own internal memory to write the data into HDD



Pic 1-1

 However, with X-Copy technology, CPU reads data while writing them into HDD at the same time. So the speed of read°Êwirte process in in dependent of internal memory of CPU(both size and speed) hence result is much faster backup speed



Pic 1-2

#### 2. Thing to Remember Before Using Nexto-M1

#### The Features

- Nexto-M1 can back up data from CF, MD, SD, SDHC, MemoryStick or MMC into HDD. The back up speed is fastest in the world so far. (With help of OTG feature you can back up data from any kind of memory cards)
- With maximum speed of 20MB/sec and average speed of 14MB/sec, it only takes about 1 minute for Nexto-M1 to back up 1G bytes of data.
- Nexto-M1 has verification feature that you can double check the integrity of your data.
- You can install large sized HDD into Nexto-M1. Most of legacy devices can only manage HDD size less than 120G, but you can install maximum of 2000G bytes HDD into Nexto-M1.

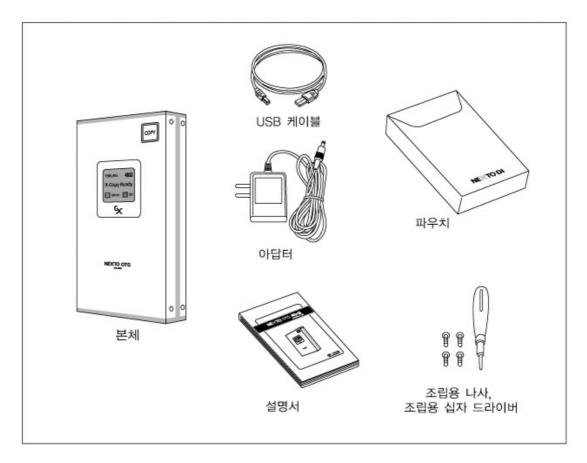
### Things to be careful

- For Nexto-M1 to work properly, 2.5" PATA type HDD must be installed. Without HDD, Nexto-M1 will not work properly.
  - (X Nexto-M1 doesn't match with SATA type HDD
- HDD is fragile to magnetic field and impact. So be careful not to drop Nexto-M1 or place it
  near magnetic devices such as TV, radio or speaker. The company will not be responsible
  for loss of data stored in HDD under any conditions.
- Nexto-M1 has many slots for variety of cables and memory card. Do not let dust or foreign objects get into those slots.
- Nexto-M1 has internal slots for CF, MD, SD, SDHC, MemoryStick and MMC memory cards.
   However you can back up other kinds of memory cards with USB card readers using OTG feature of Nexto-M1.

# 3. Contents and Part Name

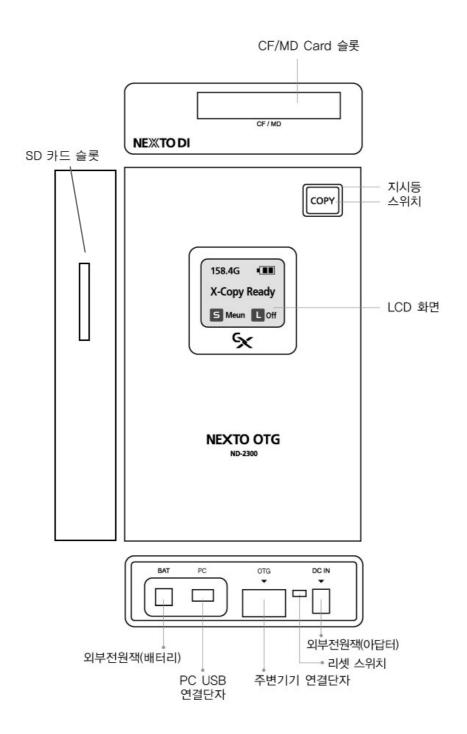
### Contents

Nexto-M1, USB Cable, Power DC Adapter, Pouch, Screw Driver and Screws, User Manual



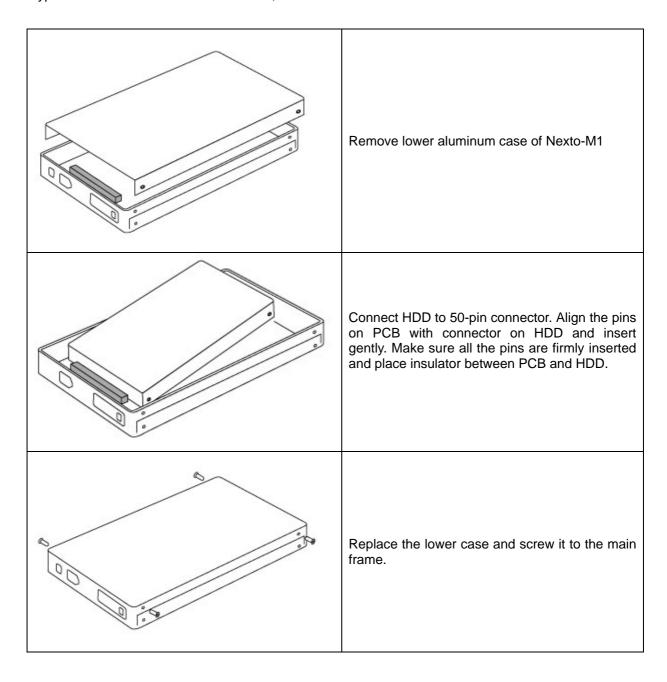
# **Optional Items**





# 4. HDD Installation

Nexto-M1 requires 2.5" laptop HDD to work properly. However, Nexto-M1 does not support SATA type HDD. To install HDD into Nexto-M1;



#### 5. Button and LCD Screen

#### Turn On and Off

Nexto-M1 is single button operating device. You can control all the features with the button.

To turn on Nexto-M1, press the button for more than 2 seconds. Nexto-M1 will turn itself off 30 seconds after the last button press.

To turn off Nexto-M1 when error occurs, press the reset button at the bottom of Nexto-M1 with sharp object such as screw driver in Nexto-M1's package.

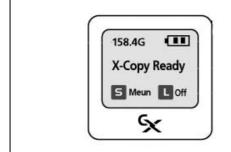
#### **Button Operation**

There are 3 ways to control the button.

Screen Display	Operation Method
S	Press the button once like mouse click. ('Short')
L	Press down the button for more than a second. ('Long')
D	Click the button twice like mouse double click. ('Double Click')

### **LCD Screen Display**

On LCD screen of Nexto-M1 shows status commands and how to execute the commands as well as the status of the device.



Internal battery status and remain HDD capacity is displayed at the top of the screen.

Current status of commands to confirm is displayed at the middle of the screen.,

The ways to execute command are displayed at the bottom of the screen.

More details on operating Nexto-M1 will be explained in later chapters.

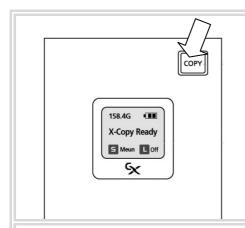
#### 6. Data Backup

The basic function of Nexto-M1 is to backup data from memory card to HDD. Executing the function is easy and is done through the single button.

Nexto-M1 has built-in slot for CF, MD, SD, SDHC, MemoryStick and MMC card. Or you can use USB card readers to back up data from other kinds of memory cards. Refer to chapter 11 for more information on USB card reader connection.

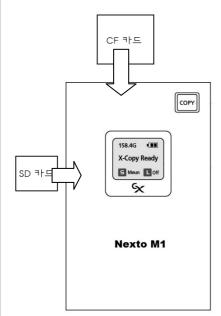
[Caution] For MS Duo, MS Duo MagicGate, MS Pro Duo, or MS Pro Duo MagicGate use the MemoryStick transform adapter. Do not insert these cards into Nexto-M1 directly. Also use SD card transform adapter for mini SD, TransFlash, MMC mobile or RSMMC.

#### To backup data;



Turn on Nexto-M1. (You can insert memory card before turn on Nexto-M1)

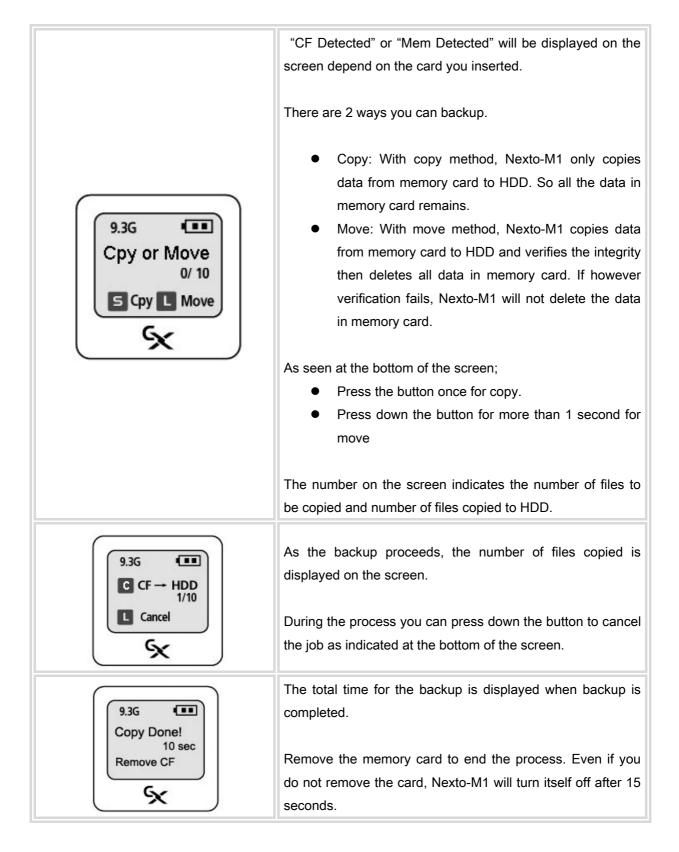
If screen displays other messages than the screen shown here, refer to "Error Messages" at the end of this chapter.



Insert memory card. For CF or Md use the slot at the top and for SD, SDHC, MemoryStick or MMC use the slot at the side.

If you insert 2 cards at the same time, Nexto-M1 will only back up from the card inserted first.

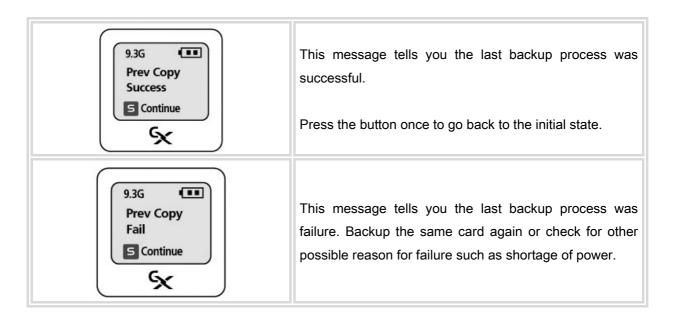
[Caution] If any device or cable is connected to USB connector at the bottom the backup process will not work properly so remove any device of cable from the USB connector before inserting the cards.



#### **Other Features**

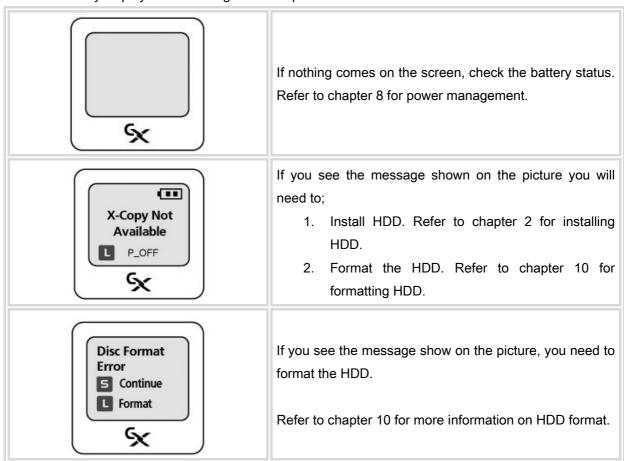
When backup is completed, if you do not remove the card for next 15 seconds, Nexto-M1 will turn itself off.

In this case when you turn on Nexto-M1 next time, it will show you the result of last process.



#### **Error Messages**

Nexto-M1 may display other messages than explained above.



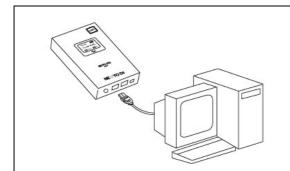


This is not the error message. This message tells you that same data is already backed up. Refer to chapter 9 for verification of backup data.

#### 7. Connecting to PC

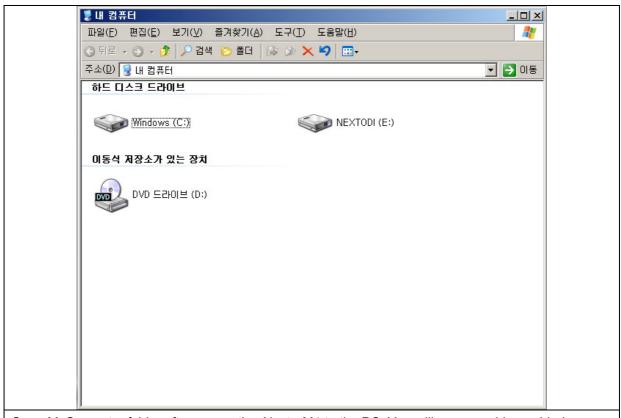
Nexto-M1 can be connected to PC through USB connection.

- There are 2 USB ports at the bottom of Nexto-M1. When connecting to PC use the USB connector of Nexto-M1 marked "PC" which is smaller USB port.
- Use USB port at the back of PC when connecting Nexto-M1. Sometimes the PC will not recognize Nexto-M1 when USB port at the front of PC is used.
- Nexto-M1 will not work as card reader when connected to PC.



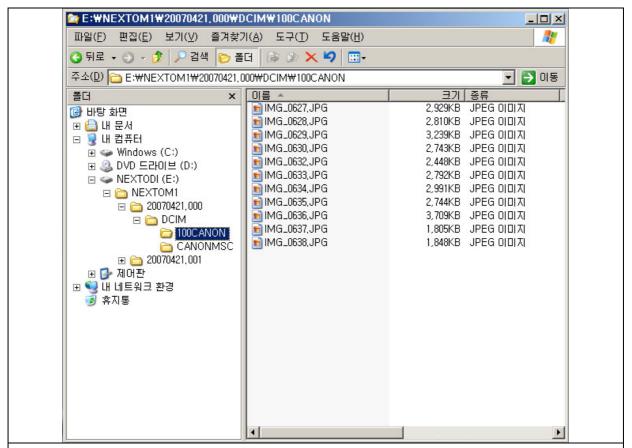
Use the USB cable to connect Nexto-M1 to PC.

Windows 2000, XP or Vista will recognize Nexto-M1 without extra device driver. However you will need driver in Windows 98 which you can download from www.nextodi.com.



Open MyComputer folder after connecting Nexto-M1 to the PC. You will see new driver added.

Nexto-M1 will be name NEXTODI in the MyComputer folder.



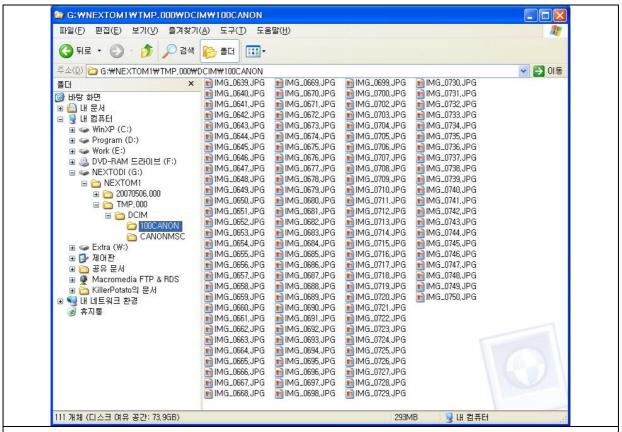
Nexto-M1 will copy the exact structure and files from the memory card inserted.

Every time you backup data, a new folder is created under NEXTOM1 folder. The new folder will have name like YYYYMMDD.XXX. Nexto-M1 checks the files and extracts the latest creation date among the files and use to name the folder. The 3 letters of suffix is version number of the folder in case same date comes up more than once among the backup files.

For example, if the latest file creation date is 2007-10-25 then new folder 200071025.000 is created for backup.

[Caution] Every time you backup, even for the very same data more than once, new folder is created and no data is over written.

When backup fail.



When Nexto-M1 fails backup data properly, Tmp folder is created. In the Tmp folder, it appears all the files are backed up properly, however the files in the Tmp folder are garbage. So you will need to back up again.

#### 8. Battery Recharge and Power Management

### **Battery Recharge**

To recharge internal or external battery of Nexto-M1;

- Connect DC adapter to Nexto-M1. To recharge external battery, connect the battery to Nexto-M1 and connect DC adapter to the device. It takes 4 hours for internal battery and 5 hours for external battery to be fully recharged.
- Connect Nexto-M1 to PC through USB connection. Internal and external batteries will be recharged simultaneously. Remember to turn off Nexto-M1 for recharging.

The red light in right side of the button will lit while recharging. When battery is fully recharged, the light will be turned off.

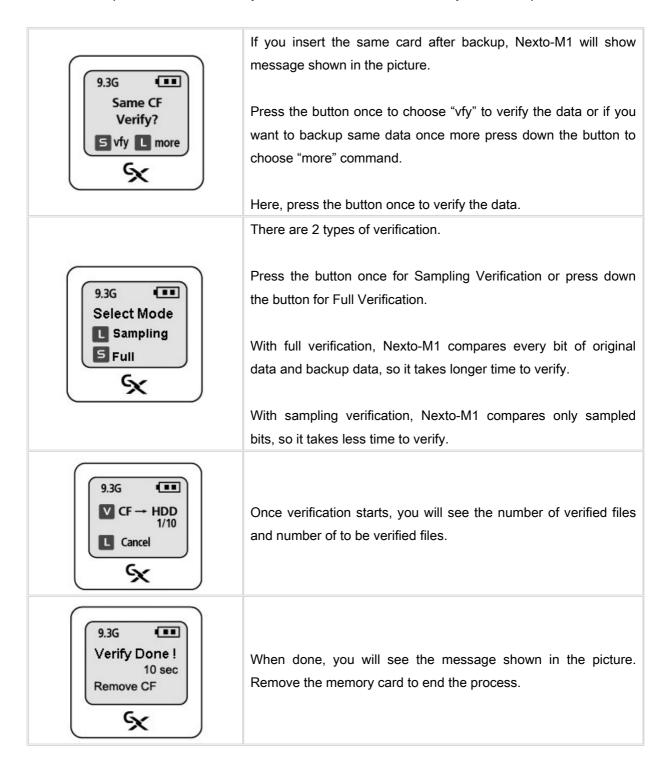
You can backup up to 60G bytes with fully charged battery and 140G bytes with external battery.

### **Power Management**

When Nexto-M1 is connected to PC through USB connection, Nexto-M1 will only use the power from USB bus not from internal or external battery.

#### 9. Verification of Backup Data

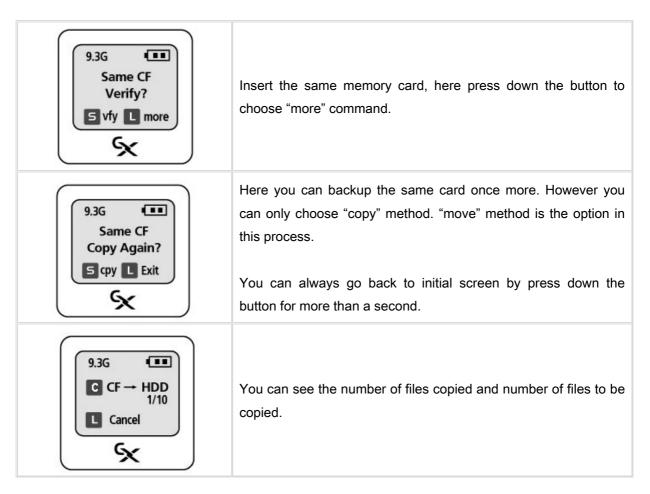
You can compare data in the memory card and data in the HDD to verify safe backup.

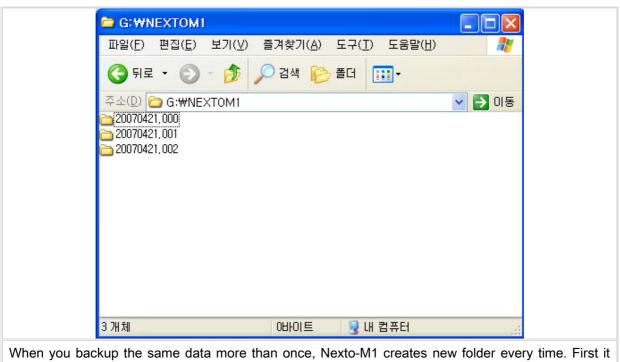


### Backup the same card more than once.

When you insert the same card more than once, you can choose to backup the same data again.

Even if you back up the same data, Nexto-M1 will not overwrite the existing data, instead it creates new folder and backup the data in the new folder.





creates folder named 20070421.000 then 20070421.001 and so on.

So existing data remains in the different folder.

#### 10. HDD Format

Nexto-M1 has format function so you do not need PC to format the HDD installed in Nexto-M1.

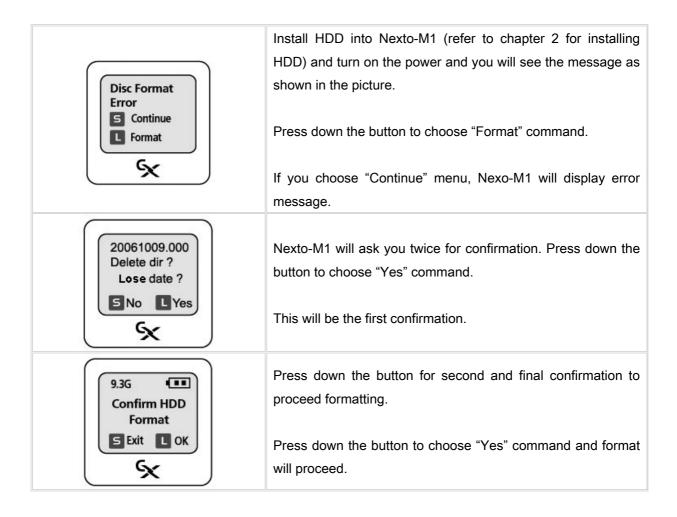
[Caution] All the data in HDD will be erased after formatting the HDD. Remember to back up important data to some other media before formatting your HDD.

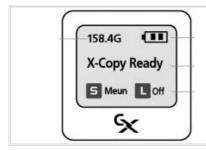
#### Formatting New HDD

When you install brand new HDD to Nexto-M1, you must first format the HDD.

Nexto-M1 does not support partitioning of HDD, so if you need to create partitions connect Nexto-M1 to PC and do it in Windows environment.

Nexto-M1 formats HDD in FAT32 file system. For more information on file systems please refer to OS guide books or web sites.



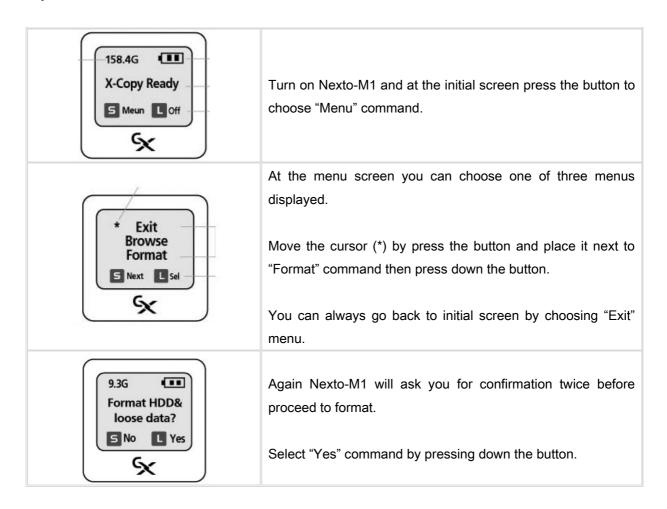


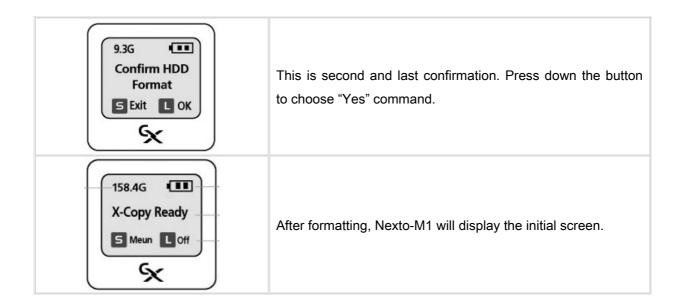
When format is completed, Nexto-M1 will display the initial screen.

## Formatting HDD in Use

You can format the HDD in use. All the data in the HDD will be erased after formatting so be careful not to lose important data.

Even you have partitions in your HDD Nexto-M1 will format the HDD as single partition in FAT32 file system.





### Partition and File Systems

The file system and portioning is somewhat too technical for some users. So if you do not have the proper knowledge on the subjects use the format function of Nexto-M1 to set up the HDD.

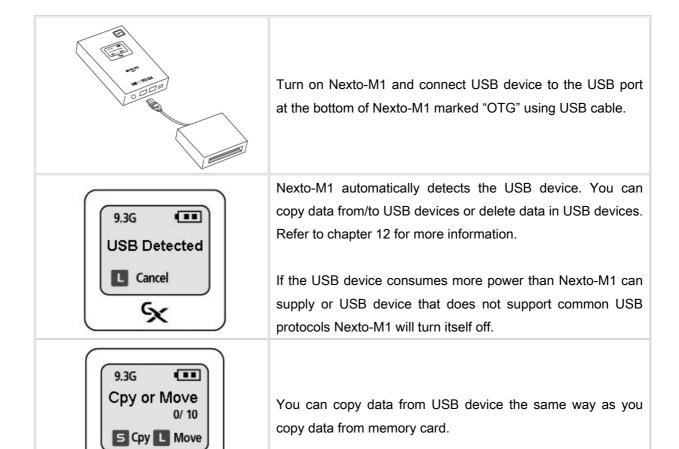
Nexto-M1 will only use HDD formatted in FAT32 file system. If you have more than one partition in your HDD, Nexto-M1 will backup data in the first partition formatted in FAT32 file system.

If no partition is formatted in FAT 32 file system, Nexto-M1 will try to format entire HDD in FAT32 file system and you may lose all data in the HDD. So check the file system and partition before installing used HDD into Nexto-M1.

#### 11. Connecting USB Devices

Nexto-M1 has OTG feature that you can connect USB devices such as card reader, USB storage or digital camera directly to Nexto-M1.

[Caution] Not all USB devices can be connected to Nexto-M1. Nexto-M1 may not support devices that consume more power than Nexto-M1 can supply. And Nexto-M1 does not support MP3 Player.

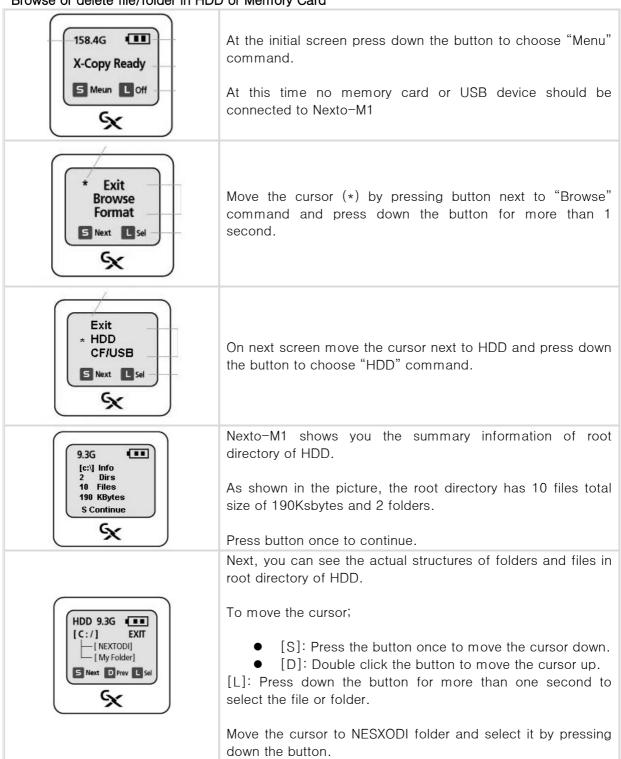


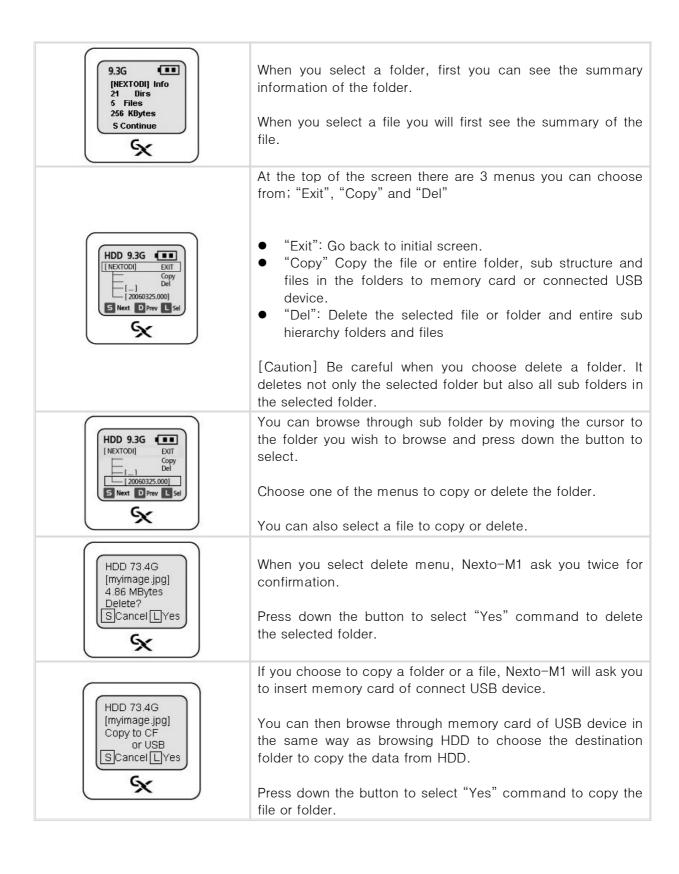
#### 12. Browsing HDD and Memory Cards

You can check the store data in HDD of Nexto-M1 without connecting to PC. You can even browse through the data in connected memory card or storage of USB devices.

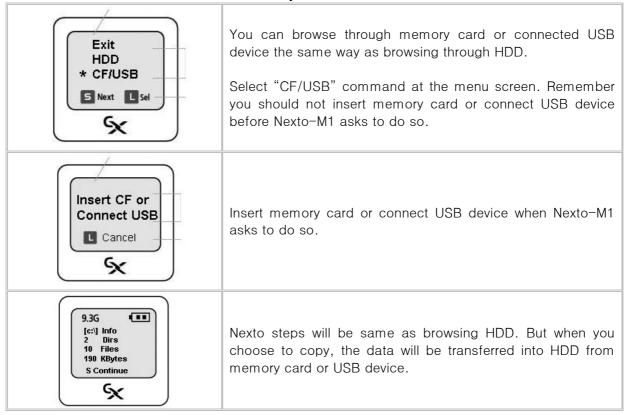
You can also copy file or folder to/from HDD from/to memory card or USB devices and delete file or folder in HDD or memory card.

Browse or delete file/folder in HDD or Memory Card





# Browse or delete file/folder in HDD or Memory Card



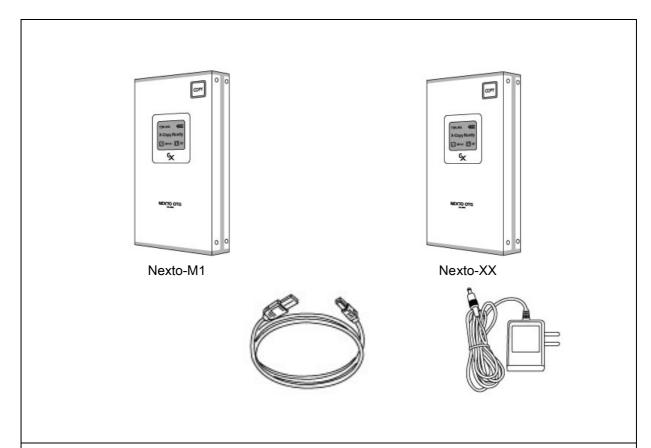
# 13. Sync

You can sync data between two Nexto series devices. It is useful when you deal with important photo data.

The professionals may want carry two Nexto devices to ensure the safety of their data.

You can sync data between Nexto-M1 and;

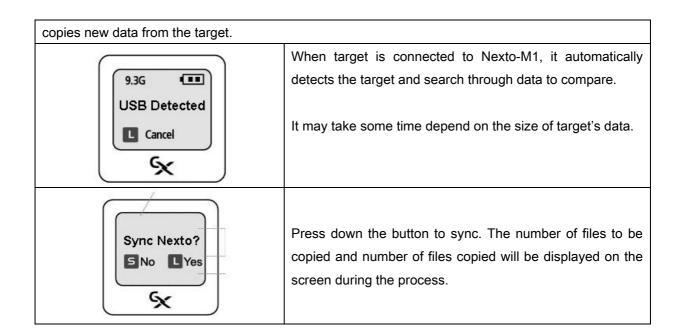
- Nexto-M1
- Nexto-Ultra
- Nexto-OTG And Nexto Xpress
- Nexto-CF



Connect Nexto-M1 to Nexto-XXX using USB cable. Remember use the port marked "OTG" on Nexto-M1 and "PC" on Nexto-XXX.

Connect DC adapter to the Nexto-XXX (the target)

Nexto-M1 will search the target for folder named "NEXTODI" and compare the data with its own and



# 14. Specification

Memory Card	CF/MD Slot	CF Type 1/2, MD (MicroDrive)	
	SD/MS/MMC	SD / SDHC / MMC /MMC Plus / MS / MS MagicGate / MS	
	Slot	Pro / MS Pro MagicGate	
		※ Use SD transform adapter for mini SD / TransFlash /	
		MMC mobile /RSMMC	
		※ Use MemoryStick transform adapter for MS Duo / MS	
		Duo MagicGate / MS Pro Duo / MS Pro Duo MagicGate	
	OTG Port	Digital Camera, HDD type camcoder	
		Some products may not be compatible.	
Power	Rechargeable	internal battery / Rechargeable external battery (Option)	
	DC Adapter (5)	V DC, 2A) / BUS Power from USB	
Battery /	Internal battery : Li-Poly (3.7V, 1550mAh, 60GG Backup capable)		
Backup Capacity	External battery : Li-Ion (3.7V, 2200mAh, 80GB backup capable, Option)		
Compatible	2.5" PATA Type HDD		
HDD	Big volume HDD(more than 128GB) support		
Interface	USB 2.0/1.1 (USB Slave), OTG (USB Host) Interface		
Backup Speed	By CF Slot : M.	AX 20MB/s, Sustained 14MB/s	
	By SD/SDHC/N	MS/MMC Slot : MAX 24MB/s, Sustained 19MB/s	
Compatible	WINDOW 98SE/Me/2000/XP/Vista Mac OS 9.2 or above,		
os	Linux 2.4.18 or above		
Files System	HDD: FAT32		
	Memory Card: FAT12/16/32		
Dimension	128mm x 77mm x 23mm (D x W x H)		
Weight	130g (without HDD )		
Accessories	USB Cable / Pe	ower DC Adapter / Pouch / Screw Driver / Screws /	
	User Manual		

# 15. Error Codes

The common error messages are;

Error Code	Error Name	Symptom and Solution
0x0001	ERR_FAIL	Low level error. HDD failure or USB communication failure
0x000E	ERR_UNEXPECTED	USB communication failure. Check the cable.
0x0015	ERR_INVALID_FAT	Format error. Reformat the memory card.
0x003B	ERR_UNEXPECTED_ZERO	FAT error
0x0051	ERR_12_NOT_IMPL	Unable to write to FAT12 Memory.
0x0063	ERR_CLUSTER_CHAIN	FAT error
0x0080	ERR_NO_FREE_CLUSTER	No more space in HDD
0x00A0	ERR_BUSY_TOO_LONG	ATA I/F error, possible HDD error.
0x00A4	ERR_READ	ATA I/F error, possible HDD error.
0x00A5	ERR_IDE_ERR	ATA I/F error, possible HDD error.

# Nexto-CF Multi1 User Manual Index

- 1. Nexto-M1 Introduction
- 2. Thing to Remember Before Using Nexto-M1
- 3. Contents and Part Name
- 4. HDD Installation

#### **Basic Features**

- 5. Button and LCD Screen
- 6. Data Backup
- 7. Connect to PC
- 8. Battery Recharge and Power Management

#### **Advanced Features**

- 9. Verification of Backup Data
- 10. HDD Format
- 11. Connecting USB Devices

#### Extra Features

- 12. Browsing HDD and Memory Cards
- 13. Sync
- 14. Specification
- 15. Error Codes

### FCC 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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- -- Reorient or relocate the receiving antenna.
- -- Increase the separation between the equipment and receiver.
- -- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- -- Consult the dealer or an experienced radio/TV technician for help.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.

OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,
  INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION
  THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE
  CAUSED UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH
  MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.