NexStar·3

EXTERNAL 3.5" HARD DRIVE ENCLOSURE

USER MANUAL

VANTEC

Package Contents:

NexStar 3 External 3.5" HDD Enclosure:
- Driver CD
- User Manual
- NexStar 3 External 3.5" HDD Enclosure
- Power Adaptor
- Power Cable
- USB Cable
- eSATA Cable (NST-360SU only)
- SATA-eSATA Adapter Bracket (NST-360SU only)
- Vertical Stand
- Screws

Table of Contents:

1. Introduction:

Form and functionality collide with style in the NexStar 3 External Hard Drive Enclosure from Vantec. With its mirror finish, sleek curves and bold colors, the Vantec NexStar 3 stands out from the crowd. The sturdy drive cage protects your hard drive while the aluminum case effectively draws away the heat, protecting your drive from overheating. The NexStar 3 utilizes USB 2.0, offering speeds up to 480Mbps, or SATA with speeds of up to 3Gbps.* The NexStar 3 is the ideal way to store your personal data in an enclosure that matches your style!

*NST-360SU only

2. Specifications/Features:

NexStar 3 External 3.5" IDE HDD Enclosure (NST-360U2):

Specifications:
- Interface: IDE to USB 2.0
- Dimensions: 206mm x 123mm x 33mm

Features:
- Aluminum casing cools down your hard drive
- Transfer rates of up to 12Mbps with USB 1.1
- Transfer rates of up to 480Mbps with USB 2.0
- Easily add storage to any system with USB
- Hot-swappable: Plug and play without rebooting!
- Attractive blue LED indicates power/HDD activity

NexStar 3 External 3.5" SATA HDD Enclosure (NST-360SU):

Specifications:
- Interface: SATA to eSATA/USB 2.0
- Dimensions: 206mm x 123mm x 33mm

Features:
- Aluminum casing cools down your hard drive
- Transfer rates up to 12Mbps with USB 1.1
- Transfer rates up to 480Mbps with USB 2.0
- Transfer rates up to 3Gbps with SATA (SATA-II)
- Easily add storage to any system with eSATA or USB
- Hot-swappable: Plug and play without rebooting!
- Attractive blue LED indicates power/HDD activity

3. System Requirements:

- Intel Pentium II 350MHz-compatible or Apple G3 processor and greater
- Microsoft Windows 98SE/ME/2000/XP or Mac OS 8.6 and greater
- USB-equipped system
- USB port, internal SATA port, or eSATA port (NST-360SU model only)
- For USB 2.0 speeds, the system must support USB 2.0 specifications
- CD Rom drive (if drivers are needed)

4. Parts Layout:
NexStar 3 External 3.5" HDD Enclosure:

Aluminum Housing

LED Cable

Hard Drive Caddy

NST-360U2

IDE Cable

Power Cable

Hard Drive Caddy

NST-360SU

SATA/Power Cable
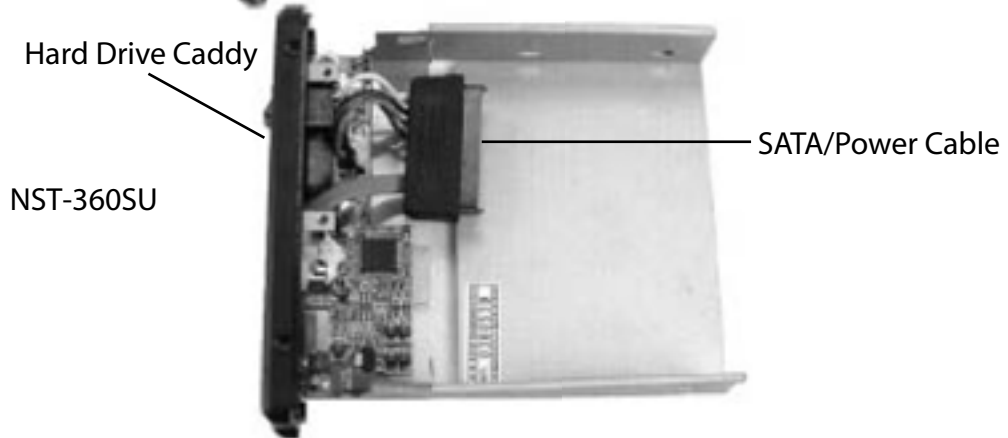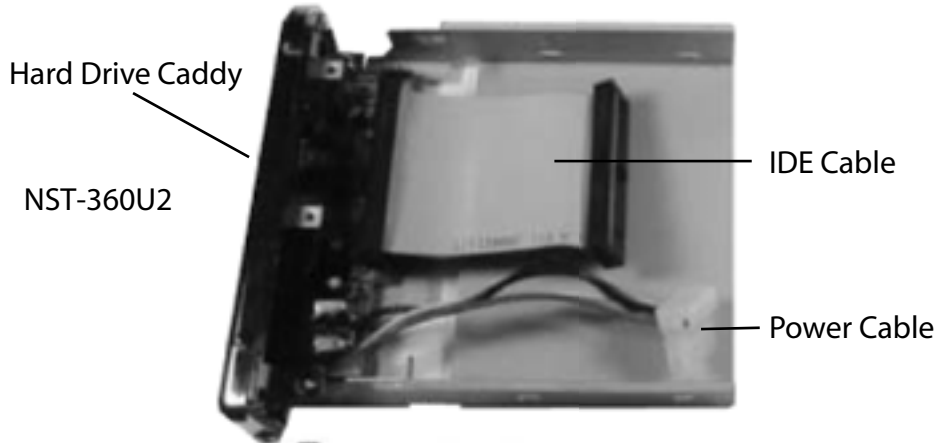
5. Installation:

NexStar 3 External 3.5" HDD Enclosure:

5.1. Hardware Installation:

Preparing the hard drive:

1) Set the hard drive jumpers to MASTER or SINGLE DRIVE ONLY. Please refer to the documentation included with your hard drive for information on how to accomplish this.

Preparing the NexStar 3:

1) Remove the side of the NexStar 3 with the power and USB connection ports. If it has previously been screwed in place, remove the screws first.

2) Carefully slide out the side approximately 3 inches.
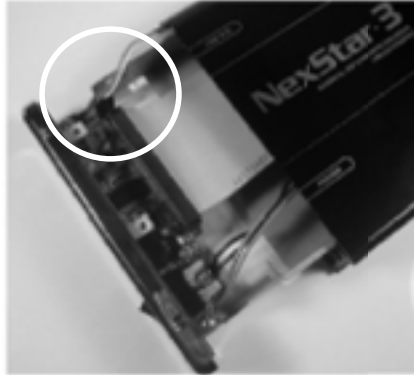
3) Unplug the red and white cable for the LED.

4) Slide out the rest of the side.

Installing the hard drive in the NexStar 3:

1) Connect the IDE or SATA cable and power cable to the hard drive as pictured below.

Installation

2) Fold the cables so that they are out of the way. Align the hard drive mounting holes with the holes on the side of the drive caddy. See picture below.

3) Secure the hard drive onto the drive caddy with the screws provided. See picture below for where the screws are to go.

4) Insert the drive caddy back into the aluminum housing. Be sure to reconnect the LED cable before closing the unit. When reinserting the caddy, also be sure to align the top of the caddy with the guides on the housing.

Connecting the NexStar 3 to your computer:
1) Connect the type B USB connector to the NexStar 3 and the type A USB connector to an available USB 1.1/2.0 port on your system.
   Or,
   Connect the eSATA connector to the NexStar 3 and to the eSATA port on your system. An internal SATA port can be converted to an eSATA port with the included adapter. (NST-360SU only)
2) Connect the power cable to the NexStar 3 and plug the cable into an available outlet.
3) Turn on the NexStar 3 via the power switch.
4) Your operating system should detect the NexStar 3 and automatically install the necessary drivers (if you have Windows 98SE/MacOS 8.6, you will need to install drivers). Once your operating system finishes setting up the NexStar 3, it will mount your hard drive. On Mac OS systems, the new volume should appear on the desktop. On a Windows PC, the new volume will appear under My Computer.

> NOTE: For new hard drives, you will need to initialize and partition your hard drive before it will appear in Windows Explorer or on your Mac desktop. Please refer to your hard drive manufacturer's documentation or read the "Creating a New Partition" section of this manual.

5) Your NexStar 3 External Hard Drive is now ready for use.

5.2. Driver Installation:
Windows ME/XP/2000
1) No drivers are necessary when using Windows ME/XP/2000. If the hard drive does not appear under My Computer, be sure to partition your hard drive.

Windows 98SE
1) The first time you plug in the NexStar 3 into a USB port of your computer, the [Add New Hardware Wizard] dialog box will appears.
2) Click on [Next]. Check the [Search for the best driver for your device] and click on [Next] again.
3) Insert the device driver CD into your CD-ROM drive if you have not already done so and click on [Next], a screen should be appears to show which Storage Device you installed. Click on [Next].
4) After the needed files are copied into your system, click on [Finish].
5) You should now be able to see the new hard drive under My Computer. A green Unplug or Eject hardware icon will appear in the system tray as well. If the drive does not appear, you may need to partition your hard drive first.

Mac OS 9.0 or later*:*
    1) No drivers are necessary when using Mac OS 9.0 or later. If the hard drive does not appear on the desktop, be sure to partition your hard drive.

Mac OS 8.6*:*
    1) Unplug the NexStar 3 if you currently have it connected.
    2) USB Mass Storage Support 1.3.5 must be installed on your system. If it is not, you can download the USB Mass Storage Support 1.3.5 from the Apple Software Updates website: http://www.apple.com/support
    3) Follow the direction associated with the USB Mass Storage Support driver to install
    4) Repeat the steps listed under "Connecting the NexStar 3 to your computer."

5.3. OTB Installation

1. Find out OTB Backup folder in Install CD.
2. Execute Setup.exe
3. InstallShield Wizard will appear, choose the software language,
   (English Traditional or Simple Chinese) then click Next.
4. Click Next then Click Install.
5. Setup type will appear, Click Next to continue installation.
6. Click Finish to complete software installation.

Note: After installing, software will process in background, you will see OTB
      Backup icon in the system tray after you plug in NexStar 3 External Hard
      Drive. Right click the icon in the system tray you can enter or exit the
      OTB software.

5.4. OTB Backup User Interface Introduction

  1. Function Choose

Here are two sections¡GPath Setting and Backup Style

    Path Setting: Backup Style:

   Save button>Save backup path   Copy >Copy backup

    Clear button>Clear review window   Synchronize >Synchronize backup

  2. File Review Window

  Here are two windows, left window is source, is local
  system; right window is destination, is USB2+SATA hard
  disk You can click "+" to review all data. The file string
  which you clicked will display in gray grid.

  3. Total Copy Progress

 Show the copying progress of files being copied.

5.5. Start to Use OTB Backup

The unit of OTB Backup is folder, it can not backup single file. You can backup many folders once a time.

5.5.1 Backup without Designate Destination

1. Select which folder in the source window you want to backup.Show as right picture.

2. Click save button under Path Setting to save backup path. If backup path is the same, you don't need to click it again.

3. A warning message will appear as bellow, it tells you all the files will be copied to the folder you choose in the first partitio in your enclosure. Click OK.
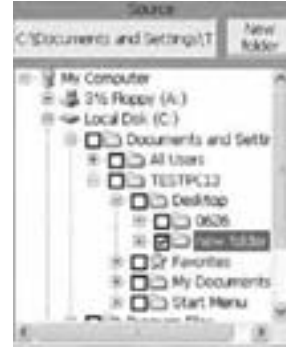
4. Click Copy under Backup Style.

5. Touch the copy button in the panel of enclosure, software will start to copy.

6. While copy complete, you will see the left bellow picture. Click OK.

7. If you copy while software is process in system tray, you will see the right bellow picture. Click OK.

5.5.2 Backup Designate Destination
1. Choose which folder you want to backup.
2. Choose the disk which you want to save your copy files.
3. Click save button under Path Setting to save backup path.
 If backup path is the same, you don't need to click it again.
4. Click Copy under Backup Style.
5. Touch copy button in the panel of enclosure, software will start to copy.
6. While copy complete, you will see the right bellow picture. Click OK.

5.5.3 Create New Folder
 We provide create new folder function in source window and destination window.
1. Click New Folder button. Making New Directory window will appear.
2. Enter the new folder name and then click OK.
3. You will see the new folder in the source window or destination window.

5.5.4 Synchronize Backup

After backup complete, if you delete a file in the folder in local system because of carelessness, you can use Synchronize Backup to return this file. If you want to execute this function, your copy path must be the same as last copy path.

1. Repeat 5.5.1 or 5.5.2 step.
2. Now you delete a file in the folder in local system because of carelessness.
3. Click Synchronize under Backup Style.
4. Touch copy button in the panel of enclosure, software will start to copy.
5. After copy complete, the file which you delete will return to local system.

11.5 Clear Click Folder

When you click Clear button, software will clear all folder which you select in the source window.

Note:

Clear function won't clear your copy path, it just clear all folder which you select in the source window.

6. Disconnecting the NexStar 3:

NexStar 3 External 3.5" HDD Enclosure:

> Warning: NEVER remove the NexStar 3 while the hard drive is in use. Doing so may corrupt the data on the hard drive or damage the hard drive, NexStar 3, or computer.

Windows 98SE/ME/XP/2000:
1) Make sure all operations using the hard drive within the NexStar 3 has ceased.
2) Close any windows and programs pertaining to the NexStar 3.
3) If connected by USB, double click the green "Unplug or Eject Hardware" icon in the system tray and select [Safely Remove Hardware]. Select the device you wish to remove and click on [Stop]. The system should prompt, "It is now safe to remove the USB device." If not, wait for any programs still using the device to finish and try again.
4) Turn off the NexStar 3.
5) Unplug the USB cable from the system.

Mac OS:
1) Make sure all operations using the hard drive within the NexStar 3 has ceased.
2) Close any windows and programs pertaining to the NexStar 3.
3) From the Desktop, drag the NexStar 3 hard drive to the trash.
4) Turn off the NexStar 3.
5) Unplug the USB cable from the system.

7. Creating A New Partition:

Note: Most hard drives should come with a CD that includes its installation program. If not, a download should be available on the manufacturers website. The best way to partition a new hard drive is by using the manufacturers program. However, if that is not possible, please try the following instead (if using Mac OS 9 or below, please refer to your hard drive documentation for information on formatting/partitioning the hard drive):

> Warning: Doing the following will erase any existing data on the drive. If the drive is damaged and you wish to recover the data, continuing may overwrite the existing information!

Windows 98SE/ME:
1) You will need to use the FDISK utility that is included under MS-DOS. Please refer to Microsoft Knowledge Base Article – 255867 for complete instructions on how to use FDISK.
(http://support.microsoft.com/support/kb/articles/Q255/8/67.ASP)
2) Once complete, you should now be able to see the drive in Windows Explorer.

Windows XP/2000:
1) Right click on "My Computer" and choose Manage.
2) Under "Storage" on the LEFT pane, select Disk Management
3) Windows should now give you the option to initialize the disk. If not, locate the new drive, right click on the new disk (where it reads "Disk #") and choose Initialize. (This step may not be required for some hard drives.)
4) Go through the wizard.
5) Once complete, locate your hard drive in the bottom right pane. Right click on the area with a status bar (to the right of the "Disk #" area) and choose New Partition.
6) Follow the directions of the wizard. The recommended partition type is "primary" and the recommended file system is "NTFS." Please note that Windows XP/2000 limits FAT32 partitions to only 32GB. Also, Windows 98 is not capable of reading the NTFS file system.
7) Once complete, you should now be able to see the drive in Windows Explorer.

Mac OS X 10.x.x:

Initializing a Hard Drive:

If you are using a new hard drive, you may need to initialize it first. You can initialize your internal hard drive using a program called Drive Setup, which is on the Mac OS CD that came with your computer.

1. Start up your computer from the Mac OS CD.
2. Locate the Utilities folder on the Mac OS CD and double-click it to open the folder.
3. Double-click the Drive Setup icon to open the program.
4. In the list of drives, select the drive you want to initialize.
5. Click Initialize.

To format your hard drive with Mac OS Extended format, a method of formatting hard drives that allows for more efficient use of hard drive storage space, follow the steps below:

1. Click Custom Setup.
2. Select the desired partitioning scheme.
3. Open the Type pop-up menu in the Volume Info area and choose Mac OS Extended Format.
4. Resize the volumes if desired.
5. When ready, click OK.
6. Click Initialize.

If initialization fails, do the following:

1. Choose Initialization Options from the Functions menu.
2. Click the checkbox next to "Low level format", then click OK. Choosing this option adds significant time to the initialization process.

Mac OS X 10.x.x:

Formatting a Hard Drive:

    1. Start the Disk Utility tool (under Applications)

    2. Select the new hard drive you are trying to install

    3. Click on the "Erase" tab

    4. Choose a volume format and assign a name to the new drive.

    5. Click on Erase.

    6. Once complete, your new hard drive should be mounted on your desktop.

Note: If the hard drive will not mount on your system, format the drive with a FAT32 or NTFS partition first through a PC system. Once formatted, connect the NexStar Enclosure to your Mac and run the Disk Utility tool again. You should now be able to format the drive into a Mac partition and mount the drive

---

8. Troubleshooting/FAQ:

NexStar 3 External 3.5" HDD Enclosure:

Q. What should the jumper settings on my hard drive be set to?
A. We recommend the hard drive be set to MASTER.

Q. My computer recognizes the NexStar 3, but it does not assign a drive letter to it.
A. You are probably using a brand new hard drive. If not, then your computer may not be able to recognize the partition on the hard drive because it is damaged or not a valid format. Please refer to the section "Creating A New Partition" for information on how to create a useable partition on your drive.

Q. My computer sometimes recognizes the NexStar 3, but sometimes gives me errors.
A. If your computer is giving you problems with the NexStar 3, be sure to connect the USB cable to a rear port, directly off the motherboard or USB PCI card. The cables connecting front USB ports are not always properly shielded and cannot properly handle USB 2.0 speeds, thereby corrupting the signal between the NexStar 3 and the computer.

Q. Why is the data on my hard drive corrupted?
A. Connecting your hard drive to the NexStar 3 is just like connecting a hard drive to the inside of your computer. The NexStar 3 itself will not corrupt your data. If your data has become corrupt, it is likely caused by the removal of the NexStar 3 while data was still being written to the hard drive. CAUTION: Never remove the NexStar 3 while data is being written to the hard drive! Doing so may cause the hard drive to become corrupt. Make sure all applications being run off the disk and all files in use are no longer in use before removing the unit.

Q. Why is my computer not showing the full size of my hard drive?
A. If you are using Windows 98SE, please refer to Microsoft's Windows 98 Support Center and download the large capacity drive patch. Else, verify that your mother-board supports large capacity drives. Some older motherboards cannot use drives larger than 137 GB. If Windows XP/2000 will not let you create a partition larger than 32GB, make sure you are using the NTFS file system, as Windows XP/2000 limits FAT32 partitions to only 32GB.

Otherwise, check your hard drive jumper settings. Most hard drives feature a setting that limits the size of the drive for compatibility reasons. Make sure you have not set the hard drive to this setting. Also, try setting your drive setting to Cable Select.

Q. Why can't Windows 98SE read my hard drive? It works with Windows XP/2000.
A. Windows 98SE cannot recognize the NTFS file system. If you wish to use the device
   with Windows XP/2000 and Windows 98SE, you need to format the drive as FAT32.

Q. Why can't I copy files larger than 4GB onto my NexStar 3?
A. You have probably formatted the hard drive in the FAT32 file system. FAT32 limits the
   file sizes to 4GB maximum. The NTFS file system does not have this limitation.

Q. Why can't I see the OTB Backup icon in the system tray after I plug in my NexStar 3?
A. This software just can be used with our enclosure, if your enclosure is not our company's
   product, please do not use it so as not to cause the file to be damaged.

Q. When I click Clear under Path Setting, it will clear the last backup path or not?
A. No. Clear function won't clear your copy path, it just clear all folder which you select in
   the source window.

Q. How do I clear the last backup path?
A. Before you backup every time, you must click save under Path Setting to save copy path,
   when you click every once, software will use new copy path to replace old copy path.

9. Warranty:

The NexStar 3 comes with a 1 year limited warranty (90 day parts). If your unit should become defective within that time frame, please go to http://www.vantecusa.com for information on how to receive warranty exchange or repair. Cosmetic defects and missing parts are not covered under this warranty. Please check the contents of the unit to make sure you received all parts. Also, check for any cosmetic flaws. If any parts are missing or if there are cosmetic defects, please contact the retailer from which you purchased the unit immediately and ask for a replacement.

10. Contact:

Vantec Technology Inc.

2F, No 588 Tanmei ST ,
Neihu Chiu, Taipei 114, R.O.C.
Tel: 886-2-87923987
Fax: 886-2-87920373
website: www.vantectw.com
E-mail: Support: cs@vantectw.com
Sale: sales@vantectw.com