



NexStar[®] FX

SINGLE BAY 3.5" SATA GIGABIT NAS ENCLOSURE



MORE to STORE

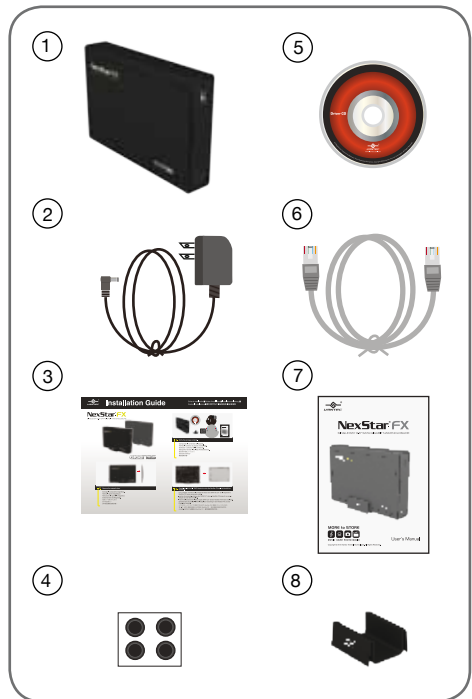


MUSIC GAME PHOTO MOVIE

User's Manual

Package Contents:

- ① NexStar FX Gigabit NAS Enclosure x1
- ② AC Adapter x1
- ③ Installation Guide x1
- ④ Rubber Feet x4
- ⑤ User's CD x1
- ⑥ Ethernet Cable x1
- ⑦ User's Manual x1
- ⑧ Stand x1



TRADEMARKS

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If any of these items is missing or damaged, please contact your vendor immediately.

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Safety Instructions



Before starting, take a few minutes to read this manual. Read all instructions and save this manual for later reference.



Do not bump or drop the NexStar FX. Do not place the NAS on an unstable cart, stand or table. It may fall and cause serious damage to the product.



Do not place the NAS System near or over a radiator or other heat source.



Do not use the NAS System near water.



Gaps and openings in the front/back panel are provided for ventilation. Never block or cover these openings, as it may cause the system to overheat and become unreliable. Do not place the NAS System on a bed, sofa, rug, or other similar surfaces.



This appliance must be grounded. The NAS System is equipped with a 3-wire grounded type power cord. This power cord will only fit into a grounded type of power outlet.



If an extension cord or a power switch is used with the NAS System, make sure that the total consumption of all the products plugged into the wall outlet does not exceed the ampere rating.



Do not place the NAS System where the cord will be Walked on.



Unplug the power cord from the wall outlet before cleaning. Keep the NAS System dry. Do not use liquid cleaners, aerosol cleaners. Use a damp cloth for cleaning.



Back panel of the NexStar FX should never be removed! Removing or opening the NexStar FX may expose you to dangerous voltages.

Warning



Caution

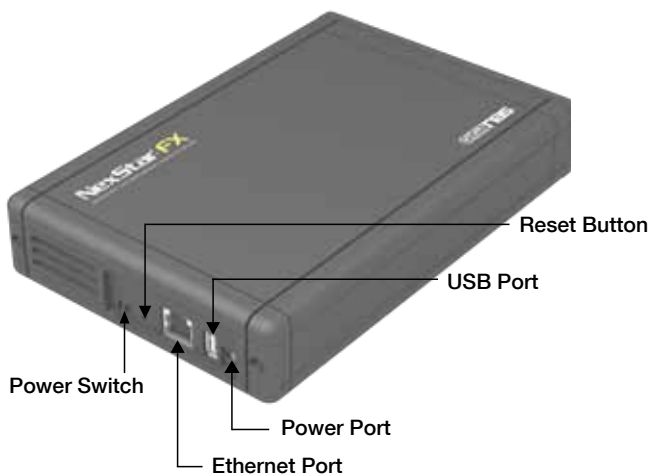
This symbol is used to remind user to pay attention to important descriptions regarding usage and maintenance or additional important information related to this NAS system.



Note

This symbol is used to provide user with useful information that can make procedure such as configuration easier to accomplish.

NexStar FX NAS System



1. Hardware Installation

- 1.** Remove the magnetic front cover



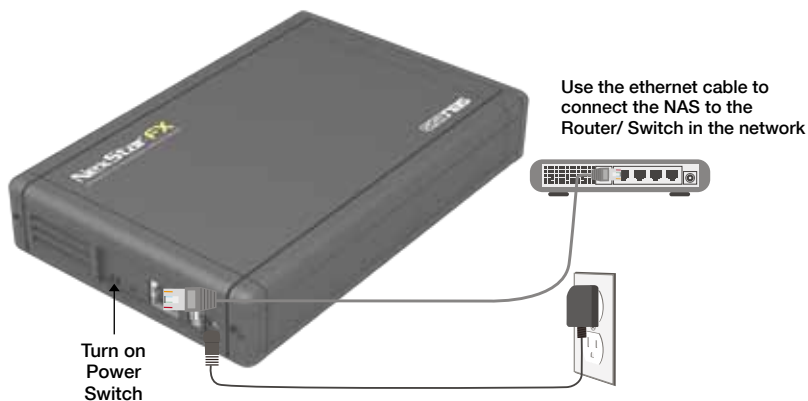
- 2.** Insert SATA Hard Disk



3. Put back the front cover



4. Connect the power adapter



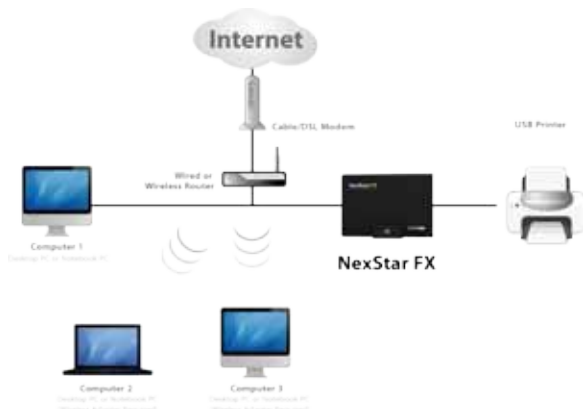
Rebound type power switch is used to protect the operation system.
Power on – require 2-3 minute booting up NAS system.
Power off – require 2 minute shutting down NAS system. Alternatively, the device can also be turned off from web GUI.

2. NexStar FX Setup

Please check your network environment and select the appropriate installation method before installing the NAS.

2.1 Connect to Network for Office /Home

Connect the NAS and PC to the same hub/ switch/ router.



2.2 Connect to PC for Individual System

Connect the NAS directly to your PC by a network cable.

2.3 Configuring NAS System

Open web browser and enter the IP address of the NexStar FX. Configure the NexStar FX using Web GUI. To find the IP address of the NexStar FX, please use the Search Utility included in the CD-ROM.

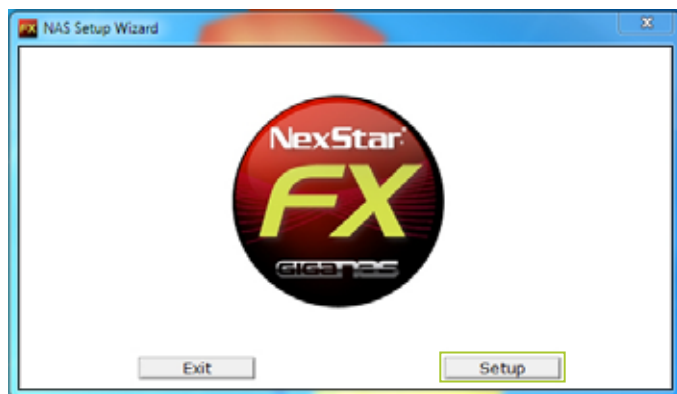


2.4 NexStar FX NAS Search Utility

Insert the NexStar FX user's CD-Rom in to your computer. Once the autorun initializes, click on **Install Search Utility**.

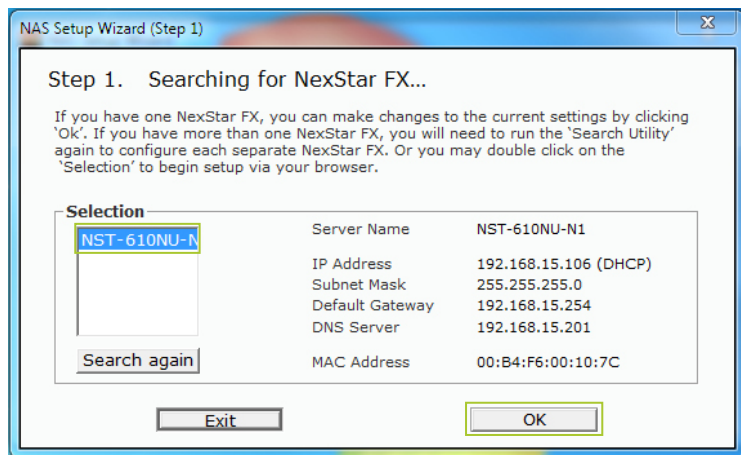
2.4.1 NexStar FX NAS Search Utility

Click the Setup button to begin.



2.4.2 NexStar FX NAS Search Utility Setup

If the NAS is in the same subnet, the NexStar FX will be automatically listed as depicted in the picture below. Select the detected NexStar device and double click to enter GUI set up, or click OK to change IP settings using this utility.



If you are unable to locate the NexStar FX, please make sure the system is properly connected to the network. You might have to configure your firewall or temporarily disable it. Once everything has been prepared, please use the Search Utility again.

3. Configuring the NexStar FX

3.1 Login

Input the Username and Password in the login page, “**admin**” is the default Username & Password. Changing security privilege is recommended.



3.2 Language Settings

The language can be changed for the entire web interface. Available in English, Germany, Spanish, French, Japanese and Chinese.



3.3 Disk Tools

You can create the following disk volumes by clicking on the corresponding icon on the “[Disk Tools](#)”.

3.3.1 Hard Drive Setup

When the hard drive is properly installed:

- A. Go to “[Disk tool](#)”
- B. Select “[Basic Mode](#)”
- C. Select preferred file format -- [EXT2,EXT3, FAT32](#).
- D. Press “[Format](#)” to start the format process. Format time may vary from hard drive to hard drive. Do not tamper or power off the NexStar FX when hard drive is being formatted.



Single Disk Volume

We highly recommend use EXT3 file system for optimum performance and functionality.

3.4 System Settings

Click "System" for system configuration.

Status of the NexStar FX:

- Go to "**System**" and select "**Information**".
- This will display the current status of the NexStar FX.

3.4.1 LAN Settings

Configuration of host name and IP address can be done here.

- Go to "**System**" and select "**LAN Setting**".
- Change Host name and IP address setting
- Press "**Save**" when finished.



Obtain IP address automatically (via DHCP)

If your network supports DHCP, the NAS will use DHCP protocol to retrieve the IP address and related information automatically.



Use static IP address

To use fixed IP address for network connection, enter fixed IP address, subnet mask, and default gateway.



Primary DNS Server:

Enter the IP address of primary DNS server that provides DNS service for the NAS in external network.



Secondary DNS Server:

Enter the IP address of secondary DNS server that provides DNS service for the NAS in external network.

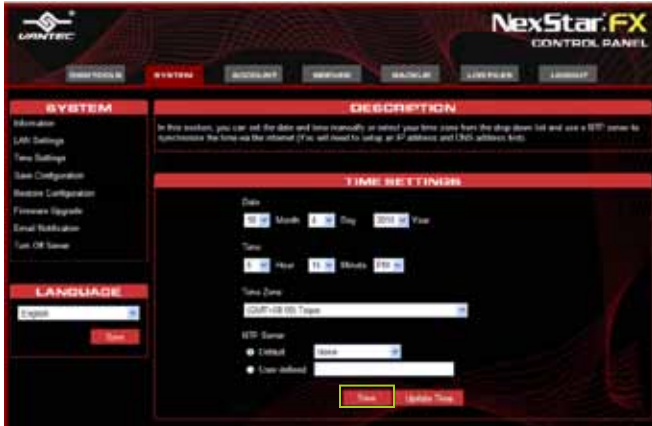


Please contact your ISP or network administrator for the IP address of primary and secondary DNS servers. When the NAS plays the role as a terminal and needs to perform independent connection, e.g. BT download, you must enter at least one DNS server IP for proper URL connection. Otherwise, the function may not work properly.

3.4.2 Time Settings

You may adjust the date and time manually or select your time zone from the drop down list and use a NTP server to synchronize the time via the internet.

- A. Go to “System” and select “Time Settings”
- B. Change the date and time.
- C. Press “Save” when finished.



The screenshot shows the NexStar FX Control Panel interface. The top navigation bar includes tabs for SYSTEM, ACCOUNT, SERVICE, BACKUP, LOGFILES, and LOGOUT. The left sidebar lists various system settings under the SYSTEM tab, including Information, Link Settings, Time Settings, Task Configuration, Restore Configuration, Firmware Upgrade, Email Notification, and Turn Off Server. The main content area is titled 'DESCRIPTION' and contains a 'TIME SETTINGS' section. This section includes fields for Date (Month, Day, Year), Time (Hour, Minute, Second), and Time Zone (a dropdown menu). Below these fields, there are radio buttons for 'NTP Server' (Default and Use Internet) and a 'Save' button highlighted with a yellow box.



To use the NTP function, you need to enter a valid NTP server or select one from the drop down list. If the default address does not work (time.windows.com), please find a valid one and then try again. You may turn off the NTP server and set the time manually if desired.

3.4.3 Save Configuration

You are able to save the NAS system configuration file to your PC.

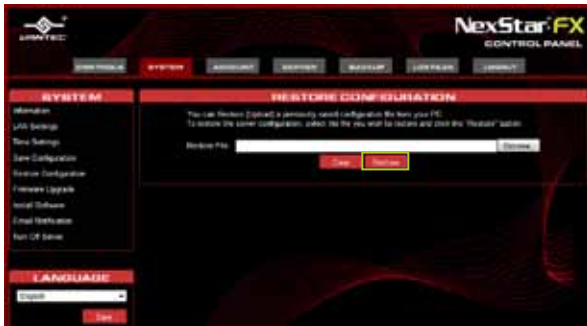
- A. Go to “System” and select “Save Configuration”
- B. Press “Save” to save the server configuration to your computer..

3.4.4 Restore Configuration

You may restore your NAS configuration from a previously saved configuration at any time.

A. Go to “**System**” and select “**Restore Configuration**”

B. Press “**Restore**” to begin restoration.



3.4.5 E-mail Notification

When the NexStar FX malfunctions or has a warning, an e-mail can be sent to the administrator automatically. To enable this, you must configure the Mail Server (SMTP server) and enter a valid e-mail address.



Messages types

- Password Messages: When Administrator password has been changed.
- Update Firmware Messages: When Firmware has updated successfully.
- Disk Full status Messages: When HDD fail or HDD usage is over 90% of entire capacity



It is recommended that you send a test e-mail to ensure that you are able to receive the e-mail notifications.

3.4.6 Firmware Upgrade

A. In this page, you may check the current firmware version and upgrade if a new one is available. If you have downloaded the newer firmware and it is saved on your computer, browse for the *.gz file and then select it to start the upgrade. Please note that the upgrade process may vary in time, please be patient.



B. You may also do a firmware upgrade through a direct connection between the NexStar FX and the computer. To do this, please connect the NAS directly to your computer using a network cable and then start the firmware update. This will speed up the firmware update process and also reduce the chance of failure.



Do not turn off your unit during the firmware upgrade process. This may damage your device!



Please check www.vantecusa.com for the latest Firmware update.

3.5 Account Settings

3.5.1 User Management

A. Here you can Create users and change passwords, assign quota and private folder to users if desired.



B. The NAS system by default creates an “Admin” and “guest-share”. There is a maximum of 128 users that can be created (including system default users). You can create a new user according to your needs. The following information is required when creating a new user:

-Admin

Administrator has access to system administration and cannot be deleted.

-Guest-Share

This is a built-in user and will not be displayed on User Management page. When you use a nonregistered user name to login, the server will recognize the user as a guest and will allow limited access. A guest does not belong to any user group.

-User name

The user name must not exceed 20 characters, except double-byte characters, such as Chinese, Japanese, and Korean or “/[] ; | = , + * ? < > `” also numerical number can not be used as first character.

-Password

The password is case-sensitive and can be maximum of 16 characters. It is recommended to use a password at least 6 characters long including 1 numeric key.



Double-byte characters, such as Chinese, Japanese, and Korean can be used as subfolders.

You can perform the following actions for user management:

C. Add User

Add user by giving a name, password, and usage quota. Click “Next” to continue.



The screenshot shows a web interface titled "ADD USER" with a red header. Below the header, it says "Step 1/3 (Add User)". There are three input fields: "User Name", "Password", and "Description". The "Password" field has a sub-field for "Please type your password again". Below the input fields, there are two checkboxes: "Create Shared private Folder" and "Enable Quota of [] MB". The background features a red abstract graphic.

D. Assign group to the new users if desired. Then click next.

E. Assign share folder permission to user, Click “Confirm” to finish setting.



The screenshot shows a web interface titled "ADD USER" with a red header. Below the header, it says "Step 2/3 (User Management)" and "User Name : user2". There are two columns: "Member" and "Non-member". The "Member" column has a list box with "**** END LIST ****" and a "Back" button. The "Non-member" column has a list box with "guest-share" and "**** END LIST ****" and a "Next" button. Between the columns are two buttons: "<< Add" and "Remove >>". The background features a red abstract graphic.

3.5.2 Share Management

- A. Create SAMBA/FTP shares folder and assign users to accessing.
- B. Add Share Folder



Press “Add Share” and enter share folder name.

Click “Next” to continue.



- C. FTP/ SAMBA Access

Assign users or groups who will be accessing the SAMBA and FTP.



Grant access to All

Select Grant access to all will give anonymous access to all users without any password.



NFS Server

NFS Server can either be enabled or disabled depending on your requirements. To be able to get the correct NFS path, please refer to “Share management” and check path enclosed, for example: NFS path is “192.168.1.11:/mnt/ide4/guest-share” , then 192.168.1.11 is your NAS IP address /mnt/ide4 is NAS path, guest-share is the folder you wish to share.

3.5.3 Group Management

In this page you can see all existing groups for the NAS and manage them by adding or removing them from the list. Groups are not required to grant access to the NAS system but will help the admin manage multiple users and easily share a folder among a group of people.

A. Add group

Press **"Add Group"**. Enter the desired group name and click **"Next"** to continue.



B. Assign users and folder to this new group.

C. Modifying Groups

Select the group from the existing group list and modify the members by pressing the **"Members"** button for further settings. Once done, press the **"Save"** button to apply the new settings.



D. Removing Groups

To remove a group, select it from the existing groups list and then press the **"Delete Group"** button.

3.6 Server Settings

All server settings such as DHCP, FTP, NFS and print server can be configured here.

3.6.1 File Server



A. Windows Setting (SAMBA)

In this section, you can change the workgroup that the NAS belongs to and modify its description. The IP for the WINS Server (Windows Internet Name Server) can be left blank unless this is required for your network.

B. FTP Server Setting

This service can be enabled or disabled. When enabled, the default FTP port number will be set to 21 but you can change that if required.

FTP Character set: By default, this is set to English (CP437). If your file names include characters from another language, change the encoding here and select your language from the drop down list.

C. NFS Server Setting

NFS Server can either be enabled or disabled depending on your requirements. To be able to get the correct NFS path, please refer to "Share management" and check path enclosed, for example: NFS path is "192.168.1.11:/mnt/ide4/guest-share" then 192.168.1.11 is your NAS IP address /mnt/ide4 is the NAS path, guest-share is the folder you wish to share.

D. Guest Access Setting

Guest Access Setting allows you to enable sharing to the "guest" account and with quota size limitation.

3.6.2 DHCP Server

In this page, you are able to set up the DHCP server. In general, there is already a DHCP server on the local network so you don't need to enable this. But if required, enable it and configure the IP address settings. Once you have set everything up, press the "Save" button to start the DHCP server and save the settings.



3.6.3 Printer Server

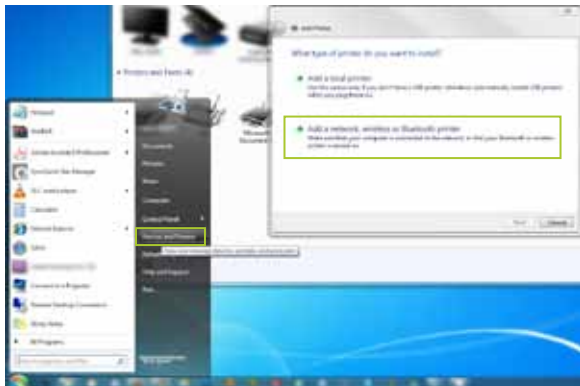
The NAS support most major brand printers, users can share printer resource from the network. Simply



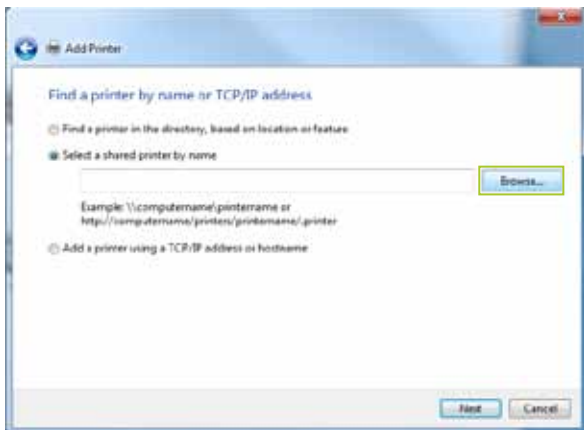
follow the steps below:

- A. Power on and connect your USB printer in to your NAS.
- B. Browse the Web UI and see whether the printer has been detected by the NAS.

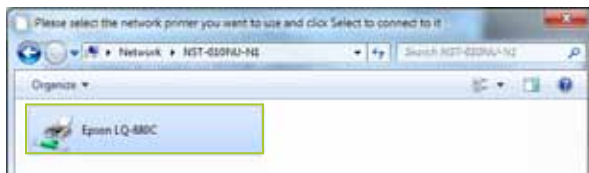
- C. Install your Printer driver in to your computer, (For example, if Epson PL-6200L Printer is connected to the NAS, you must install the PL-6200L driver on the computer. After driver installation please click “**Start**” -> “**Devices and Printers**” -> “**Add a printer**” -> “**Next**”.
- D. Select “Add a network printer...”, and then click “**Next**”.



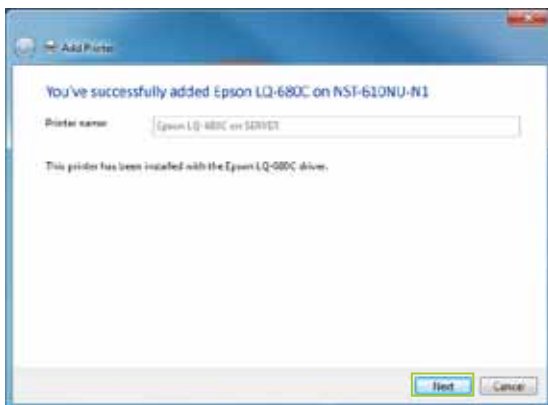
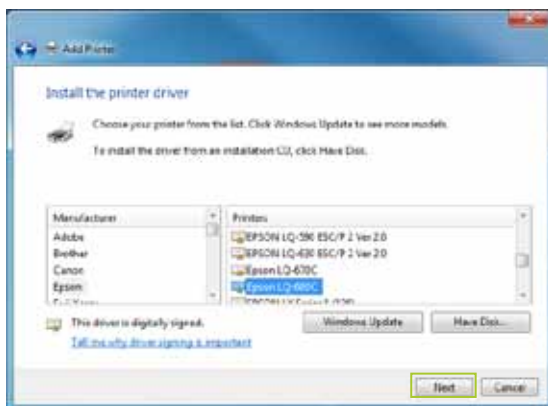
- E. Select “Browse” then click “Next”.



F. Search the NAS and look for the attached USB Printer, then click “Next” to browse for the printer driver.



G. Go to Printer wizard and select the printer driver. Click “OK” to complete setup.



Note:

The NAS Printer server does not support GDI/Host-based printers. For some Multi-Function Printers (MFP), scanning functions may not be functional. Please contact Printer Manufacture for detail specifications.

3.6.4 Bonjour

A. In this page user can enable or disable the Bonjour service. By default, this is enabled, offering easy access to the login page. In addition to that, you can also enable the iTunes service.



B. For easy access to the web configuration interface on the Mac, a shortcut to the NAS will be available in the bookmarks collection under Bonjour.

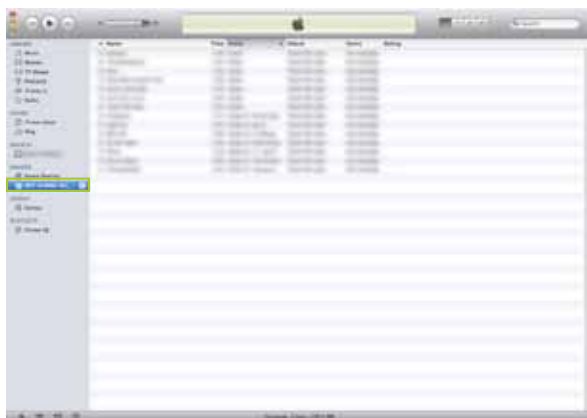


3.6.4.1 iTunes server

A. When the iTunes option is enabled, you can store your MP3 music files in the /public/music folder and play them directly from iTunes. The NAS system will automatically appear in iTunes under shared devices.



B. Start iTunes and the NAS will appear as shared device.



3.7 Media Server

NexStar FX is equipped to handle most media ready systems such as Xbox 360 / PS3. Instantly stream movies, music and pictures to these systems easily.

3.7.1 Install Software

This page allows you to add the DLNA software included on the driver disc. Click on Browse and navigate to the “DLNA Software” folder found on the disc. Click install.



Once installation is complete. Click on Server on the top tab and navigate to Media Server. The folder being shared will be shown. Click “Refresh Shares” to refresh the file index for DLNA.



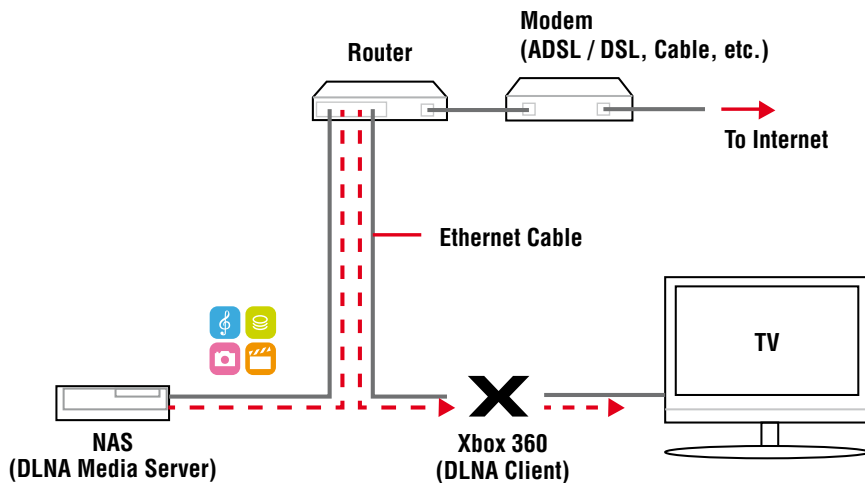
Note:

When you add new files into the Media Folder, be sure to click “Refresh Shares” for the files to be refreshed and broadcasted to your DLNA client.

3.7.2 Xbox

When you turn on the Xbox 360, DLNA Media Servers on the same network are automatically detected.

1. Move to the “My Xbox” page

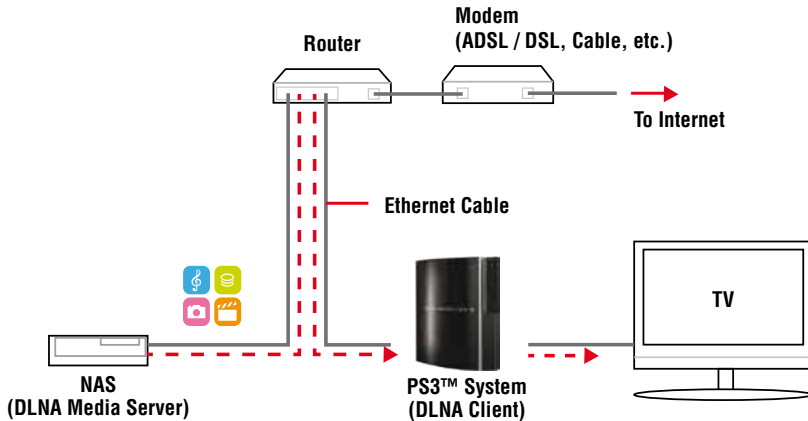





2. Choose the DLNA media server that was connected and select the file you want to play.



3.7.3 PS3™



When you turn on the PS3™ system, DLNA Media Servers on the same network are automatically detected and icons for the detected servers are displayed under 📷 (Photo), 🎵 (Music), and 🎬 (Video).







1. Select the icon of the DLNA Media Server that you want to connect to under  (Photo),  (Music), or  (Video). All available folders and files that can be played by the PS3™ system will be displayed.
2. Select the file that you want to play.



Note:

The PS3™ system must be connected to a network. For details on network settings, see  (Settings) >  (Network Settings) > [Internet Connection Settings] in this guide.

You can initiate a search for DLNA Media Servers on the same network. Use this feature if no DLNA Media Server is detected when the PS3™ system is turned on.

3. Select  (Search for Media Servers) under  (Photo),  (Music) or  (Video). When the search results are displayed and you return to the XMB™ menu, a list of DLNA Media Servers that can be connected will be displayed.



3.8 Backup (NAS to NAS)

Remote backup enables you to duplicate files from the NAS system to another NAS system.

The files are encrypted and compressed before duplicating in order to protect the data and also to save data transfer time.

3.8.1 Backup Scheduling

Make sure a network share folder is created before creating a remote replication task.

Log in to the NAS and go to **“Backup Scheduling”** under the **“Backup”** tab, specify IP address for remote NAS system then click **“Add”** to continue.



3.8.2 Select back up mode

- Full Backup duplicates all data from the folder to the remote NAS.

- Incremental backup will only back up files that has been changed since the last backup. This provides the quickest means of backup.

A. Click **“List the folders”** to continue.



B. Select a source folder and click select to continue.



C. Assign a time schedule for your backup jobs. Click “Add” to finish setup.



3.8.3 Scheduling Task

This page shows the existing backup task, and 5 backup task can be created at maximum.



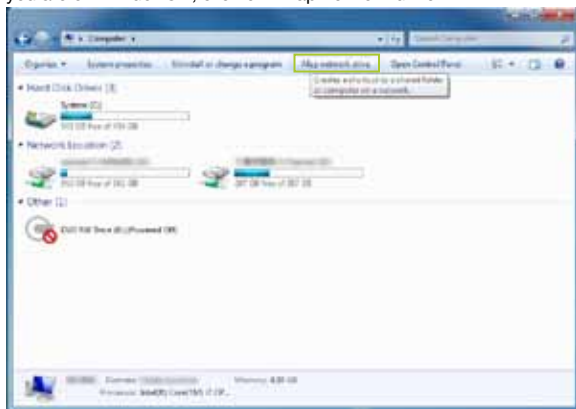
3.9 Log Files

This page includes all the log files of your NAS. You can find logs for the SAMBA, FTP and DHCP server as well as system and administration logs on this page.

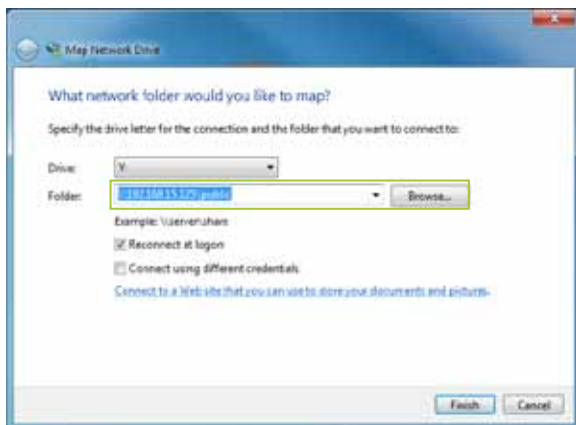
4. Mapping a Network Disk

For easy access, we recommend mapping the storage as a network drive.

4.1 Enter My Computer or Computer. On the top, go to the Tools menu and select “Map Network Drive...” or if you are on Windows 7, click on “Map network drive”.



4.2 Choose the letter path you wish to map the network drive as and enter the IP address of the NexStar FX along with the designated folder of your choice. Check the box “Reconnect at login”.



4.3 Once the drive has been mapped, you are able to find and access it under My Computer or Computer. This will still appear even after a reboot of your Operating System.

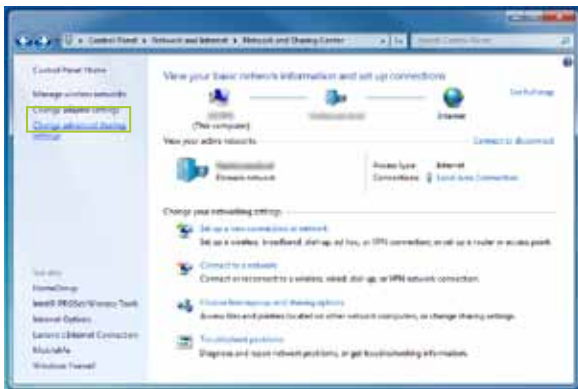


For quick and temporary access, you can also simply go to My Network Places, view the workgroup computers and select the NAS system.

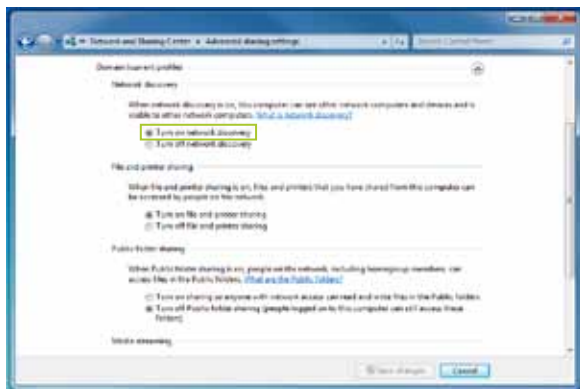
5. Turn on Network Discovery / UPnP

The NexStar FX supports UPnP function. To access the device on a PC, go to Network -> Sharing Center -> the NexStar FX will be listed as a UPnP device. From here, you may select it and access the configuration page.

5.1 Go to Network -> Sharing Center within your Control Panel. Click on "Change advanced sharing settings".



5.2 Make sure Network discovery is turned on.



5.3 The NexStar FX will be listed under your Network and will be listed as a UPnP device. You can select it and access the configuration page.



6. Q&A

Q: Why can't I access to the NexStar FX control panel?

A: Please connect the NexStar FX directly to your computer via RJ45 port. Open your web browser and key in the default IP address 192.168.1.1 then type "admin" for both Account name and password to enter the NexStar FX control panel.

Q: Why are some of the functions and settings unavailable?

A: Many of the functions require a hard drive to be installed. Make sure you have a HDD installed and formatted using disk tools.

Q: I lost my password, what do I do?

A: Turn on the NexStar FX. While it is on, press and hold the reset button for 5 seconds. This will reset the NexStar FX to factory default settings. The default login is admin/admin. Please note that resetting the device **will not** erase SAMBA/FTP account settings.

Q: Why can't I create/share folders in SMB or FTP server with a non-English language?

A: To avoid languages support issue, you are suggested to create/share folders with English characters only.

Q: Why can't I upload files via LAN connection?

A: Please make sure the NexStar FX is connected properly and you have the access rights (read & write) for the folders.

Q: Why do I keep getting disconnected from the NexStar FX?

A: Please make sure you have enough bandwidth for uploading large files. A complicated network environment with too many workgroups or too many layers of network can result in network disconnection.

Q: How can I reduce the noise of the NexStar FX?

A: Make sure the hard drive/case/fan are properly seated without interference and put the rubber feet on the case.

Q: Why does Windows XP not allow me to enter SMB folder with password via the NAS?

A: Please update Windows XP to SP2 or above. If you have Norton Internet Security installed, please check with Norton Service Center.

Q: What is NexStar FX's default login name and password?

A: The default Login name is "admin" and the default password is "admin".

Q: How do I access my NexStar FX via the Internet ?

A: If your NexStar FX is using a public IP, please perform the following steps.

1. Enter the web configuration of the NexStar FX and go to the FTP Server page to enable FTP Status.
2. Create User account and user restrictions.

3. Open Microsoft Internet Explorer or other FTP software, and enter the NAS's IP address in the address field (ftp://NAS IP).

Q: Why can't I connect to the NAS FTP? Why does it shows "link time out" when using Internet Explorer?

A: Due to IE FTP being incompatible with your Router, we suggest users to use FTP software to connect.

Q: What is the maximum number of users for FTP/Samba/server?

A: FTP Server: Maximum 32 user accounts (8 User accounts can connect at the same time, and maximum 16 folders shared by one account).

Samba Server: Share Level Access (maximum 16 folders shared by root).

Q: What can I do with the DHCP function on the NexStar FX?

A: You can setup your NexStar FX as a DHCP server when no other DHCP Server exist in your Local Network. Otherwise, the NexStar FX will automatically turn off its DHCP server function and become a DHCP client. For example, if you have installed a router with built-in DHCP Server that is activated, the NexStar FX will automatically setup itself as a DHCP client.

Q: What is the protocol of network file sharing system used by the NexStar FX?

A: The NexStar FX has built-in Samba Server for file sharing. It uses SMB (Server Message Block) protocol to integrate TCP/IP, NETBUEI and IPX/SPX protocol. In other words, if the client PC can support TCP/IP, NETBUEI or IPX/SPX, the NexStar FX should be compatible. You can also use the built-in FTP Server for file sharing with if desired.

Q: Why does the NexStar FX not detect my printer under Printer Server?

A: The NexStar FX Print server does not support GDI/Host-based printers. For some Multi-Function Printers (MFP), scanning functions may not be functional. Please contact your Printer Manufacture for detailed specifications.

7. Warranty

The NexStar FX Single Bay 3.5" SATA Gigabit NAS Enclosure comes with a 1 year limited warranty (90 days parts). If your unit should become defective within that time frame, please go to 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 content 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.

8. Contact

Vantec Thermal Technologies

website: www.vantecusa.com