



Vision™

Escient Vision **VX-600** Installation Guide

Version: M51003-06A1

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Welcome

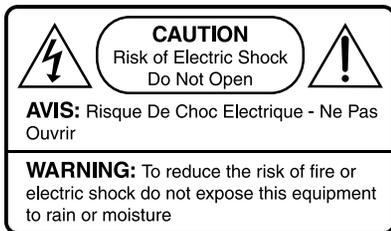
Congratulations and thank you...

...for purchasing the Escient Vision VX Server! This Installation Guide describes the features and proper use of the Vision VX Series products. At the time of printing, the screen shot images in this user's guide matched the product's user interface screens. However, since Vision has the capability of downloading software updates and enhancements, the resulting screen updates may no longer match the images in this user's guide. Please check the Escient website for more information about software updates.



Warnings and Precautions

- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- To reduce the risk of electric shock, do not remove the cover. No user serviceable parts are inside. Refer servicing to qualified service personnel.
- To prevent electric shock, do not use a 3 wire to 2 wire adapter plug.
- A three prong grounded outlet is required.
- You are cautioned that any change or modification not expressly approved in this manual or approved in writing by an authorized representative of Escent could void your warranty and/or your authority to operate this equipment.
- Never remove drives while the power is on
- Never power on the unit with less than 4 drives properly installed



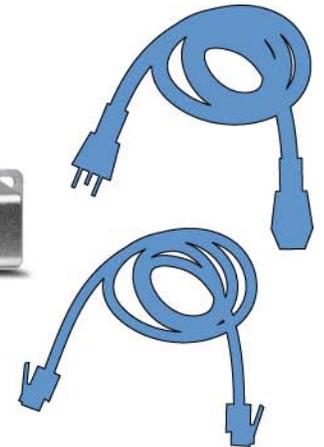
VX Contents

- Power Cable
- Ethernet Cable
- This Installation Guide

What You Need to Setup the Vision VX Server

- One or more Vision Series VS or VC clients
- A Gigabit Ethernet switch (not a hub). The switch must be connected to a network router with broadband Internet access (DSL, Cable, LAN, FIOS)
- UPS - Uninterruptable Power Supply (optional)

Note: The VX Series products must be installed with at least one Vision VS Series or VC Series product to be able to browse and playback music, movies, videos, and photos which are stored on the VX server.



VX at a Glance

Front Panel

1. Power Button and Status LED
2. LAN Activity LED
3. 4 Drive Status LEDs
4. 1 System Status LED
5. 1TB drives and trays (x4)

Back Panel

6. Power Connector
7. Power Switch
8. Cooling Fans (x3)
9. Gigabit Ethernet Port
10. USB Port (x2)
11. Reset Button*

* = the RESET button may destroy all of your data.
 Never use this button unless instructed to do so
 by Escient Tech Support.



LED Identification Chart

LED INDICATION	COLOR	STATUS	DESCRIPTION
SYSTEM STATUS	Green	Solid	Volume Normal
	Orange	Solid	Available volume space < 1GB System firmware not installed
		Blinking	Volume degraded or crashed / No volume
	Green/Orange	Blinking	Checking Memory
LAN	Green	Solid	Network is Up
		Blinking	Network is Active
		Off	Network is Down
DRIVE STATUS 1 ~ 4	Green	Solid	Disk is Ready
		Blinking	Disk is Being Accessed
		Off	No Internal Disk
	Orange	Blinking	Cannot Read / Write
POWER	Green	Solid	System Ready
		Blinking	Booting Up / Shutting Down
		Off	Power Off

Getting Started

Use the information in this chapter to set up and configure your Vision system.

To get started you need to:

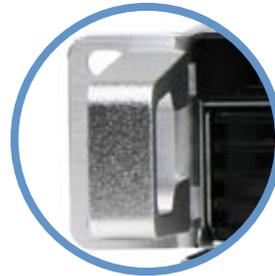
1. Properly configure one or more Vision VS or VC clients on your Ethernet network.
2. Connect Vision to your Ethernet network

Important: Read all of the following installation instructions and the safety information in the included carefully before you plug Vision into a power outlet.

Setting up VX

Rackmounting the Server

The Vision VX ships with two rackmount brackets and four nuts. If you wish to mount your VX server in a rack, attach the two rackmount brackets to the front sides of the VX chassis. Make sure that your rack has plenty of airflow on all sides of the VX chassis to prevent overheating.



Step 1: Connect the Ethernet cable

Connect a CAT6 rated Ethernet cable from your gigabit Ethernet switch to the Ethernet port on the back of Vision VX Server.

Step 2: Connect the power cord

Plug one end of the power cord into the back of Vision VX Server and the other end into a power outlet.

Note: Escent recommends the use of a UPS (uninterruptable power supply) with surge suppression for all Vision products.

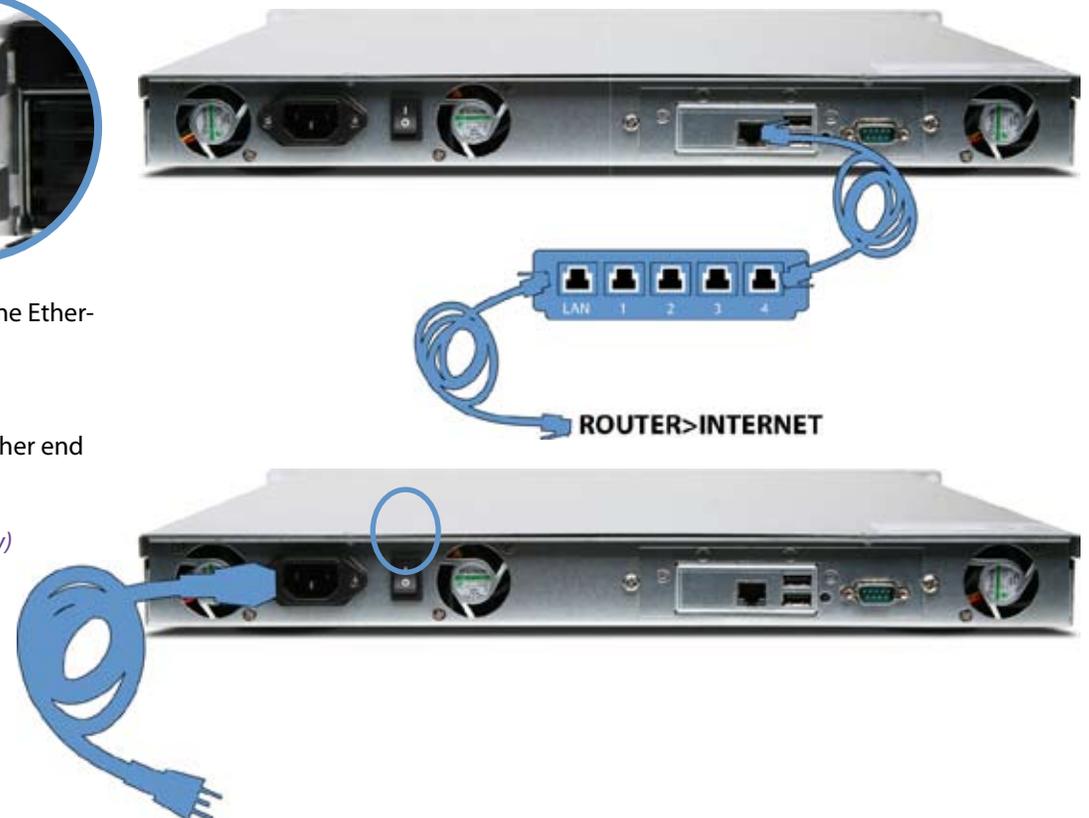
Step 3: Inspect the 4 drive trays

Make sure that all 4 1TB drives are fully inserted and the silver eject tabs are secured.

Step 4: Turn on your Vision

Set the power switch on the back panel of the VX to the ON position then press and release the power button on the front panel. The LEDs on the front panel will light and the Vision will begin to start up. The VX is fully setup when:

- The Green Power LED is solid
- The Green LAN indicator is flashing
- All 4 Disc Status LEDs are solid green
- The System Status LED is solid green. You will hear a short beep from the VX when the boot sequence is complete.



Configuring VX Server from a PC

Since the Vision VX does not connect directly to a display device, you must connect to the VX using a computer and web browser connected to the same network. Enter “**vision-vx**” into your web browser to locate and connect to your vision server from a Windows PC.

The first time you use Vision you may be prompted to select a language. Vision may automatically attempt to connect to the Internet through your home network to register and check for any software updates. If any of these steps fail, simply follow the on screen instructions as you follow the next section.

Configuring Multiple VX Servers

If you have more than 1 VX Server in your Vision system you must rename each server one by one so that they have different network names. Connect, power on, and configure each server ONE AT A TIME and rename each. For example, connect to the first server using “**vision-vx**” then rename it to “**vx1**”.

Repeat the steps for each additional server (connect, power on, and configure) renaming them: “**vx2**”, “**vx3**”, etc....

Language Settings

Select one of the available languages for Vision’s on-screen user interface.

Network Settings

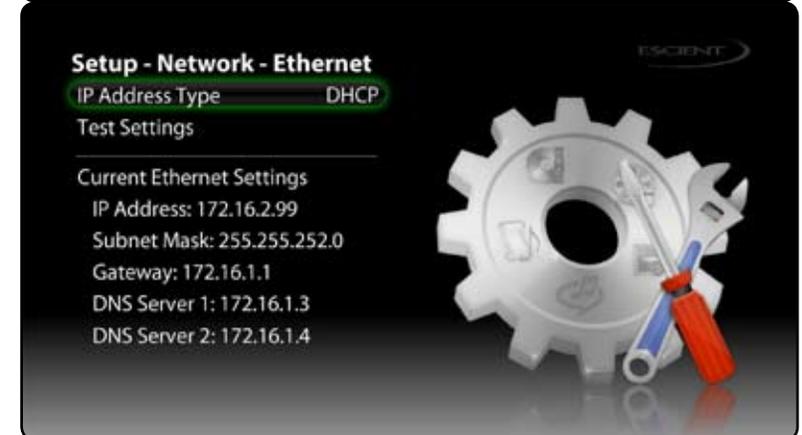
If you connected to your VX using the network name “**vision-vx**” you can remotely access and change the default TCP-IP address settings. If your network is setup to dynamically assign IP addresses using DHCP, Vision will automatically detect your network and configure itself. If you want to use static network settings, you will have to manually enter your IP address, subnet mask, router address, and DNS addresses. Follow the on-screen instructions for manually configuring and testing your network settings.

Note: The VX must get an IP address from a DHCP router for initial setup.

▼ Main Menu

▼ Language Settings

▼ Network Settings



Importing Your Media

Vision allows unprecedented ease of use for managing your movies, music, videos, and photos from any room of your home. Using Vision, you can watch or listen to:

- A DVD or CD inserted into the front panel drive
- Movies and videos that were imported into the Vision system
- Music that was imported into the Vision system
- Photo slideshows that were imported into the Vision system
- Rhapsody Direct subscription music service (over 4 million songs!)
- Music stored on Escent Fireball music servers
- Music stored on your Apple iPod (using the Escent FP-1)

When you import media into Vision, it will automatically download all of the information about the movie (actors, genre, running time, description, cover art, etc...) or music (artist, album, track, cover art, etc...) using your Internet connection and build a library of information that allows you to easily browse, select, and play anything in your collection from any room of your home using the simple and intuitive on-screen user interface and wireless remote.

Note: "Display and Play" is the default mode for the VS and VC's optical disc drive. You can set the drive to "Import and Eject" a disc using the DVD/CD Player preferences.

Configuring Vision Clients for Media Import to VX Servers

Since the Vision VX is a network attached storage device, you'll want to tell your Vision clients to store media either locally or remotely on your VX Server. This is accomplished on the VS and VC clients using the TV user interface.

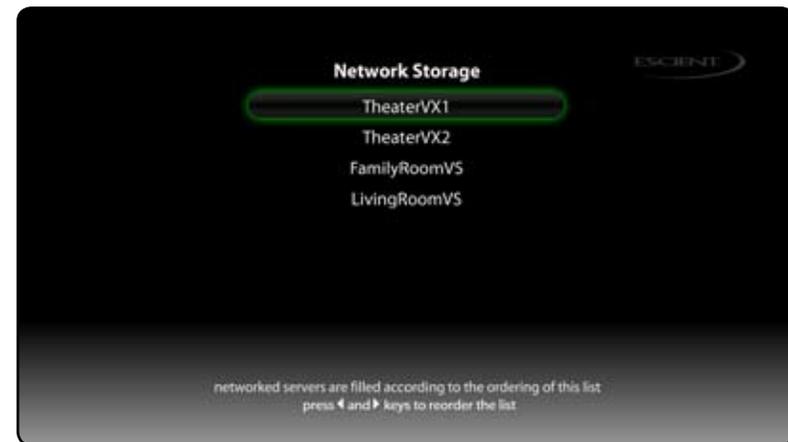
To configure media storage from your Vision VS or VC client:

1. Choose Setup from the Main Menu.
2. Choose Network.
3. Choose Connect to Server...
4. Select each Vision Server that you want to store your media on. A check mark is placed next to each server that this client can read from and write to.

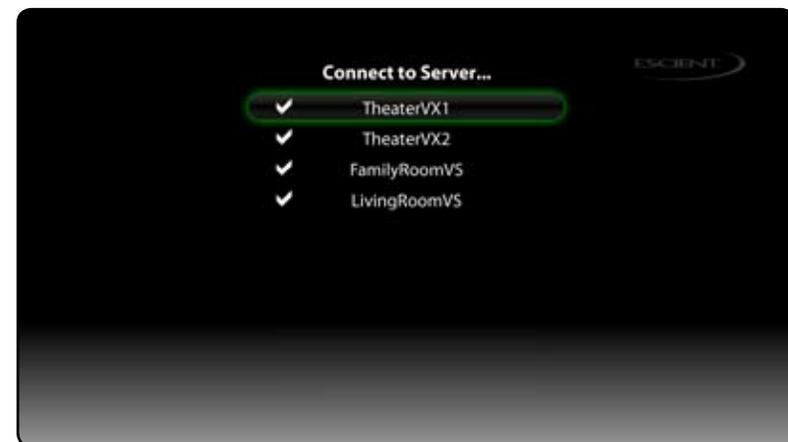
Note: You can select up to 4 Vision VS or VX servers at a time from any VS or VC client.

5. Press BACK to go back one level.
6. Choose Network Storage.
7. Media imported from this VS or VC client will be imported to the Vision storage servers on your network in the order that they are displayed on this screen. When the first server is filled, new media will automatically go on the next available server with enough free space.
8. To rearrange the order that servers are automatically filled, use the < and > arrows on the remote to move the selected server up or down in the list.

▼ Network Storage



▼ Connect to Server



Importing Movies and Videos

There are two methods for importing your DVD discs into the Vision System. Most commercial DVD discs can be imported to the Vision system using the front panel drive of a VS or VC client on your Ethernet network. Unencrypted movies and videos can be imported from your PC/Mac over the network using standard file sharing techniques.

To import DVD discs to a VX server from a VS or VC:

1. Insert the DVD into the front panel optical disc drive of a VS or VC client.
2. Press BACK on the remote to display the DVD/CD Player Menu.
3. Select IMPORT
4. Read and confirm the Import Agreement.

The DVD will be imported into the Vision system then ejected (as long as Import and Eject is set on your VS/VC DVD Preferences).

To import movies and videos from your computer:

1. Enter \\vision-vx\ into the Address bar of a window on your PC to connect to your Vision VX server.
2. Select the IMPORT volume.
3. Drag your ISO formatted movies/videos from your PC to the IMPORT folder.
4. When the import is complete, the movie will be added to the Movies library on your Vision.

If Vision is unable to determine the name of the movie (such as the case if you import a home movie) it will appear as "Unknown". You can edit the metadata for your movie/video to change how it appears in the Movies library.

Importing Music

There are two methods for importing your music into the Vision System. Music CDs can be imported to the Vision system using the front panel drive of a VS or VC client or digital music files can be imported from your PC/Mac over the network.

To import CD discs to a VX server from a VS or VC:

1. Insert the CD into the front panel optical disc drive.
2. Press BACK on the remote to display the DVD/CD Player Menu.
3. Select IMPORT

The CD will be imported into the Vision system using the current music encoder and ejected (as long as Import and Eject is set on your VS/VC DVD Preferences).

To import digital audio files from your computer:

1. Enter \\vision-vx\ into the Address bar of a window on your PC to connect to your Vision VX server.
2. Select the IMPORT volume.
3. Drag your digital music files from your PC to the IMPORT folder.
4. When the import is complete, the music will be added to the Music library on your Vision.

If Vision is unable to determine the artist, album, or track information for the music files, they will appear as "Unknown". You can edit the metadata for your music to change how it appears in the Music library.

Importing Photos

Digital photos can be imported to the Vision system from your PC/Mac over the network.

To import digital photo files from your computer:

1. Enter \\vision-vx\ into the Address bar of a window on your PC to connect to your Vision VX server.
2. Select the PHOTOS volume.
3. Drag folders of photos from your PC to the PHOTOS folder.
4. When the import is complete, the name of the folder will be added to the Photo library on your Vision.

***For example:** If you want to import photos of your Summer vacation onto your Vision, create a folder called "Summer Vacation" on your PC and place the photos that you want to import into Vision inside. After you copy this folder to your Vision, you will have a slideshow called "Summer Vacation" under the Photo library on your Vision.*

***Note:** Individual photos can not be imported into Vision. All photos MUST be contained inside of an enclosing folder.*

Changing Vision VX Server Settings

To change the language for the on-screen menus

1. Select Language
2. Select On Screen User Interface
3. Select the desired language

To set the time zone

1. Select General
2. Select Time Zone
3. Select the time zone where your Vision is located. This is used to set the internal clock and to periodically check for automatic updates during off hours.

To change the Ethernet network settings

1. Select Network
2. Select Ethernet
3. Select IP Address Type
4. DHCP (default) to automatically configure your network settings from your router or
5. Manual to manually configure the IP Address Settings: IP, gateway, subnet, and DNS addresses for your network

To test the network settings

1. Select Network
2. Select Ethernet
3. Select Test Settings

To change the server name

1. Select Network
2. Select Server Name
3. Enter the name that you want to appear on your network when you access your Vision from your PC or another Escent product

To configure network storage locations

1. Select Network
2. Select Network Storage
3. Select up to 4 Escent storage devices (VS or VX Vision servers) to store all of your imported media. Servers will be filled in order from top to bottom.

To enable password security

1. Select Network
2. Select Security
3. Enter a numeric password that has no more than 8 digits. This password will be required to access the VX Server web interface the next time you access it.

To view information about your Vision

1. Select Utilities
2. Select System Information
3. View information about your Vision system

To view information about the server's hard drives

1. Select Utilities
2. Select Storage Information
3. View information about the server's hard drives

To enable Escent Early Detection Monitoring

1. Select Utilities
2. Select Early Detection Monitoring
3. Ensure that Escent EDMS, Send Status, Send Warnings, and Send Critical are all set to ON
4. Select Enter Email Address...
5. Enter the desired Email Address and Select SAVE
6. Select Send Test Message... to test your settings

To view information about the content on your Vision

1. Select Utilities
2. Select My Content
3. Select Movies, Music, or Photos
4. View information about the selected type of media

To lookup metadata for unknown content on your Vision

1. Select Utilities
2. Select Media Lookup
3. Select Identity Unknown Music Covers or Identify Unknown Movies
4. Wait as the metadata is retrieved from the Escient servers

To delete movies and music from your Vision

1. Select Utilities
2. Select Delete Media
3. Select Movies or Music
4. Navigate the list and locate the media you want to delete from your Vision system
5. Press the OPTIONS button on the remote.
6. Select DELETE to confirm the permanent removal of the selected media

To delete photos from your Vision

1. Connect to your Vision using it's IP address or it's Server Name if you are have a Windows network
2. Select the PHOTOS volume
3. Delete the folders or individual photos that you want removed from your Vision by dragging them from the PHOTOS volume to the trash on your PC

Note: *Deleting Photos can only be accomplished from a PC over your network.*

Tips and Troubleshooting

Pre-Installation

In order to achieve a smooth and trouble free installation, please make sure the following items are investigated and in place before you attempt to install a Vision system:

- There is a working broadband Internet connection. The Internet connection is required for Vision to register the unit for software updates and to retrieve information about each DVD and CD that is imported into the system.
- There is a working gigabit Ethernet switch (not a router) with enough ports for each Vision device being installed.
- For best results, we recommend using a dedicated gigabit Ethernet switch (not a router) for all Vision devices. This will ensure that you are getting the best possible network bandwidth for playing Movies over your network.
- CAT5 or CAT5e cable will work, but Cat 6 is recommended for the best possible performance, especially if you have a multi-room installation.
- Ethernet cabling does not exceed the recommended 100-meter length between devices. If you need to go beyond 100 meters, install an additional router between the runs.
- There is a router configured to assign dynamic IP addresses (DHCP).
- If there is a firewall on the network, make sure the Vision can get out on ports:
 - 80 (HTTP)
 - 443 (HTTPS)
 - 8080 (CDDDB)
- Make sure there is enough ventilation at the location of each Vision device.
- The use of an uninterruptible power supply (UPS) is recommended at the location of all VS products to prevent possible data loss in the event of an unexpected power loss.

Concurrent Operations

VS Server Limits

When properly installed, the Vision VS can support the following concurrent functions:

- Streaming to five different VS/VC clients while playing a movie locally
- Streaming to five different VS/VC clients while importing a movie from the front panel drive
- Stream to one VS/VC client while importing a movie from the front panel drive
- Stream to one VS/VC client while importing a movie from a remote VS/VC client
- Remotely import up to two movies from VS/VC clients (no movies playing locally or streaming)

VX Server Limits

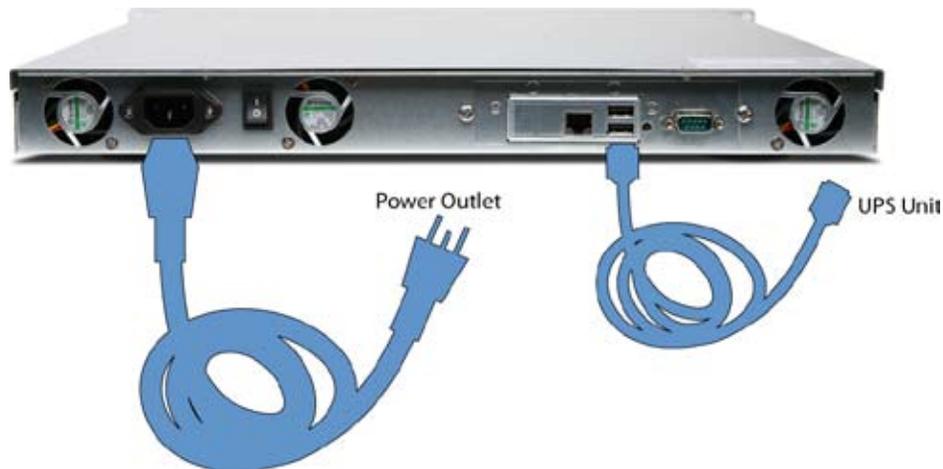
When properly installed, the Vision VX can support the following concurrent functions:

- Streaming to ten different VS/VC clients
- Remotely import up to four movies from VS/VC clients (no movies playing)
- Remotely import up to two movies from VS/VC clients (two movies playing)

Installing and Using a UPS (Uninterruptible Power Supply)

Note: Make sure you have properly shutdown your Vision VX before disconnecting the power!

Your Vision VX server is preconfigured to operate with several UPS devices from APC (American Power Conversion) that support USB connections. To use a supported UPS device, simply connect a USB cable from the UPS to one of the USB ports on the back panel of your VX server and plug your VX into one of the battery backup outlets on your UPS device. When the UPS detects a loss of power it will send the VX a message over USB to tell it to enter "Safe Mode" where the network is disabled, the server volumes are unmounted, and the drives go into hibernated mode. The power will remain on as long as the UPS can supply battery backup. When power is restored, the UPS will inform the VX to startup again.



Supported UPS Devices

BRAND	MODEL
APC	Back-UPS CS 650
APC	Back-UPS ES 350
APC	Back-UPS ES 500
APC	Smart UPS 750

Unsupported UPS Devices

Other CS, ES, XP, and Smart series APC models with USB support

Region Coding

Most DVDs are set for use in a specific region code for different parts of the world. The Vision can play and import discs from different regions, however you can only change the region setting 5 times. **The region is changed automatically each time you insert a disc that has a region that is different from the previous disc's region.** The 5th time it changes, it is locked on that region. Playing imported DVDs from Vision servers or hard drives DOES NOT increment the region setting count.

Supported File Types

Vision supports the following audio and video file formats:

Audio File Format	Import	Encode
MP3	Yes	Yes
FLAC	Yes	Yes
AAC (non Apple DRM)	Yes	No
WAV	Yes	No
Apple Lossless	Yes	No
WMA	Yes	No
Video File Format	Import	
ISO (encrypted MPEG2 DVD)	Yes	
ISO (Unencrypted MPEG2 DVD)	Yes	
VOB (Unencrypted MPEG2 DVD)	No	
TS (raw transport stream)	No	
MP4 (MPEG4 part 2/h.263)	Yes*	
MP4 (MPEG4 part 10/h.264)	No	

*may be included in a future software release

Sharing Vision's Music with Fireball Music Servers

Vision's music library can be accessed from most Fireball Music Servers on your network using the same technique that allows you to share music between two Fireball music servers. Follow the steps that came with your Fireball product for connecting to another Fireball server and select the name of your Vision from the list of available servers.

Supported Fireball Media Servers include: E2, DVD, SE, MX, AVX, MP-150/200, ZP, and FP

Note: *Vision's movies, photos, and Rhapsody are not available from connected FireBalls.*

Sharing Fireball Music with your Vision Music Server

Vision can access music stored on a Fireball Music server over your network and merge it into its local music library.

To connect to a Fireball Music Server

1. Select Network
2. Select Connect to Server
3. Select the name of the Fireball Music Server that you want to connect to
4. Your Fireball music will now be merged into your local Vision music library

Escient Early Detection Monitoring System (EDMS)

The VX Series Vision Media Server includes a feature called Escient Early Detection Monitoring that monitors the condition of Vision's internal hard drives. In the unlikely event of a problem with one of its drives, your Vision will notify Escient Tech Support and your Escient dealer, using its Internet connection, therefore it is important to make sure Vision always has a working Internet connection.

The Vision VX series contains four identical internal hard drives that are configured in what is called a "RAID 5" configuration. RAID 5 means that data is written across all four drives simultaneously so that you always have an up to date backup should you encounter a problem with one of them. If Vision encounters a problem with one of your drives you should not use it any further as you don't want to risk having a problem with another drive. If there is a problem with more than one drive, all of your data could be lost.

Always follow the onscreen instructions that appear from a VS or VC client if the EDMS detects a potential problem with your Vision VX Media Server.

Please contact Escient tech support if you have any problems with EDMS critical level messages on your Vision server.

EDMS can be setup to send 4 different types of messages when server events occur. They are:

Send Status = System generated status messages that do not require immediate attention

Send Warnings = A non-critical event occurred that requires attention soon.

Send Critical = Something has or is about to go wrong which may result in permanent data loss. Immediate attention is required

Service and Support

Finding your VX serial number

The serial number for your Vision product can be found on the back panel of the device.



Contacting Escient Technical Support

Escient's award winning support staff is available to assist you should you have any questions or problems with your Vision. Phones are staffed Monday through Friday from 8:00am to 6pm Eastern Standard Time.

- Phone: 800-372-4368 Press "3" for Support or "2" for Sales
- Fax: 317-616-6790
- Internet: <http://www.escient.com>
- Email: <mailto://support@escient.com>

Please have the following information ready for the Escient Customer Support technician:

- Product Serial Number (on the back of the unit or under Setup/Utilities/System Information)
- Model Number (printed on the front of the unit)
- Date and Place of Purchase

Important Care and Cleaning Information

Using Connectors and Ports

Never force a connector into a port. Check for obstructions on the port. If the connector and port don't join with reasonable ease, they probably don't match. Make sure that the connector matches the port and that you have positioned the connector correctly in relation to the port.

Keeping Vision Within Acceptable Temperatures

Operate Vision in a place where the temperature is always between 0° and 40° C (32° to 104° F). Do not enclose Vision in a shelf or rack without proper ventilation. Always maintain sufficient airflow on all sides of the chassis.

Keeping the Outside of Vision Clean

To clean Vision, unplug the power cord and all cables. Then use a soft, slightly damp, lint-free cloth. Avoid getting moisture in openings. Don't use window cleaners, household cleaners, aerosol sprays, solvents, alcohol, ammonia, or abrasives to clean Vision.

Specifications

Power and Environmental Specifications

- Line voltage: 90V to 230V AC
- Frequency: 50Hz to 60Hz
- Operating Temperature: 40 to 95°F (5 to 35°C)
- Storage Temperature: 15 to 155°F (-10 to 70°C)
- Relative Humidity: 5% to 95% RH
- Maximum Operating Altitude: 10,000 feet

Physical Specifications

- VX Series: 430.5cm Wide x 44 High x 457.5 Deep

Power Consumption

- VX Series: 68W max

3rd Party Certifications

- FCC Class B
- VCCI Class B
- CE Class B

FCC Part 15, Subpart B

Class B

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.
- Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

Vision FAQ

Movies Q&A

- 1. Can you import standard DVDs?**
 - a. Yes, DVDs that you own may be imported using the front panel DVD/CD Player.
- 2. Are DVDs converted or compressed when you import them?**
 - a. No, the DVD is imported in its entirety and stored in its original MPEG-2 format.
- 3. Can I import my home movies?**
 - a. Yes. If you have created a standard DVD from your home video or movies, you can import them using the front panel DVD drive. You may also import MPEG2 video in ISO format over your home network.
- 4. Are there parental controls for movies?**
 - a. Yes. MPAA ratings are supported for all movies.
- 5. How many video streams can I play at once from a VS server to VS/VC clients?**
 - a. 5
- 6. How many video streams can I play at once off of a VX server to VS/VC clients?**
 - a. 10
- 7. Can you play or import HD-DVDs or Blu-Ray DVDs?**
 - a. No.
- 8. Can you import from the VS or VC directly onto the VX server?**
 - a. Yes, using the front panel drive.
- 9. How many movies does each Vision product store?**
 - a. The VS-100 stores up to 100 movies, the VS-200 stores up to 200 movies, and the VX-600 stores up to 600 movies based on an estimated average of 5GB per movie (and no stored music). The actual total number of movies stored on the Vision models will vary depending on average movie size.

- 10. Will it support a Blu-Ray/HD-DVD changer when one is available?**

- a. Yes. When a Blu-Ray/HD-DVD changer that supports HDMI a/v and control connections becomes available, the Vision will support it.

- 11. Can I play DVDs other than Region 1 discs?**

- a. The VS and VC players are set for the region that they are sold in.

- 12. Can I change the MPAA rating so my kids can't watch a movie?**

- a. Yes. All metadata for music and movies is user editable from the TV interface or from your computer using a web browser.

Music Q&A

- 1. Can you import CDs?**

- a. Yes, using the front panel drive of a VS or VC client.

- 2. Can you create CD-Rs?**

- a. No, The Vision currently does not allow creating "mix" or custom CD-R discs.

- 3. Does Vision Support Internet Radio?**

- a. Internet Radio is still available on Fireball series. Rhapsody Channels (streaming radio stations) is available on the Vision series.

- 4. Can you connect your iPod to the Vision?**

- a. Using the Fireball FP-1 with integrated iPod dock, the Vision VS and VC models can access anything on your iPod over your home network.

- 5. Can you connect iTunes to the Vision?**

- a. Yes, iTunes can use the Vision as it's source for music files and sync Vision music to your iPod.

- 6. What audio formats are supported?**

- a. WAV, MP3, AAC, WMA, and FLAC

Photo Related Q&A

- 1. What image formats are supported?**
 - a. JPEG, GIF, and PNG
- 2. Why don't individual photos imported into /Photos appear under Photos/ Slideshow?**
 - a. You have to import a folder with images inside because the folder name is used for the name of the Slideshow. Without a folder, there is no Slideshow to organize the individual photos under.

Networking Q&A

- 1. What kind of network do you recommend for Vision?**
 - a. A Gigabit switch (not a router) and Cat5e or Cat6 cabling.
 - b. A single run of Cat5e/6 cable should never exceed 100 meters.
- 2. Can you sync movies and music from one Vision to another?**
 - a. No.
- 3. Are software updates free or is there a fee?**
 - a. Escent software updates and data lookup services remain free of charge.
- 4. How does the Vision work with the Fireball line of products?**
 - a. Vision VS and VC clients can connect to a Fireball server to access its hard drive based music content.
 - b. FireBall products can also access music stored on the Vision servers.
- 5. Can I use any standard network storage device or NAS with the Vision clients to play media over my network?**
 - a. No, you must use the Vision VX-600 NAS because it provides RAID 5 redundancy for your music, movies, and photos, Escent Early Detection Monitoring System to alert you of possible drive failures, and runs the software which allows Vision Media Management and the ability to access multiple Vision servers to share media over the network.

- 6. Why does the CONTENT directory on my VX not show my imported movies?**
 - a. Vision is a closed system when it comes to storing your personal DVD movies. Once they are on the Vision system, you can not copy them off the Vision. For this reason, imported ISO movies will not appear in the CONTENT directory. Only imported Music will appear.

Technical Q&A

- 1. What is the video bandwidth of Vision?**
 - a. Using standard DVD/MPEG-2 specifications, it is 5Mb/s and bursts to 8-9Mb/s.
- 2. Are there rack mount options for Vision products?**
 - a. Yes, the VX-600 comes with racking mount brackets
 - b. Middle Atlantic will supply a rack adapter kits for the VS and VC series products. <http://www.middleatlantic.com/>
- 3. What is the front panel USB port for?**
 - a. You can connect a standard USB keyboard to be used for editing text.
- 4. Will it output a 1080p video signal?**
 - a. Yes, it will up-convert video to 1080p over HDMI.
- 5. Are all video outputs active at the same time?**
 - a. Yes if you set HDMI to 480p and composite, s, and component to 480i. This is the default mode from the factory.
- 6. Can I add more storage space when I run out?**
 - a. Yes. The VS and VC series products can access one or more VX-600 servers on the network. Adding multiple VX-600s to your network will increase your Vision storage space.
- 7. Are the hard drives hot swappable?**
 - a. The hard drives on the VX-600 are hot swappable in the event of a RAID disc failure.

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