



Escient® Vision™

VS server/player & VC player

User's Guide

Version: M51003-02A3

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 **Rhapsody**[®]

Music never looked so good

Rhapsody delivers millions of songs to your Escient Vision

You've got 30 days of Rhapsody — absolutely free

Rock, pop, country, jazz – you name it - Rhapsody delivers a massive catalog of music to your Escient Vision. Choose from millions of songs by thousands of artists and listen all you want.

There's no PC required. No need to download anything. Just hook up your system, accept the no obligation trial, and start listening.

- Listen all you want without paying for individual tracks
- Search the entire catalog through the Vision interface
- Listen to old favorites and the newest releases
- Tune in to continuous music with Rhapsody Channels



Hook up your Escient Vision and start listening

1. Select Rhapsody from the Main Menu
2. Choose No unless you are an existing Rhapsody member
3. Select Yes if you would like to start your free 30-day trial
4. Find your favorite music and start listening



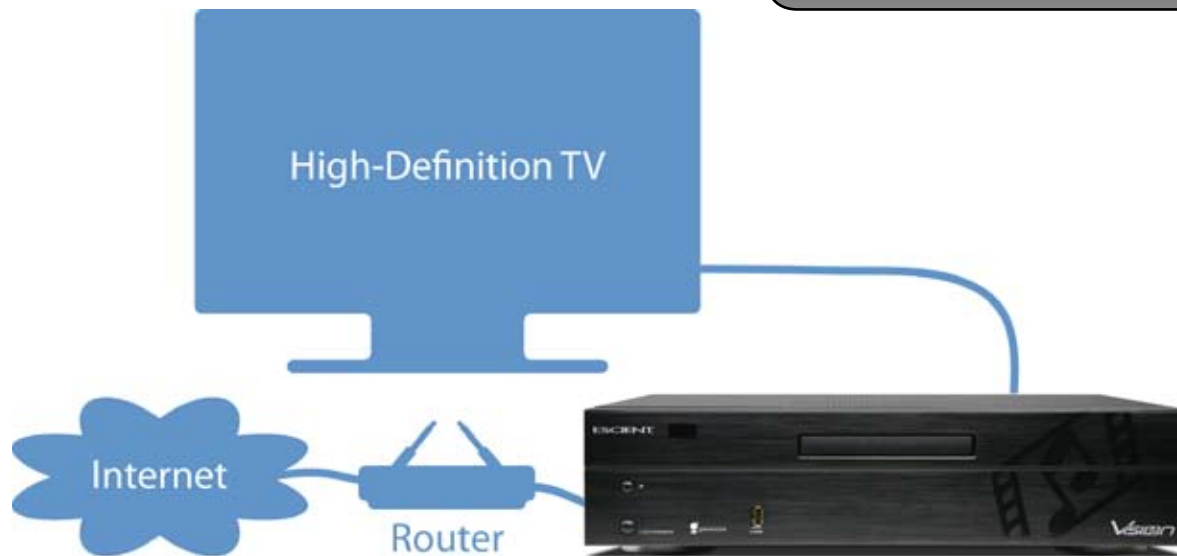
To learn more visit www.rhapsody.com/escient/learnmore

The free trial is available to new customers of Rhapsody only and cannot be used with a current Rhapsody account or with any other special offers. Users must accept standard terms and conditions of use. Offer valid for U.S. residents only. Rhapsody and the Rhapsody logo are trademarks or registered trademarks of RealNetworks, Inc. Service may be cancelled by calling 1-866-420-5833. Offer expires 12/31/09.

Welcome

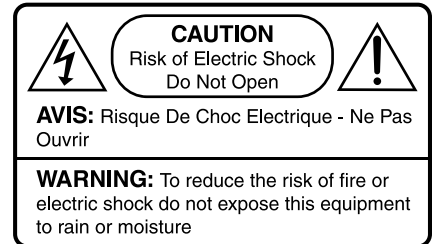
Congratulations and thank you...

...for purchasing the Escient Vision Media Server or Player! This user's guide describes the features and proper use of the Vision VS and VC 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 web site for more information about software updates.



Warnings and Precautions

- **CAUTION - Danger of explosion if the battery in the IR remote is incorrectly replaced. Replace only with the same or equivalent type.**
- 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 a proved in writing by an authorized representative of Escient could void your warranty and/or your authority to operate this equipment.
- Prolonged use of any video device that produces a static (non-moving, non-changing) or repetitive image on your projector, television or plasma display device can cause "screen burn-in". You are encouraged to leave the screen saver turned on and set to the lowest possible "time-out" duration.



This device uses the main plug (power cable) as the means to disconnect the unit, this unit remains powered unless disconnected from the main (power) source.

Vision Contents

VS-100 / VS-200 & VC-1

- Power Cable
- Ethernet Cable
- Remote Control
- Two AA Batteries



What You Need to Setup Vision

- A widescreen high definition TV with an HDMI, DVI, or component video port and analog or digital audio ports.
- An HDMI, HDMI to DVI, or component video cable and analog or digital audio cables
- A Gigabit Ethernet switch (not a hub). The switch must be connected to a network router with broadband Internet access (DSL, Cable, LAN, FIOS)
- A/V Receiver and surround sound speaker system (optional)

Note: The VC Series products must be installed with at least one Vision VS Series or VX Series product to be able to access stored music, movies, videos, and photos as the VC does not contain any hard drives for internal storage of media.

Vision at a Glance



VS Series Server/Players

- | | |
|--------------------------------|--|
| 1. Power Button and Status LED | 4. USB Port |
| 2. Disc Eject Button | 5. DVD/CD Drive |
| 3. IR Receiver | 6. Redundant 500GB or 1TB internal hard drives |



- | | |
|---|--------------------------------------|
| 1. Power Connector | 6. S-Video Out |
| 2. Digital Audio Out (Coax and Optical) | 7. Gigabit Ethernet Port |
| 3. IR In | 8. Component and Composite Video Out |
| 4. HDMI Out | 9. USB Port (x2) |
| 5. HDMI In (x4) | 10. Analog Audio Out |



VC Series Players

- | | |
|--|-----------------|
| 1. IR Receiver | 3. Power Button |
| 2. DVD/CD Combo Drive
(behind metal flip down door) | 4. Status LED |



- | | |
|---|---------------------|
| 1. Digital Audio Out (Coax and Optical) | 6. Analog Audio Out |
| 2. S-Video Out | 7. IR In |
| 3. Gigabit Ethernet Port | 8. HDMI Out |
| 4. USB Port (x2) | 9. HDMI In |
| 5. Component and Composite Video Out | 10. Power Connector |

VS & VC Series Components

Front Panel LED - Will flash red until the system is ready, at which point it will turn blue. Solid red indicates that the system is in Standby mode (video off).

IR Receiver - Use with the included handheld IR remote to control the Vision

Power Button - Press and release to toggle the Vision between standby and on. Hold for 5 seconds to force the unit to shutdown (power LED turns off). Press the power button again to power up.

Eject Button - Press and release to eject the internal optical disc tray.

USB port (front panel) - Use to connect a USB keyboard and mouse to control the Vision

Power port - Plug the included AC power cord into Vision

Gigabit Ethernet port - Connect Vision to your Gigabit Ethernet switch using a Cat 5e or Cat 6 rated cable.

USB ports (back panel) - Use to connect one or more USB to RS-232 DB-9 Serial adapters to control external changers or to control Vision from external control systems using the Escient RS-232 control protocol.

IR port - Connect Vision to an external wired IR control system using a stereo 1/8" cable where the sleeve is ground, ring is power, and tip is signal.

HDMI input ports - Connect Vision to an external disc changer that has an HDMI port or to an Escient CH-1 adapter kit to pass component video + digital audio from a Sony 777ES Mega changer, using a high quality HDMI cable

HDMI Output port - Connect Vision to a widescreen high definition TV that has an HDMI port using a high quality HDMI cable, or a DVI port using an HDMI to DVI cable.

Component Video ports - Connect Vision to a widescreen high definition TV that has component video (Y, Pb, and Pr) ports using a high quality component video cable with green, blue, and red connectors.

S-Video port - Connect Vision to a standard definition TV that has an S-Video port using a high quality S-Video cable.

Composite Video port - Connect Vision to a standard definition TV that has a composite video port using a high quality video cable.

Coax digital audio port - Connect Vision to a home theater A/V receiver that has a coax digital audio port, using a high quality coax digital cable.

Optical digital audio port - Connect Vision to a home theater A/V receiver that has an optical digital audio port, using a high quality optical digital audio (also called a S/PDIF or TOSLINK) cable.

Analog audio ports - Connect Vision to a widescreen high definition TV or home theater A/V receiver with analog audio port (red and white), using an analog audio cable.

VX Series Servers

The VX Series products provide the ability to add more storage to VS based installations and provides central network storage for multiple VC based installations. The VX Series is only storage. You can't connect a VX to a TV. For example, you could install 4 VC Series players in four different rooms of the house and access one to four VX Series storage devices located in the central equipment room.



Getting Started

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

To get started you need to:

1. Connect audio and video cables to Vision and your widescreen high definition TV or home theater A/V receiver
2. Connect Vision to your Ethernet network

You can connect Vision to a widescreen TV that has:

1. An HDMI port using an HDMI cable for both video and audio
2. Component video (Y, Pb, and Pr) ports using a component video cable with green, blue, and red connectors, and an audio cable
3. A DVI port using an HDMI-to-DVI cable for video and an analog or digital audio cable. (audio is not passed over a DVI connector so you have to connect audio separately)

Note: Vision's startup screens are displayed on the component video output only. It may take up to two minutes for the video to be available on the HDMI output.

You can also connect Vision to a home theater A/V receiver.

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 Vision

Before you begin, look at the back of your TV or receiver and find the audio and video ports. Make sure you have the appropriate cables for your setup.

Step 1: Connecting the audio and video cables

Choose the setup that matches the ports on your TV or A/V receiver.

To connect a widescreen TV with an HDMI port:

1. Connect one end of an HDMI cable to the back of your TV.
2. Connect the other end to the Vision's HDMI out port.

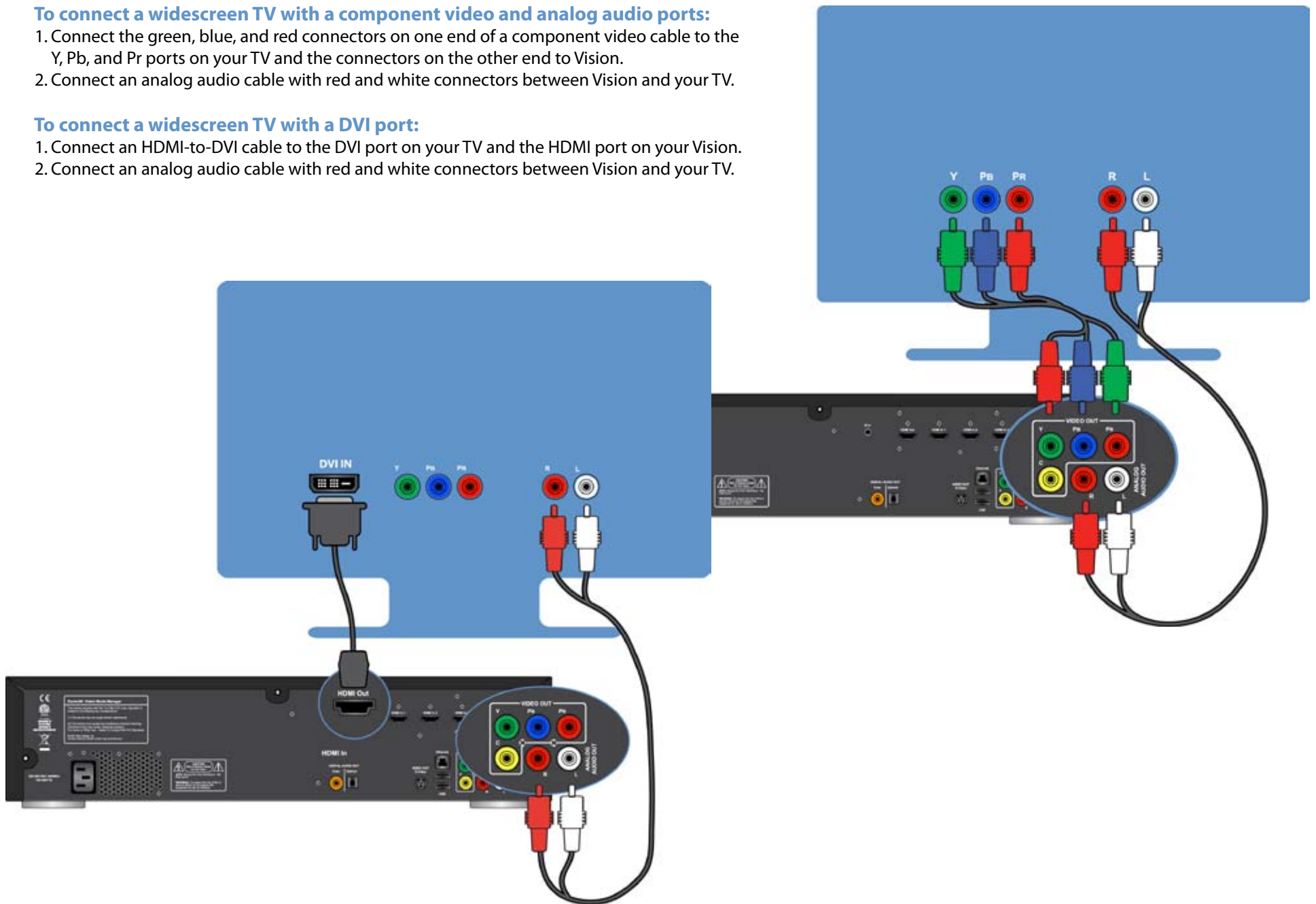


To connect a widescreen TV with a component video and analog audio ports:

1. Connect the green, blue, and red connectors on one end of a component video cable to the Y, Pb, and Pr ports on your TV and the connectors on the other end to Vision.
2. Connect an analog audio cable with red and white connectors between Vision and your TV.

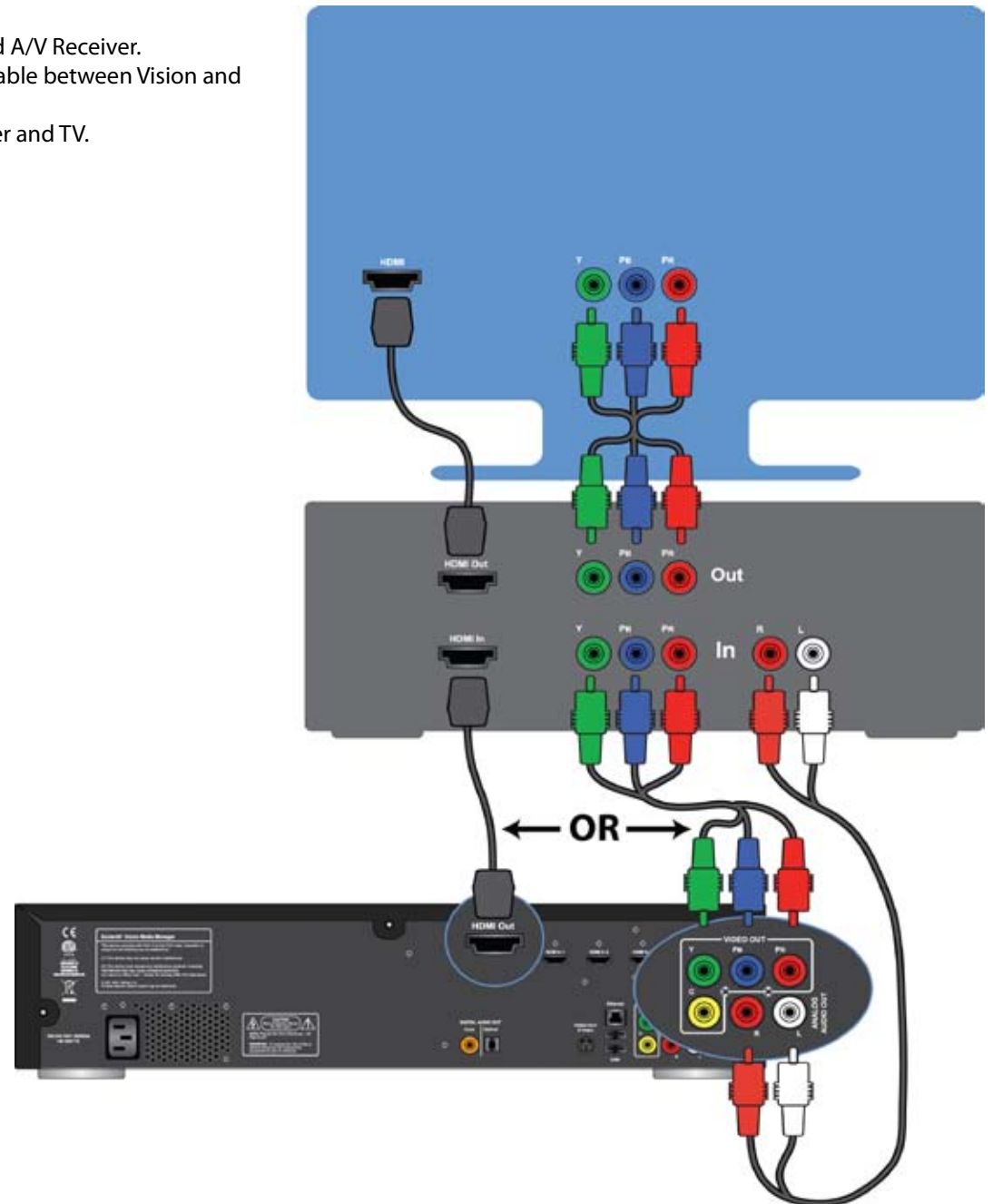
To connect a widescreen TV with a DVI port:

1. Connect an HDMI-to-DVI cable to the DVI port on your TV and the HDMI port on your Vision.
2. Connect an analog audio cable with red and white connectors between Vision and your TV.



To connect a widescreen TV and an A/V receiver:

1. Connect an HDMI or component video cable between your Vision and A/V Receiver.
2. If using a component video cable, connect a digital or analog audio cable between Vision and A/V Receiver.
3. Connect an HDMI or component video cable between the A/V receiver and TV.



Step 2: Connect an Ethernet cable

Connect a Cat 5e or Cat 6 rated Ethernet cable from your gigabit Ethernet switch to the Ethernet port on the back of Vision.

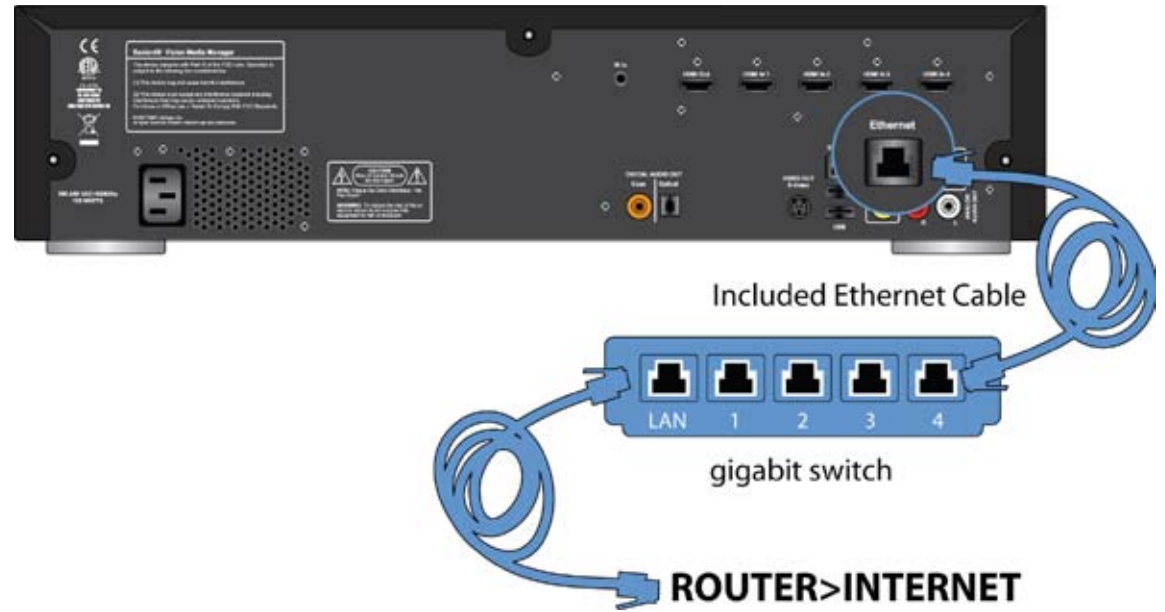
Step 3: Connect the power cord

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

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

Step 4: Turn on your TV and select the input

If your connections are OK, you should see the Vision splash screen on your TV as the Vision is starting.



Note: Refer to the CH-1 changer accessory kit documentation for connecting external changers.

Note: The initial Vision startup process takes several minutes. A startup screen with the Vision logo is displayed on the component video output only during the startup process. If your TV screen is still blank after the startup process, make sure the input selected on your TV matches the input the Vision is connected to. See “Tips and Troubleshooting” at the end of this guide, and see the documentation that came with your TV for information about switching inputs.

Configuring Vision

The first time you use Vision you be prompted to select a language. After doing so, you will be asked to read and accept the Escient End User License Agreement. Vision will then 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.

Language Settings

Select one of the available languages for Vision’s on-screen user interface using the blue keys (up, down, and OK) on the remote.

Escient EULA

Press the down arrow key on the remote as you read through the Escient End User License Agreement. Once you have read the entire agreement, the Accept and Decline buttons are enabled. You must accept the terms of the EULA by highlighting the Accept button and pressing OK on the remote in order to continue using Vision.

If you do not accept the terms of the EULA, please return the product to your Escient dealer.

Display Settings

Vision will attempt to automatically determine your TV’s resolution and sync with it. If the picture does not fill the screen, is cut off, or too small, you may have to set the resolution manually.

Network Settings

If your network is setup to dynamically assign IP addresses using DHCP, Vision will automatically detect your network and configure itself. If you don’t use DHCP, the automatic network configuration will fail and 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.



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 Escient FireBall music servers
- Music stored on your Apple iPod (using the Escient 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.

Importing Movies and Videos

Most commercial DVD discs can be imported to the Vision system using the front panel drive. Movies and videos that you have created yourself can be imported from your PC over the network.

To import DVD discs:

1. Insert the DVD into the front panel optical disc drive.
2. The movie will automatically start playing.
3. Press the Back or Stop key on the IR remote to return to the DVD/CD Player menu.
4. Select the Import menu item.
5. Read and confirm the import agreement.

The DVD will be imported into the Vision system. Press the Back button to return to the DVD/CD Player menu once the import is complete.

To import movies and videos from your computer:

1. Connect to your Vision using its IP address or its Server Name if you are have a Windows network.
2. Select the IMPORT volume.
3. Drag your 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

Music CDs can be imported to the Vision system using the front panel drive or imported from your PC/Mac over the network.

To import CD discs:

1. Insert the CD into the front panel optical disc drive.
2. The CD will automatically start playing.
3. Press the Back or Stop key on the IR remote to return to the DVD/CD Player menu.
4. Select the Import menu item.
5. Select either Start Import to import all tracks on the CD or select Select/Unselect Tracks to only record some of the tracks.

The CD will be imported into the Vision system. Press the Back button to return to the DVD/CD Player menu once the import is complete.

To import digital audio files from your computer:

1. Connect to your Vision using its IP address or its Server Name if you are have a Windows network.
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 movie 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 over the network.

To import digital photo files from your computer:

1. Connect to your Vision using its IP address or its Server Name if you are have a Windows network.
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 family 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.*

Using Vision

Make sure that the remote is set to send the correct IR codes to Vision by pressing the R1 key located at the top left of the remote.

This section describes how you use Vision to watch, listen, and view your media using the Vision IR remote

In order to access your Vision media, you will need to interact with the on-screen user interface. The included wireless infrared remote control allows you to control every feature of Vision with only a few buttons.

Basic Navigation Using The Remote Control

Use the IR remote to control Vision and navigate through your content. Using only the blue keys on the remote, you can access almost every feature of Vision.

To	Do this
Scroll through menu items one at a time	Press UP or DOWN
Select a menu item	Press OK
Return to the previous screen	Press BACK or LEFT
Return to the main menu	Press HOME
See optional features for the currently highlighted item	Press OPTS
Scroll through menu items a screen at a time	Press PAGE UP or DOWN

Advanced Features of the Remote Control

Universal Remote Control Capabilities

The Escient remote has the ability to control four non-Escient products such as a TV, Cable/Satellite box, Receiver, or DVD player. Please refer to the Escient “Remote Control Guide (Vision)” (available on the Escient web site: <http://www.escient.com/support/manualsdocs.html>) for details on configuring the Escient remote to control other products.

Escient IR Code Banks

The Escient remote is also designed to control multiple Escient products and as such contains the ability to control four different Escient products assigned to code banks R1 – R4 on the remote. These banks are identical to the FB1 – FB4 code banks on other Escient FireBall remotes.

Note: Vision will respond to IR code bank R1 by default.

Direct Access to Main Source Menus

To	Do this
Go directly to the Movies menu	Press VIDEOS
Go directly to the Music menu	Press MUSIC
Go directly to the Photos menu	Press PHOTOS
Go directly to the Rhapsody menu	Press RADIO
Go directly to Setting menu	Press SETUP



Transport Controls for Movies and Music

To	Do this
Play	Press ▶
Pause	Press II
Stop	Press ■
Scan Forward	Press ►►; Press again to increase speed
Scan Backward	Press ◀◀; Press again to increase speed
Change Chapters / Tracks	Press ◀◀ or ►►
Go directly to DVD menu	Press MENU
Go directly to the DVD top menu	Press MENU twice



Additional Features

The following keys on the remote control allow direct access to Vision features:

- MENU/VIEW = Displays Now Playing screen.
- RECORD x2 = Imports the CD/DVD present in the +1 drive.
- PLAY = Clears field.
- OK at Now Playing screen = Displays current queue.
- ADD = Adds the highlighted artist, album, track, or genre to the play queue.
- PLAY = Initiates play from queue.)



Watching a DVD

The built-in optical drive that is used to import DVDs and CDs can also be used to play a DVD on the local TV.

Enable Display and Play Mode for DVDs:

First make sure that DVDs inserted into the front panel drive do not import automatically by setting the DVD Insert Preferences to “Display and Play”:

1. Choose DVD/CD Player from the main menu.
2. Choose Preferences.
3. Choose DVD Insert.
4. Choose Display and Play.
5. Press BACK until you are back at the DVD/CD Player menu.

To watch a DVD disc:

1. Insert the DVD disc you want to watch.
2. The DVD will load and play.
3. Use the Vision remote to navigate the DVD Menu and start watching



Watching a Movie or Video

Watching a movie or video off of the Vision system couldn't be easier. Use the remote to browse your movie collection by Cover, Title, Genre, MPAA Rating, Actor/Cast, or Director.

To watch a Movie or Video:

1. Choose Movies from the main menu.
2. Locate the movie or video you want to watch.
3. Press PLAY on the remote to play the movie or press OK for more options.
4. The movie or video will begin playing from the start of the first chapter, bypassing the previews.

To	Do this
Play a movie from where you last stopped playing it	Choose Resume
Play a movie from the beginning of chapter 1, bypassing the previews.	Choose Play Movie
Play the DVD from the beginning including a trailers and warnings	Choose Play Disc
Access a DVD's original menu	Choose DVD Menu
Play the current movie	Press ▶ or OK



Listening to a CD

The built-in optical drive that is used to import DVDs and CDs can also be used to play a CD.

Enable Display and Play Mode for CDs:

First make sure that CDs inserted into the front panel drive do not import automatically by setting the CD Insert Preferences to “Display and Play”:

1. Choose DVD/CD Player from the main menu.
2. Choose Preferences.
3. Choose CD Insert.
4. Choose Display and Play.
5. Press BACK until you are back at the DVD/CD Player menu.

To listen to a CD disc:

1. Insert the CD disc you want to listen to.
2. The CD will load and play.
3. Use the Vision remote to change tracks on the CD.



Listening to Music

Listening to music on the Vision system is also very easy. Use the remote to browse your music collection by Cover, Artist, Album, Track, or Genre.

To listen to Music:

1. Choose Music from the main menu.
2. Locate the artist, album, or track you want to listen to.
3. Press PLAY on the remote.
4. The selected music will be added to the play queue and begin playing.

To	Do this
Play the current track	Press ► or OK
Play the current album (all tracks)	Press ► or OPTIONS
Play something now	Press OPTIONS, Play Now
Play something next	Press OPTIONS, Play Next
Add something to the end of the play queue	Press OPTIONS, Add to Queue
See what is currently playing	Select Music from the main menu, Now Playing
Play all albums for the current artist	Press OPTIONS, Play Now
Play music from several genres	Highlight a Genre, Press OPTIONS, Add to Queue
Skip to the next song	Press ►►

To manage the Now Playing Queue:

Music is always added to a play queue. You can view, edit, clear, and save the queue as a playlist if you like.

1. Select Music/Now Playing to display the Now Playing screen

To	Do this
Display the play queue	Press OK from the Now Playing screen
Clear the play queue	Press OPTIONS, Clear Queue
Reorder tracks in the queue	Press ◀ or ▶ to move the highlighted track up or down
Remove a track from the queue	Press OPTIONS, Remove Track
Add music to an existing Playlist	Press OPTIONS, Add to Existing Playlist
Add music to a new Playlist	Press OPTIONS, Add to New Playlist



Viewing Photos

Photos that you have previously imported into Vision will appear under the name of the enclosing folder that you imported from your PC.

To view photos on Vision:

1. Choose Photos from the main menu.
2. Choose Slideshows.
3. Choose a Slideshow by name.
4. The photos in the selected slideshow will be displayed according to your Photo Options.

To	Do this
Pause a slideshow	Press II
Resume a slideshow	Press II or ▶
Skip to the next photo	Press ►►
Skip back to the previous photo	Press ◀◀
Change how long each photo is displayed	Select Photos, Options, Duration, OK to cycle the available durations.
Display photos in order or randomly	Select Photos, Options, Random to toggle Random on/off.
Turn the transition fade effect on or off	Select Photos, Options, Fade to toggle Fade on/off.
Scale each image to fit your display horizontally or vertically	Select Photos, Options, Zoom to toggle Zoom on/off.
Select a different playlist to play while viewing photos	Select Photos, Options, Soundtrack



Listening to Rhapsody Music

What is Rhapsody?

Rhapsody is a membership-based music service that gives you unlimited access to a catalog of millions of full length, CD-quality tracks. Listen whenever you want, get personalized music suggestions tailored to your musical tastes, and take your music with you wherever you go.

Vision comes with a free 30-day trial account for the Rhapsody Unlimited service.

After 30 days you can sign up for a low monthly fee to continue listening to all of your Rhapsody music. For more information, please visit www.rhapsody.com on the web.

To setup your Rhapsody Account

1. Select Rhapsody from the main menu.
2. Follow the on-screen instructions for entering your existing Rhapsody account information or starting the free Rhapsody Trial.

To select and play Rhapsody music:

1. Select Rhapsody from the main menu.
2. Select Search to search the Rhapsody service by Artist, Album, or Track or select Rhapsody Music Guide to manually locate music by navigating through Genres, Artists, Albums, New Releases, Recommendations, etc...
3. Press the OPTIONS key on the remote and selection one of the following:
4. Play Now – Play the music now
5. Play Next – Play the music after the current song ends
6. Add to Queue – Add the music to the end your play queue
7. Add to My Rhapsody Library – to mark the music so it can be located and played faster using “My Rhapsody” (see below).
8. You can also press PLAY to play the current Album or Track immediately.

Note: You can play three different streams at a time using one Rhapsody account. This means that you can enter the same Rhapsody user name and password into all of your Vision devices and listen to Rhapsody on any three at one time.

To	Do this
Play the current track	Press ▶ or OK
Play the current album (all tracks)	Press ▶ or OPTIONS
Play something now	Press OPTIONS, Play Now
Play something next	Press OPTIONS, Play Next
Add something to the end of the play queue	Press OPTIONS, Add to Queue
See what is currently playing	Select Rhapsody from the main menu, Select Now Playing
Play music from several genres	Highlight a Genre, Press OPTIONS, Add to Queue
Skip to the next song	Press ►►

To listen to Rhapsody Channels:

1. Select Rhapsody from the main menu.
2. Select Rhapsody Channels.
3. Navigate the menus to locate a Rhapsody Channel.
4. Press OK or PLAY to start playing the station.

Note: Rhapsody Channels allows you to skip to the next song by pressing the ►► key on the remote.

To access your favorite Rhapsody albums and tracks:

My Library is used to save your favorite Rhapsody Artists, Albums, and Tracks so its easier to find and play the music you like. Any Album or Song can be added to My Library by using the OPTIONS key on the remote when browsing the Rhapsody Music Guide.

1. Select Rhapsody from the main menu.
2. Select My Library.
3. Navigate the menus to locate the Artist, Album, or Track you want to play.
4. Press OK or PLAY to start playing the music.

To remove something from My Library:

1. Select Rhapsody from the main menu.
2. Select My Library.
3. Navigate the menus to locate the Artist, Album, or Track you want to remove.
4. Press OPTIONS, from My Library.

Changing Vision's Settings

To specify what to do when you insert a DVD

1. Select DVD/CD Player
2. Select Preferences
3. Select DVD Insert
4. Select Import and Eject to automatically import (then eject) a DVD inserted into the front panel disc drive, or select Display and Play to automatically play any DVD inserted into the front panel disc drive.



To specify what to do when you insert a CD

1. Select DVD/CD Player
2. Select Preferences
3. Select CD Insert
4. Select Import and Eject to automatically import (then eject) a CD inserted into the front panel disc drive, or select Display and Play to automatically play any CD inserted into the front panel disc drive.

To specify the format for storing music imported using the front panel drive

1. Select DVD/CD Player
2. Select Preferences
3. Select CD Import
4. Select the desired format to store music that you import using the front panel:
5. MP3 encoder (most compatible with other devices)
6. FLAC (same quality as the original CD with a 50% savings in storage space)
7. WAV (exact copy of the original CD – uses the most disc space)
8. If you selected the MP3 Encoder, select the bitrate or quality for MP3 formatted files. The higher the bitrate, the better the quality and the more space required for each track.

Use the Setup menu to manage Vision's global settings. For all of the following tasks, select SETUP from the main menu and then proceed with the steps listed...

To change the language for the on-screen menus

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

To adjust the screen saver settings

1. Select General
2. Select Screen Saver
3. Select the desired time to wait (with no user interaction) before starting the screen saver.

To adjust the now playing auto return time-out

1. Select General
2. Select Now Playing Auto-Return
3. Select the desired time to wait (with no user interaction) before automatically switching to the Now Playing screen from any other screen. This feature is active only when music is playing.

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 adjust the TV resolution

1. Select TV Resolution
2. Select Set Defaults to set the HDMI output to 480p and the analog outputs to 480i, or...
3. Select Change Resolution and select the TV resolution that best matches your TV.

To Set the Digital Audio Outputs for Movies and DVD Playback

1. Select Movie Audio
2. Select 5.1 Surround if you are connecting to a 5.1 surround sound system or
3. Select Stereo Downmix if you are connecting to a 2 channel stereo sound system.

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 Escient product.

To show or hide Rhapsody in the main menu

1. Select Network
2. Select Rhapsody
3. Select Service On or Off

To manage Rhapsody account information

1. Select Network
2. Select Rhapsody
3. Select Enter Account Information
4. Enter your Rhapsody user name and password

To connect to another Escient server

1. Select Network
2. Select Connect to Server
3. Select up to 4 Escient devices to connect to

To configure network storage locations

1. Select Network
2. Select Network Storage
3. Select up to 4 Escient 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 check for connected external disc changers

1. Select Changer Management
2. Select Discover Changers
3. Wait as each HDMI and USB port is checked for a connected external disc changer.

To get information about external disc changers and their slots

1. Select Changer Management
2. Select Statistics
3. View information about what is stored in your external disc changers.

To enable parental controls

1. Select Parental Controls
2. Select Password Protection
3. Enter a numeric password that has no more than 8 digits. This password will be required to view movies which are rated at or higher than your Movie Rating Level

To set the movie rating level for parental controls

1. Select Parental Controls
2. Select Movie Ratings
3. Select a movie rating for displaying movies without a password.

Note: All movies with an MPAA rating at or below the selected level will be shown in the Movies library without entering a password.

To configure the USB to serial port adapters

1. Select External Control
2. Select Serial Port Manager
3. Select external control until the desired serial port name to be used for external control is shown, or until "disable" appears to disable external control.

To configure the remote control

1. Select External Control
2. Select IR Remote
3. Select which bank or set of IR codes for Vision to respond to. The selected bank (R1, R2, R3, or R4) should correspond to the selected bank of codes on your IR remote. The default is Escient – R1.

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 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 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

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

1. Connect to your Vision using its IP address or its Server Name if you 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.

To restart your Vision

1. Select Utilities
2. Select Restart System
3. Select Restart

To shutdown or power off your Vision

1. Select Utilities
2. Select Restart System
3. Select Shutdown or Press and hold the front panel power button for about 10 seconds until the LED turns off.

To manually check for software updates using your Internet connection

1. Select Utilities
2. Select Software Update
3. Select Check for Update

Editing Vision's Media Information

To Edit Information for a Movie

1. Select Movies from the main menu
2. Select Options.
3. Select Edit Movies
4. Select the title for the Movie you want to edit
5. Select the item your want to edit.
6. Edit the item and save your results.

To Edit Information for Music

1. Select Music from the main menu
2. Select Options.
3. Select Edit Music
4. Select the album that you want to edit by navigating the list by Genre, Artist, or Album.
5. Select the item your want to edit.
6. Edit the item and save your results.

To automatically identify information about all unknown DVDs (text and cover)

1. Select Movies from the main menu
2. Select Options
3. Select Identify Unknown Movies
4. Wait as each unknown DVD is queried against the Gracenote® servers for the correct information about the disc.

To automatically identify information about all unknown CDs (text and cover)

1. Select Music from the main menu
2. Select Options.
3. Select Identify Unknown Music
4. Wait as each unknown CD is queried against the Gracenote® servers for the correct information about the disc.

To automatically lookup information about a DVD (text and cover)

1. Select Movies from the main menu
2. Select Options.
3. Select Edit Movies
4. Select the title for the Movie you want to get information about
5. Select Lookup this Movie...
6. Wait as the DVD is queried against the Gracenote® servers for the information about the DVD.

To automatically lookup information about a CD (text and cover)

1. Select Music from the main menu
2. Select Options.
3. Select Edit Music
4. Select the album that you want to edit by navigating the list by Genre, Artist, or Album
5. Select Lookup...
6. Wait as the CD is queried against the Gracenote® servers for the correct CD cover.

To manually search for information about a Movie (text and cover)

1. Select Movies from the main menu
2. Select Options.
3. Select Edit Movies
4. Select the title for the Movie you want to get information about
5. Select More Options...
6. Select Search for Movie...
7. Edit the name of the title to use for the search (this edit is not saved)
8. Wait as the DVD is queried against the Gracenote® servers for the correct information about the disc.

To manually search for a CD cover

1. Select Music from the main menu
2. Select Options.
3. Select Edit Music
4. Select the album that you want to edit by navigating the list by Genre, Artist, or Album
5. Select Search for Cover...
6. Edit the name of the artist and album to use for the search (this edit is not saved)
7. Wait as the CD is queried against the Gracenote® servers for the correct CD cover.

To manually select an imported DVD cover

1. Select Movies from the main menu
2. Select Options.
3. Select Edit Movies
4. Select the title for the Movie you want to get information about
5. Select More Options...
6. Select Select Local Cover...
7. Select a cover that you previously imported from your PC to the COVERS share on Vision.

To manually select an imported CD cover

1. Select Music from the main menu
2. Select Options.
3. Select Edit Music
4. Select the album that you want to edit by navigating the list by Genre, Artist, or Album
5. Select Select Local Cover...
6. Select a cover that you previously imported from your PC to the COVERS share on Vision.

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) or obtain the proper static IP address information from the person so setup the network.
- 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.

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.

Video Outputs

The following chart describes which video outputs are active for each TV resolution setting:

TV Resolution	Composite	S-Video	Component	HDMI
480i/p*	Yes	Yes	Yes	Yes
480p			Yes	Yes
720p				Yes
1080p				Yes
576p/i** 50Hz	Yes	Yes	Yes	Yes
576p 50Hz			Yes	Yes
720p 50Hz				Yes
1080p 50Hz				Yes

* = all outputs active (HDMI = 480p, Component, S-Video, and Composite = 480i)

** = all outputs active (HDMI = 576p, Component, S-Video, and Composite = 576i)

Factory default = all outputs active

The following macro sequences are available by using the Vision remote control to directly reset parameters of the video output system in the event that you can not see the Vision user interface on your TV:

- Macro + Movies + 0 = Set TV Resolution Defaults
- Macro + Movies + 1 = Set Video to NTSC
- Macro + Movies + 2 = Set Video to PAL

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)

Determining your Vision's IP Address

To view the IP network address of your Vision

1. Select Setup
2. Select Utilities
3. Select System Information
4. The IP address is located on the last line in the format 0.0.0.0

Controlling Vision from Your Computer

The exact same Vision user interface that is displayed on your TV can be accessed from any computer on your local network provided that it is capable of running the Adobe Flash 9 multimedia player available for free from: <http://www.adobe.com/shockwave/download/>.

To control to your Vision from your PC

1. Determine the IP address of your Vision (see above)
2. Open your web browser on your computer and enter the address of your Vision. Example: 192.168.0.100
3. The Vision user interface will be displayed in a few seconds, then you can control every aspect of Vision using your keyboard and mouse.

Connecting to Vision's Network Shares

You can access your Vision's network shares using its IP address or its Server Name from any computer on your local network provided that it is capable of mounting CIFS/SMB shares.

To connect to your Vision's network shares from your PC

1. Select Start->Run and enter the IP address or Server Name of your Vision.
Example: \\192.168.0.100 or \\vision-vs.
2. Vision share for your task:
 - CONTENT - Access Vision's music files (read only)
 - COVERS - Used to import your own DVD and CD cover art for use on the Vision (read/write)
 - IMPORT - Used to import your music, movies, and videos into your Vision (write only)
 - PHOTOS - Used to import your photos onto and delete photos from your Vision (read/write)
 - PLAYLISTS - Access Vision's music playlists for backup purposes (read only)

Sharing Vision's Music with FireBall Media Servers

Vision's music library can be accessed from most FireBall Media Servers on your network using the same technique that allows you to share music between two FireBall media 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 Series, DVDM Series, MP-200 Series, MX Series, AVX Series, ZP Series and FP Series.

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

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	Yes
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 FireBall Music with your Vision Media Server

Vision can access music stored on a FireBall Media 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

Accessing your iPod Music with a Vision Media Server

Vision can access all of the music stored on your iPod (including DRM protected music you purchased from the iTunes Music store) by using the FireBall FP-1 Music Server (with integrated iPod dock) over your network. The iPod music gets merged with your local Vision music library so you can access all of your music together.

To connect to a FireBall FP-1 Music Server with iPod connected Insert your iPod into your FP-1 and make sure your FP-1 is connected to the same network as your Vision Media Server.

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

Escient Early Detection Monitoring System (EDMS)

The VS 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.

The Vision VS series actually contains a pair of identical internal hard drives that are configured in what is called a "RAID 1" configuration. RAID 1 means that data is written to both 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 the other drive. If there is a problem with both drives, all of your data could be lost.

Always follow the on screen instructions if the EDMS detects a potential problem with your Vision Media Server.

Service and Support

Finding your Vision serial number

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

Contacting Escent Technical Support

Escent'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 "2" for Sales, or "3" for Support
- Fax: 317-616-6790
- Internet: <http://www.escent.com>
- Email: <mailto://support@escent.com>

Please have the following information ready for the Escent 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

Video Specifications

Analog Video

- Composite and S-Video (Interlaced)
- Component YPbPr (Interlaced and Progressive)
- Resolution: 480 (NTSC), 575 (PAL)
- NTSC-M (North America, Taiwan),
- NTSC-J (Japan),
- PAL-B, D, G, H, I (Europe, Asia),
- PAL-M (Brazil), PAL-N (Uruguay, Paraguay)
- PAL-Nc (Argentina).Audio Specifications
- Macrovision 7.1.L1 or Macrovision 1.2 AGC with 525p and 625p progressive scan output

Digital Video

- DVI and HDMI 1.2a compliant
- HDMI 1.3 switching
- Scalable output bandwidth: 25-165 megapixels
- HDCP 1.1 compliant
- HDMI HD Audio
- Resolution: from 480p to 1080p

Audio Specifications

- Intel High Definition Audio Specification Rev.1.0 Compliant
- 44.1K/48K/96K/192KHz DAC Independent Sample Rate
- 48K/192KHz Independent Sample Rate
- DAC: 24-bit, 192KHz Samples - 100dB S/N Ratio
- ADC: 24-bit, 192KHz Samples - 95dB S/N Ratio
- 8-Channels of DAC Support 16/20/24-bit PCM Format for 7.1 Audio Solution
- 16/20/24 bit S/PDIF TX Supports 24-bit, 44.1K/48K/96KHz Samples
- 16/20/24 bit S/PDIF RX Supports 24-bit, 44.1K/48K/96KHz Samples

Physical Specifications

- VS Series = 17.375 inches (W) x 4.625 inches (H) x 11.875 inches (D)
- VS Series = 43.8 cm (W) x 12.2 cm (H) x 28.6 cm (D)
- VC Series = 15.313 inches (W) x 2.25 inches (H) x 13.25 inches (D)
- VC Series = 39 cm (W) x 6.8 cm (H) x 34.8 cm (D)

Power Consumption

- VS Series: 60W max
- VC Series: 35W max

3rd Party Certifications

- FCC: US Part 15, Class B
- NTSC Video Output: NTSC RS-170A
- cETL Listing
- Conforms to: UL STD 6500-2000
- Certified to: CAN/CSA STD E60065-00
- CE

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 its 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, 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.

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