



Kaleidescape Alto

Installation Guide

August 2015

This document is for informational purposes only. Kaleidescape makes no representations or warranties express or implied, regarding the accuracy or completeness of the information contained herein and Kaleidescape shall have no obligation to provide updates to this information in the future.

Copyright © 2015 Kaleidescape, Inc. All rights reserved. Kaleidescape and the Kaleidescape logo are trademarks of Kaleidescape, Inc. and are registered in the United States and certain other jurisdictions. Other trademarks and trade names are owned by third parties and may be registered in some jurisdictions.

Kaleidescape Part No. 101-0207-00 Rev 2.

This document revision corresponds to kOS software version 6.2.

Bonjour, FireWire, Mac, iPhone, iPod and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries.

HDMI and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Manufactured under license from Dolby Laboratories. Dolby is a trademark of Dolby Laboratories.

Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS and the Symbol are registered trademarks, & DTS-HD, DTS-HD Advanced Digital Out and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.

Java and all Java based trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries.



Contents

Overview	5
Kaleidescape Alto	5
Supported Configurations	5
What's in the Box	6
Front Panel Buttons.....	6
Front Panel Error Indicators	6
Physical Installation	7
Planning the Installation	7
Ventilation and Clearance	7
Power Requirements.....	7
System Design	7
Installing Alto.....	8
System Configuration	9
First-Time Setup	9
Connecting to your network	9
Wired network connection (recommended)	9
Wireless network connection	11
Activating your Alto.....	11
Configuring Settings	13
General.....	14
Audio	15
Video	18
Wi-Fi Setup	20
Network.....	20
Player Name	21

Link Players.....	21
Link Disc Vaults.....	22
DVD Region.....	25
Language/Subtitles.....	26
Passcode.....	27
Parental Control Level.....	28
Advanced.....	30
Control Systems.....	32
Communication.....	32
Kaleidescape Control Devices.....	32
Kaleidescape Remote.....	32
Kaleidescape Application for iPad.....	33
Kaleidescape Child Remote.....	34
Third Party Control Devices.....	34
IR Remote Control.....	34
Touch Panels.....	35
Notices.....	37
Compliance.....	37
Third-Party Software and Technology Licensing Information.....	38

Section 1

Overview

The Kaleidescape Alto Installation Guide describes how to set up and configure Alto, and add new components to an existing installation.

Kaleidescape Alto

Alto is an all-in-one movie server and movie player that stores and plays up to 100 Blu-ray or 600 DVD-quality movies. It is easy to set up, comes with a comprehensive movie guide for special scene selection and lets you download Blu-ray quality movies online (where available). It provides amazing convenience without compromising quality.

Alto enables you to:

- ▶ Play Blu-ray discs and DVDs without the delay or distraction of previews, menus or advertisements
- ▶ Store up to 100 Blu-ray or 600 DVD-quality movies for instant access and playback
- ▶ Use the comprehensive Kaleidescape Movie Guide to easily navigate your collection and directly access memorable scenes
- ▶ Download many movies from the Kaleidescape Store with precisely the same audio and video fidelity as Blu-ray discs
- ▶ Upgrade your DVDs to Blu-ray quality downloads at the great price of \$5.99 per movie (subject to studio terms and conditions)

Alto supports easy integration into audio, video, and whole-house control systems.

Supported Configurations

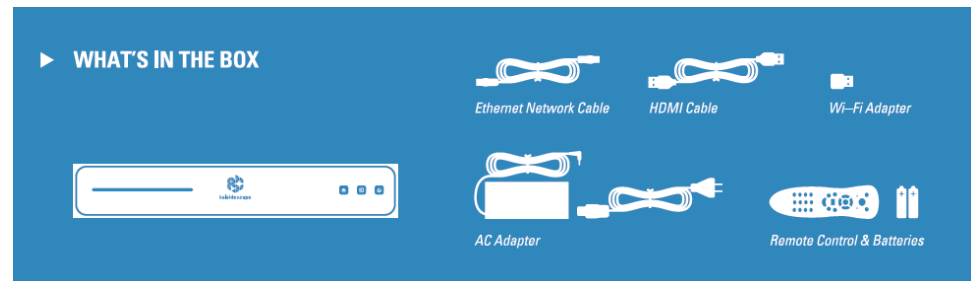
A single Alto can be connected to the Internet with the included wireless USB adapter. When two or more Alto players are connected together, a wired network connection is required. Up to four Alto players can be connected together to enjoy a shared library of content on each player. When a system consists of two, three or four Alto players, up to four DVD quality movies or two Blu-ray quality movies can be streamed on the network at the same time.

Up to two M700 or DV700 Disc Vaults can be added to a Kaleidescape Alto system. Each disc vault must be connected to your home network using a wired network connection. When the M700 Disc Vault is linked to a Kaleidescape Alto system, the integrated player is disabled.

What's in the Box

The following accessories are packaged with Alto:

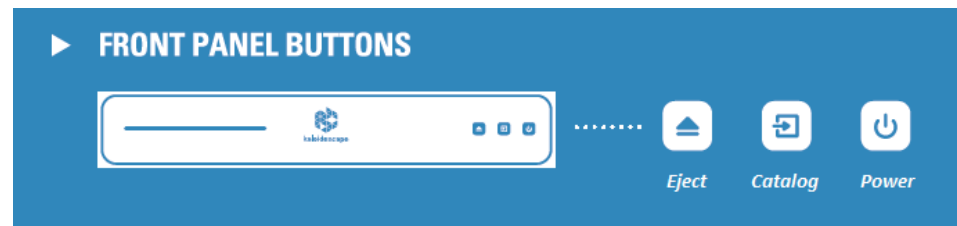
- ▶ 1x Ethernet Network Cable
- ▶ 1x HDMI Cable
- ▶ 1x Wi-Fi Adapter (for use in single Alto installation only)
- ▶ 1x AC Adapter
- ▶ 1x Remote Control
- ▶ 2x Batteries



Front Panel Buttons

There are three buttons located on the front panel of Alto:

- ▶ Eject – ejects a disc from the slot
- ▶ Catalog – catalogs a Blu-ray disc or DVD
- ▶ Power/Standby – turns on or off Alto or places Alto in standby



Front Panel Error Indicators

There are four error indicators located on the front panel of Alto. These error indicators light up only in the event of a problem:

- ▶ Temperature – indicates Alto operating temperature is too hot or too cold
- ▶ Hard disk – indicates the hard disk drive inside Alto has a failure
- ▶ Network – indicates that Alto encountered a network error
- ▶ General – when lit up alone, this indicates there was a failure cataloging a disc.



Section 2

Physical Installation

Planning the Installation

Ventilation and Clearance

Use the following guidelines when installing system components to ensure proper clearance and ventilation. These guidelines apply to all installations including rack mounting.

1. Mount components in a location with adequate ventilation.
2. Check for proper grounding if installing components in a rack.
3. Maintain a 2 in. (5 cm) clearance in back and a 1 in. (2.5 cm) clearance in front and on the sides.
4. Verify that there is sufficient space for a disc to be ejected from the disc slot.

Power Requirements

Kaleidescape component power supplies are universal input and operate on any nominal line voltage between 100–240 V, and frequency between 50–60 Hz. Verify that power outlets are grounded, preferably shielded from power surges and brownouts.

Kaleidescape recommends a grounded outlet with a high-quality surge protector for the power source for players and servers. A UPS is optional.

System Design

Before beginning the installation, determine the type of the display and audio systems that will connect to Kaleidescape components.

Kaleidescape Systems support combinations of the following outputs:

Video

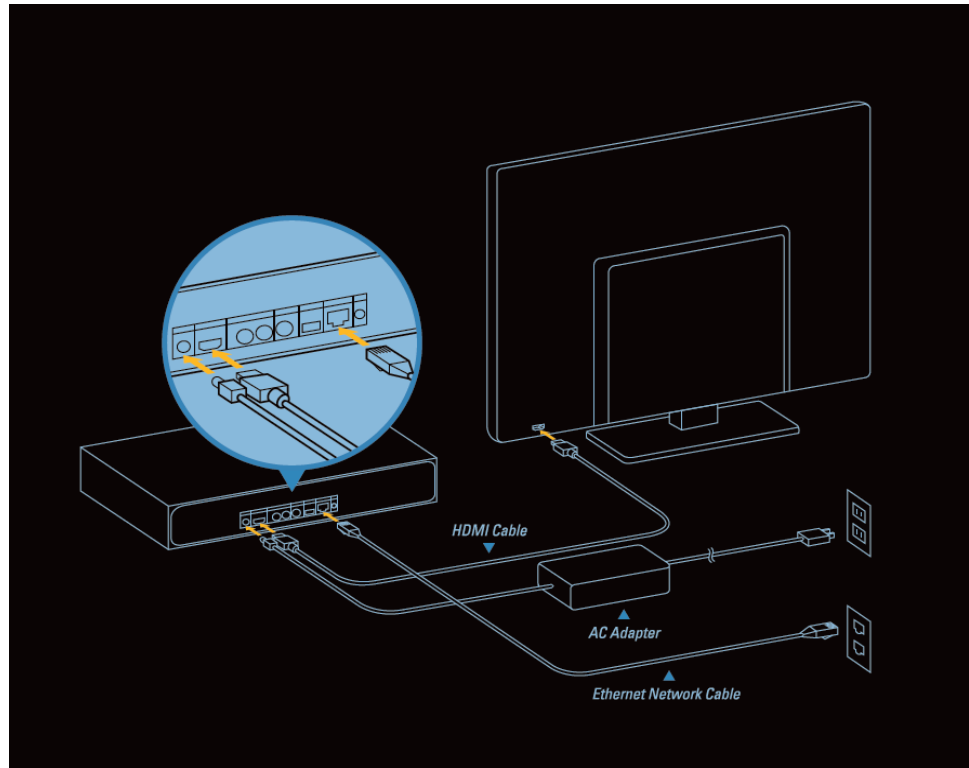
- ▶ High-Definition Multimedia Interface (HDMI)

Audio

- ▶ HDMI (Digital stereo or multi-channel)
- ▶ Coaxial (Digital stereo or multi-channel)
- ▶ Analog (Stereo)

A Gigabit network is recommended, and required if there is more than one Alto player linked and Blu-ray quality movies are played in more than one room at the same time. When two, three or four Alto players are linked together, up to four DVD quality movies or two Blu-ray quality movies can be streamed on a Gigabit network at the same time.

Installing Alto



Connect network, audio and video cables. Then connect the AC adapter.

A wired network connection is recommended. Use the included Wi-Fi adapter (not shown above) if a wired connection is not possible. For performance considerations, only a single Alto can be connected using Wi-Fi. If you have more than one Alto player linked, they must be connected to your network using a wired network connection. A wired connection is also required if an integrated disc vault, such as the DV700 or M700 disc Vault, is linked.

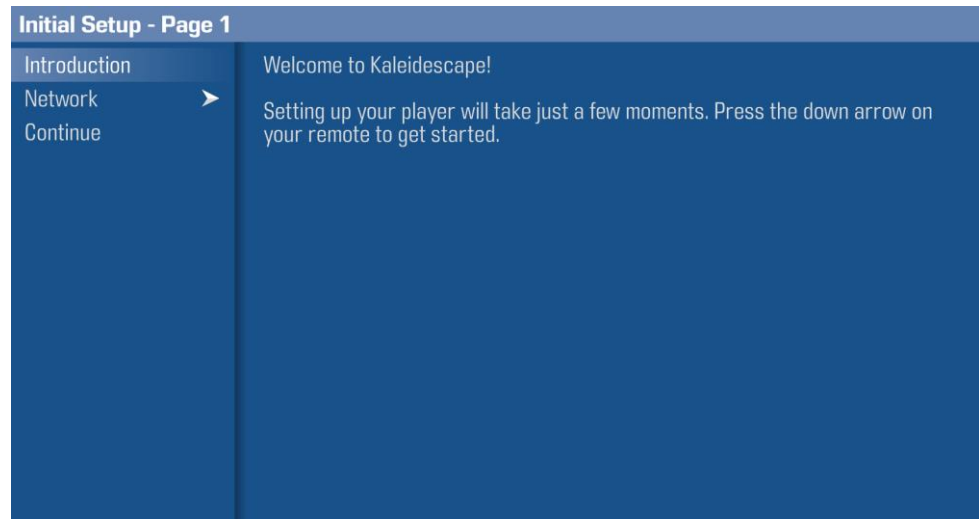
Make sure your television is set to the correct HDMI input and that you are seeing the setup menu. Please note that starting up your Alto may take a few minutes.

Section 3

System Configuration

First-Time Setup

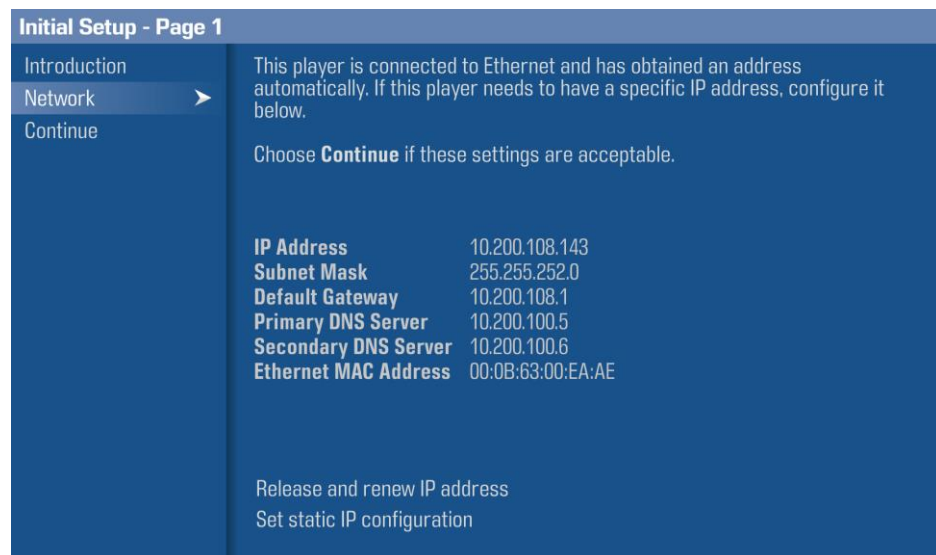
After installing your Alto, you will be prompted to set it up using the onscreen display. Connecting to your network (via a wired or wireless network connection) and activating your Alto is required.



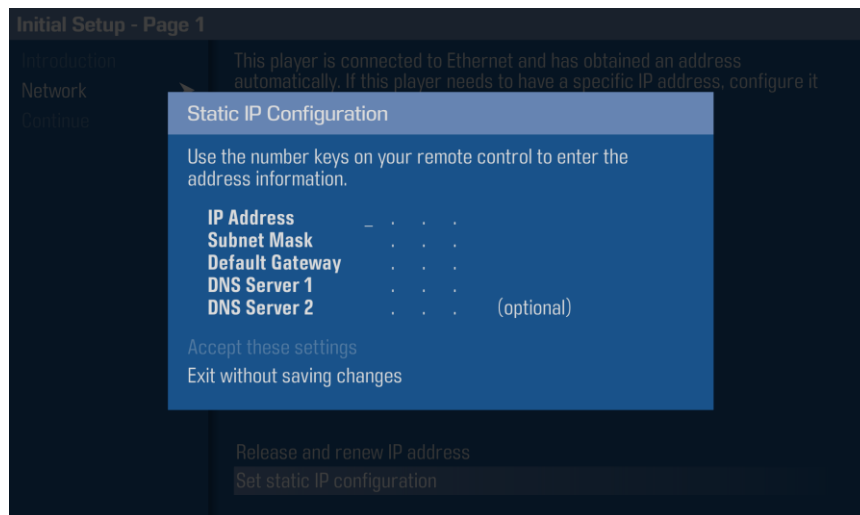
Connecting to your network

Wired network connection (recommended)

Select **Network** from the onscreen menu. In most cases, Alto will automatically obtain an IP address from a DHCP server.

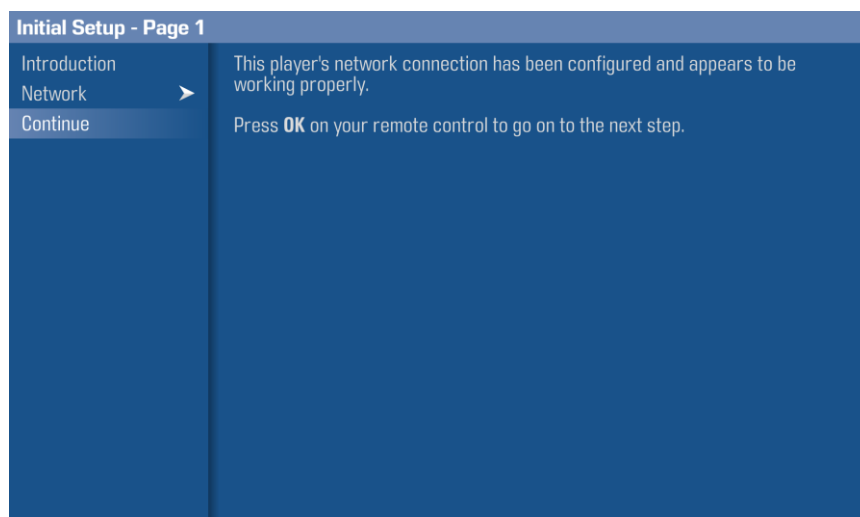


If you wish to set a static IP address, select **Set static IP configuration** and enter your network information.



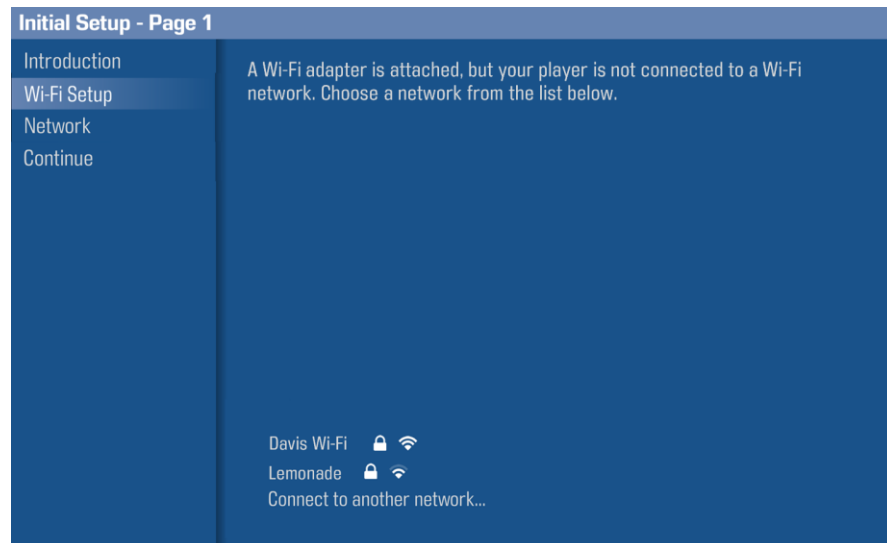
Select **Accept these settings** to save the information entered.

After a valid network connection is set up, select **Continue** to proceed to activating your Alto.



Wireless network connection

Insert the included Wi-Fi adapter and select **Wi-Fi Setup** from the onscreen menu. A list of available wireless networks will be displayed. Select the one you would like to connect to, and enter the username (if applicable) and password. If your Wi-Fi network is not displayed, select **Connect to another network** to enter its information.

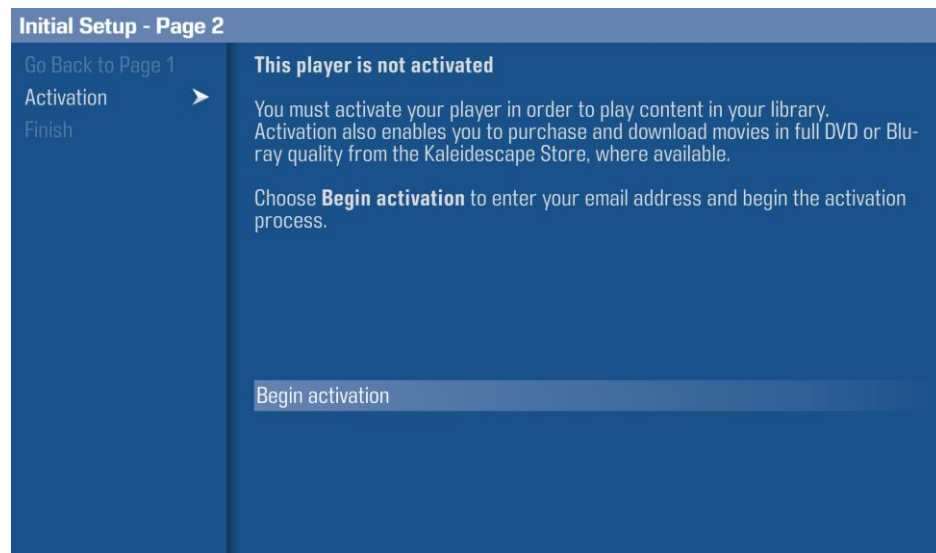


After a valid network connection is established, a checkmark will appear next to the name of the connected Wi-Fi network. Select **Continue** to proceed to activating your Alto.

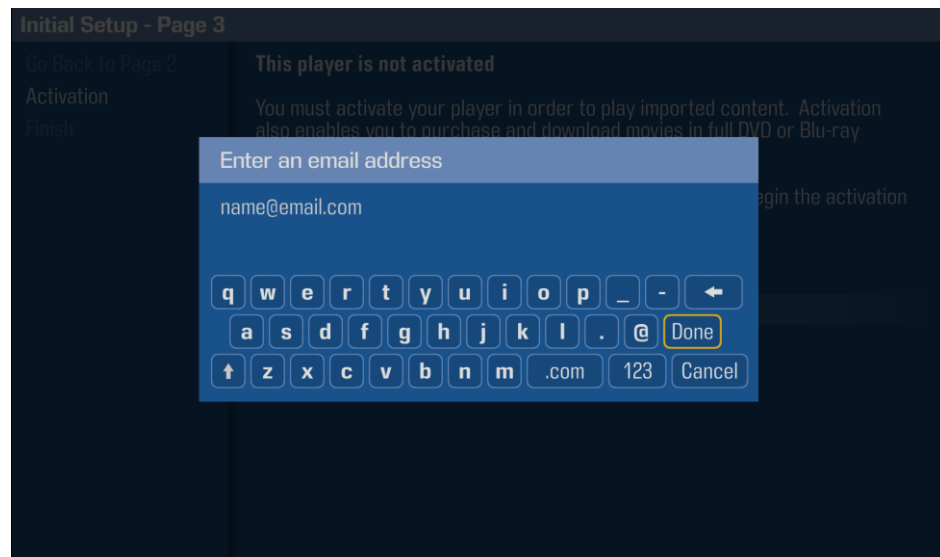
Activating your Alto

Note: For testing and calibration purposes, activation can be skipped by selecting **Finish** despite this option appearing unavailable.

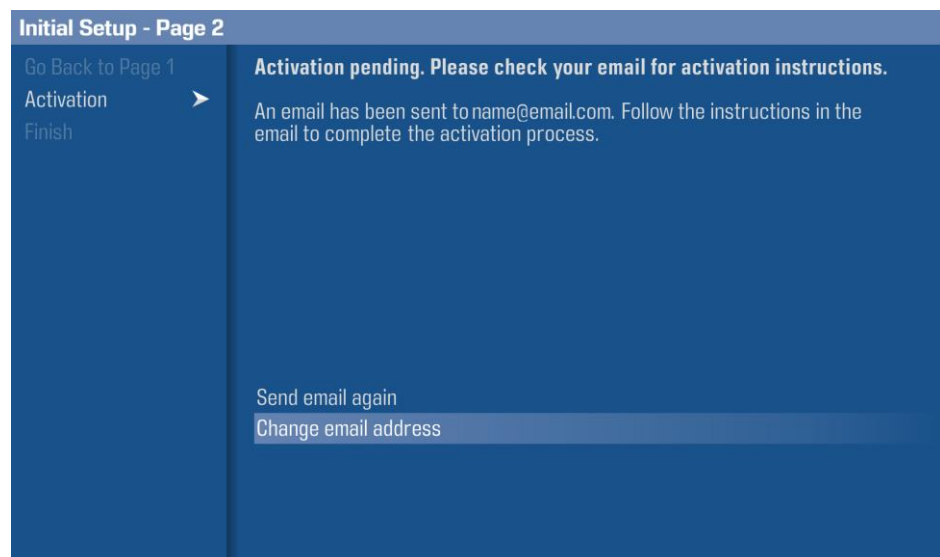
Alto must be activated in order to use all its features. To activate your Alto, select **Begin Activation** from the **Activation** page on the onscreen menu.



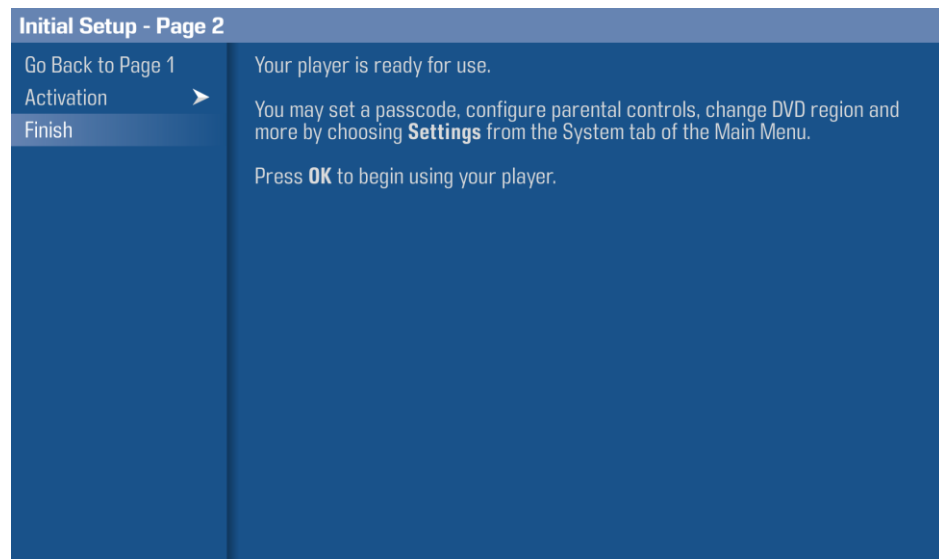
Enter the email address of the system owner using the onscreen keyboard, and then select **Done** on the keyboard. Check your email for registration instructions.



If the email is not received within several minutes, check the spam or junk folder. If the email still cannot be located, select **Send email again** to resend the email, or **Change email address** to send the email to a different email address.

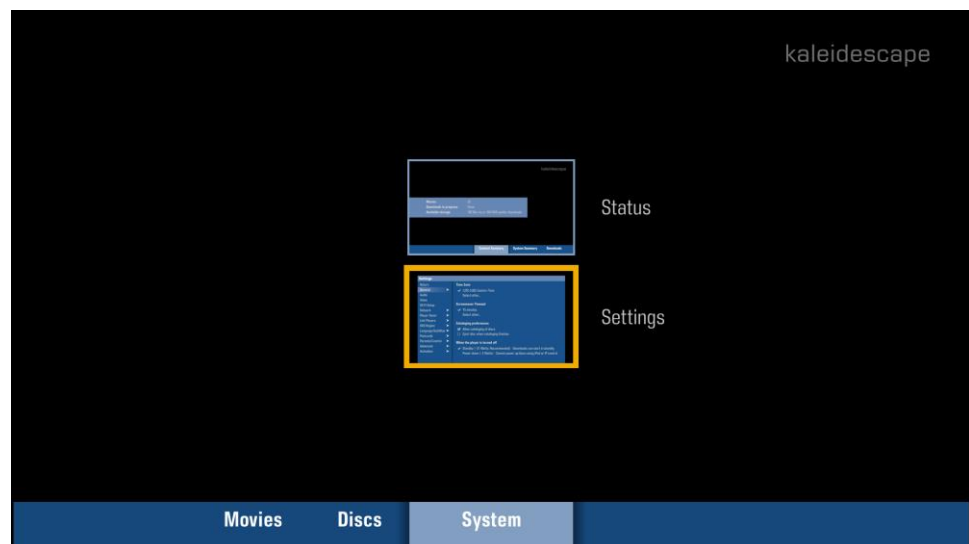


Once the email address has been submitted, the **Finish** option in the onscreen menu will be available. Select **Finish** to exit the initial setup menu and start using your Alto.



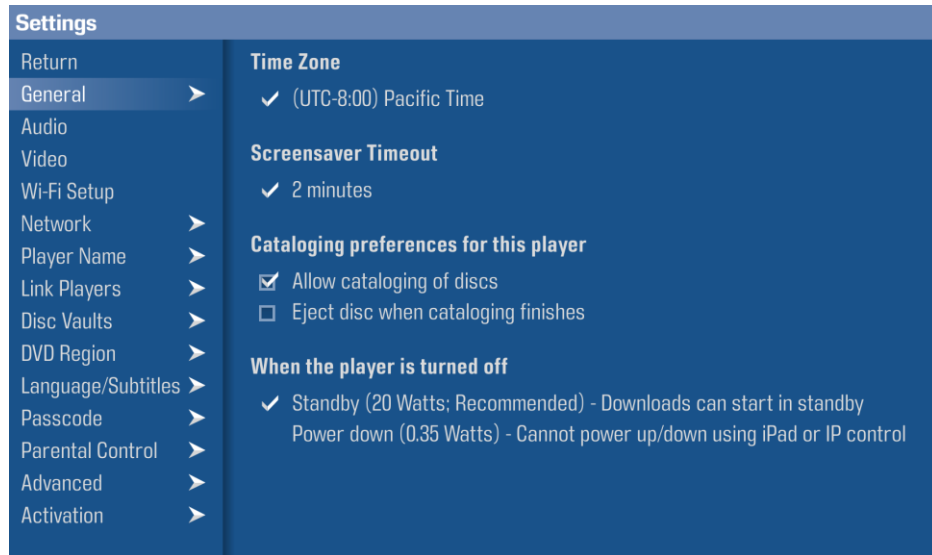
Configuring Settings

Additional settings can be configured using the onscreen *Settings* menu. To access this menu, press the **MENU** button on your Kaleidescape remote, scroll to the **System** tab, and select **Settings**.



General

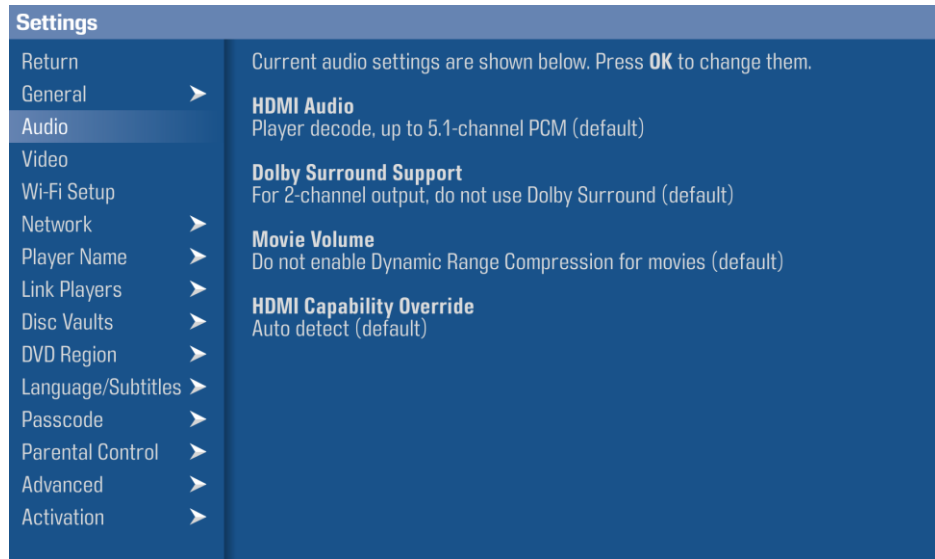
General player settings can be configured from the **General** page of the onscreen Settings menu.



- ▶ Time Zone – choose **Select other** to set your local time zone
- ▶ Screensaver Timeout – choose **Select other** to change your preference for how long the onscreen display can be idle before displaying a screensaver
- ▶ Cataloging Preferences
 - Allow cataloging of discs - select whether you want to allow discs to be cataloged on this player
 - Eject disc when cataloging finishes – select whether you want the disc to be automatically ejected when cataloging finishes
- ▶ When the player is turned off
 - Standby – select this option to allow downloads from the Kaleidescape Store to continue when the player is in powered off. This power mode consumes approximately 20 Watts of power.
 - Power down – select this option to completely power down the player. This power mode consumes approximately 0.35 Watts of power. In power down mode, no power up or down commands can be received using the iPad app or IP control. It can be powered on through the front power/standby button or with an IR remote.

Audio

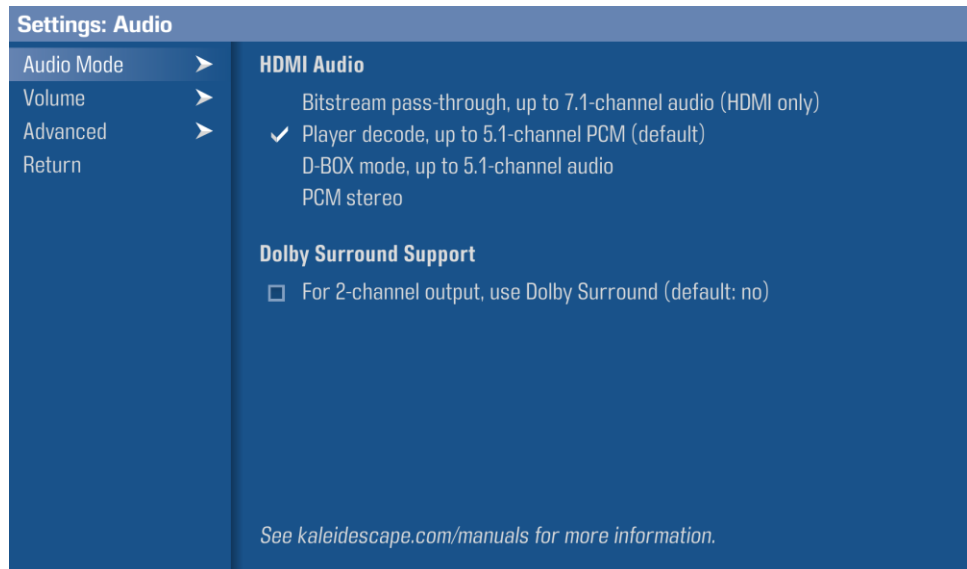
Audio settings for your player can be configured from the **Audio** page of the onscreen Settings menu. A summary of all the audio settings is displayed on the Audio page. Select **Audio** to change audio settings.



Alto can be used to watch DVD and Blu-ray movies with nearly any audio receiver, processor, or display.

Audio Mode

The audio decode mode affects all other audio settings. The decode mode determines if the player or the receiver decodes the audio. Audio can be sent as multichannel PCM over HDMI by default, with all outputs enabled, or it can be passed through to HDMI with other outputs disabled.



HDMI Audio

Bitstream pass-through

Select bitstream pass-through to send 7.1-channel Blu-ray soundtracks over HDMI at the highest bandwidth possible (up to 192 kHz or 7.1 channels).

The lossless audio formats available on Blu-ray discs, such as Dolby Atmos, Dolby TrueHD, DTS-HD Master Audio and 7.1-channel PCM, exceed the capabilities of analog and coaxial audio outputs. These formats are only available over HDMI, and only when bitstream pass-through is enabled. This setting turns off the analog and coaxial outputs, and picture-in-picture audio cannot be heard. To hear lossless audio tracks (for example, Dolby TrueHD or DTS-HD Master Audio) from Blu-ray discs without alteration, the A/V receiver or audio processor must be able to decode these formats.

Player Decode Mode

Select **Player Decode** to hear Blu-ray secondary audio or when coaxial or analog audio outputs are used. This setting sends 48 kHz PCM output over HDMI, up to 5.1 channels depending on content and cabling.

In this mode, the coaxial output passes through the audio bitstream for DVDs, but re-encodes multichannel audio to DTS Digital Surround for Blu-ray discs.

Secondary audio with picture-in-picture

Blu-ray discs support a secondary audio track typically used for interactive audio and commentary. This track is mixed with the main audio so both tracks can be heard at the same time. M-Class players play secondary audio with picture-in-picture when in player decode mode. (To hear unaltered primary audio, bitstream pass-through must be enabled.)

Downmixing

The stereo audio output sends downmixed stereo when playing Blu-ray discs or DVDs when player decode is selected.

Dolby Surround Support

Select this option if the output is connected to a sound bar or receiver capable of Dolby Surround / Pro Logic / Pro Logic II decoding.

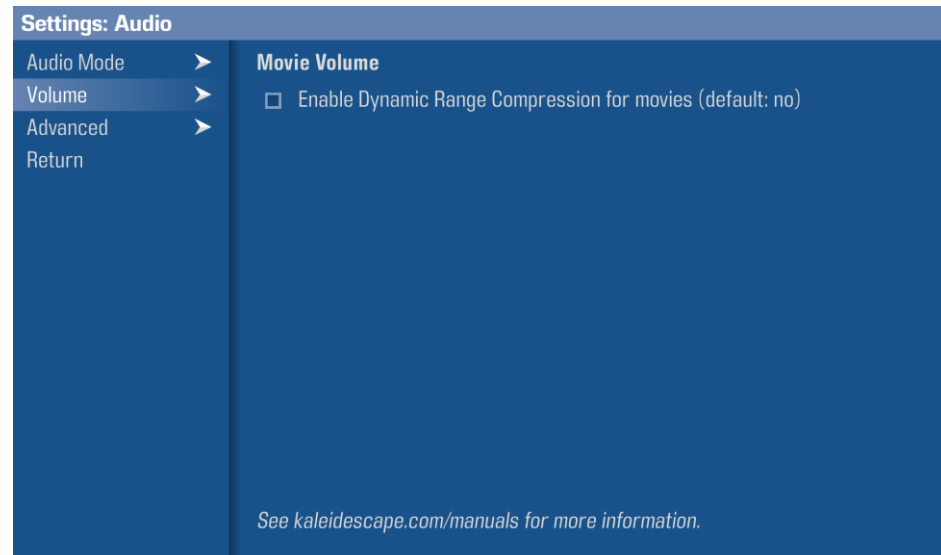
D-BOX mode

Select this option if you have D-BOX equipped seating. Selecting this option will send D-BOX compatible audio up to 5.1 channels over HDMI and coax.

PCM stereo

Select this option to downmix all audio to stereo, as when connecting to two-channel devices like TVs for Blu-ray and DVD movies. Commonly used in video distribution situations where one or more device only supports stereo.

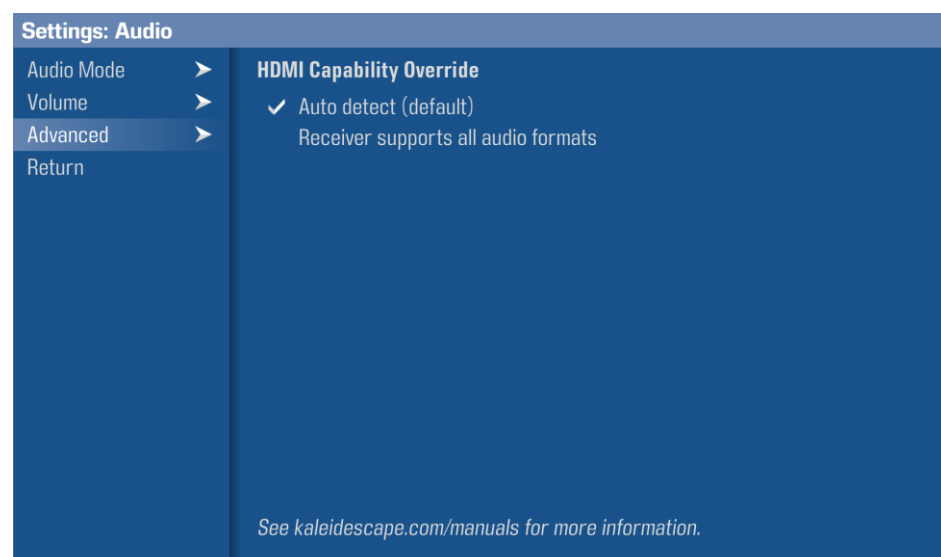
Volume



Movie Volume

Select **Enable Dynamic Range Compression** for movies if you want the player to allow information from the audio track to compress the dynamic range, thus reducing the volume of loud sounds or amplifying quiet sounds.

Advanced



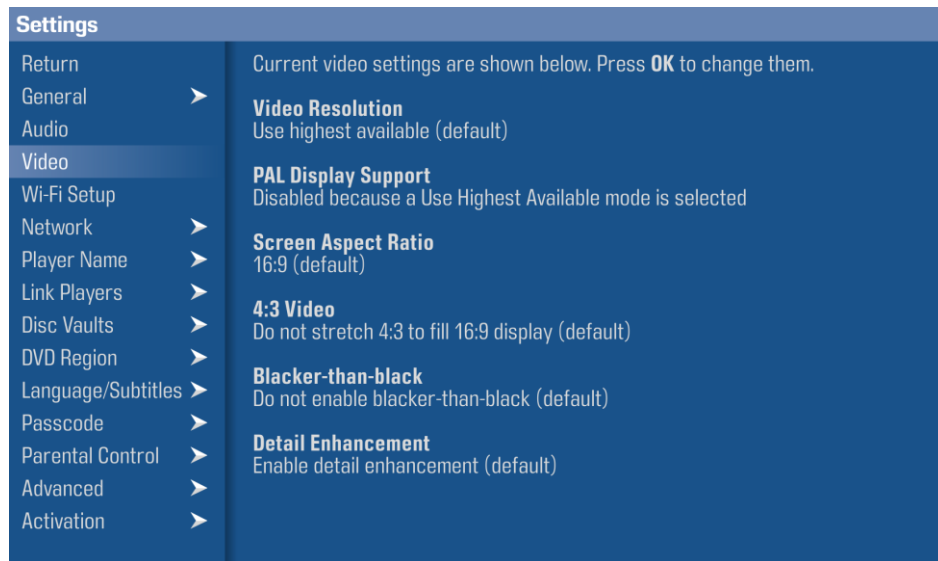
HDMI Capability Override

Audio receivers connected via HDMI automatically provide EDID information used to determine the audio formats sent by the player to the receiver. Selecting **Auto detect** will automatically detect the receivers capabilities and should provide the best results. In rare cases, these capabilities must be overridden because of an EDID that is inaccurate or has been corrupted by an HDMI extender or switcher.

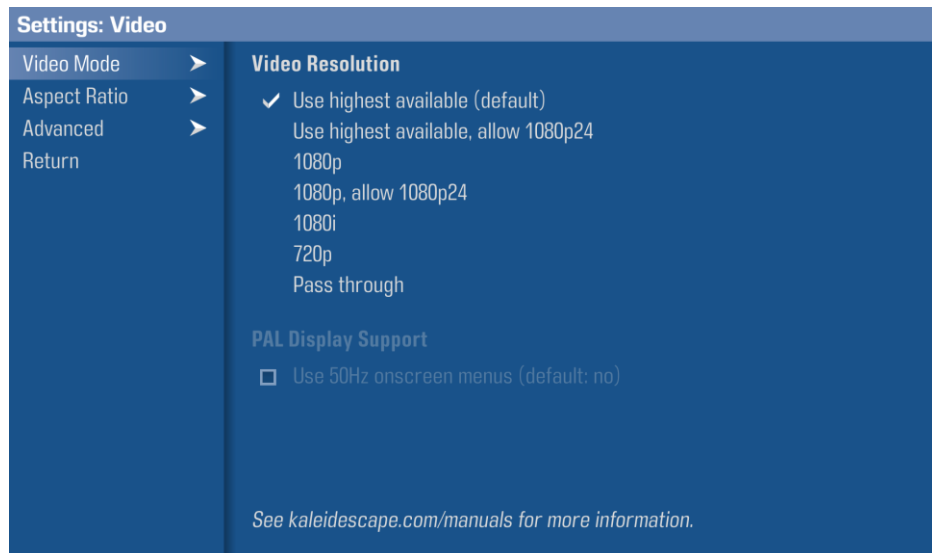
Select **Receiver supports all audio formats** if you are sure your receiver supports all audio formats.

Video

Video settings for your player can be configured from the **Video** page of the onscreen Settings menu. A summary of all the video setting is displayed on the Video page. Select **Video** to change video settings.



Video Mode

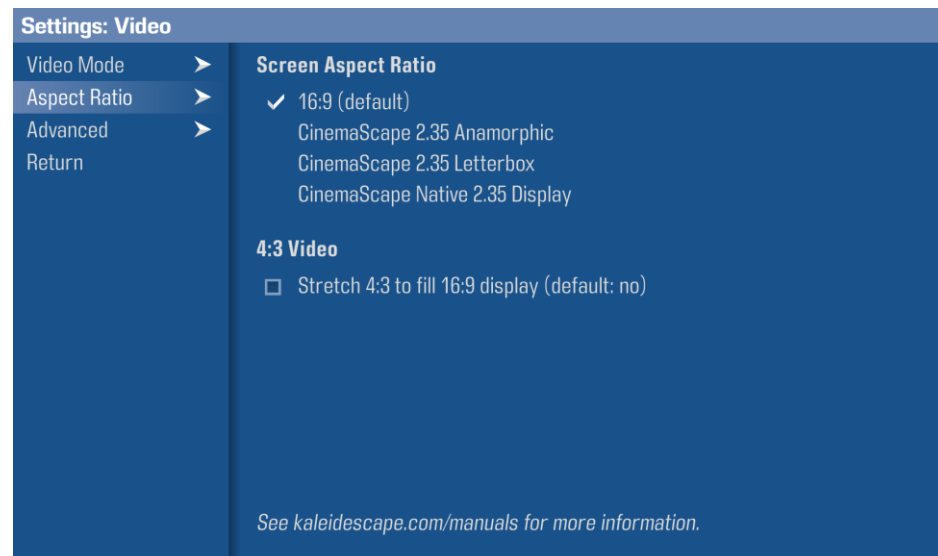


Video Resolution

Select the preferred video resolution based on the capabilities of the display.

Displays connected via HDMI automatically provide a list of supported resolutions including the preferred resolution. Alto outputs this preferred resolution when set to **Use highest available** or **Use highest available, allow 1080p24**. If you want the player to ignore the information communicated by the display, select one of the other choices. When using one of these choices and the player is connected to a PAL display, select **Use 50Hz onscreen menus** to reduce the number of resolution changes.

Aspect Ratio



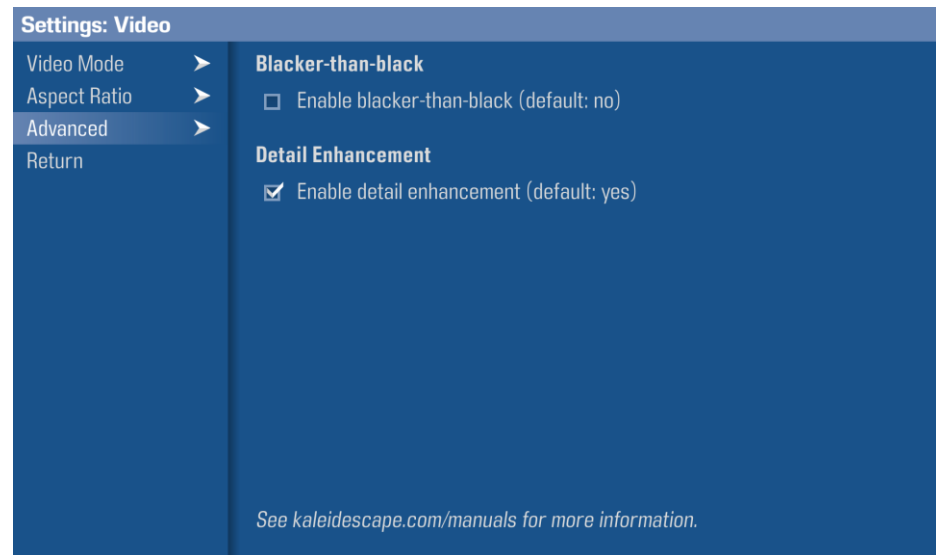
Screen Aspect Ratio

Select the aspect ratio for your video display. CinemaScope is an aspect ratio designed for 2:35:1 projectors and displays. Select the mode that best suits the zoom mode or anamorphic lens configuration of your 2:35:1 equipment. More information: [CinemaScope](https://www.kaleidescape.com/manuals)

4:3 Video

Configure how full screen 4:3 movies will appear on a 16:9 display. Stretching causes the image to fill the display screen but will distort 4:3 images.

Advanced



Blacker-than-black

This player can output the full luma range. This setting is intended only for use during calibration, as it will cause additional video mode changes and cause some disc menu and subtitle features to display incorrectly. After calibration, disable blacker-than-black.

Detail Enhancement

Configure detail enhancement for HDMI Video to influence how sharp the edges of scaled video appear.

Wi-Fi Setup

See pages 10 – 11.

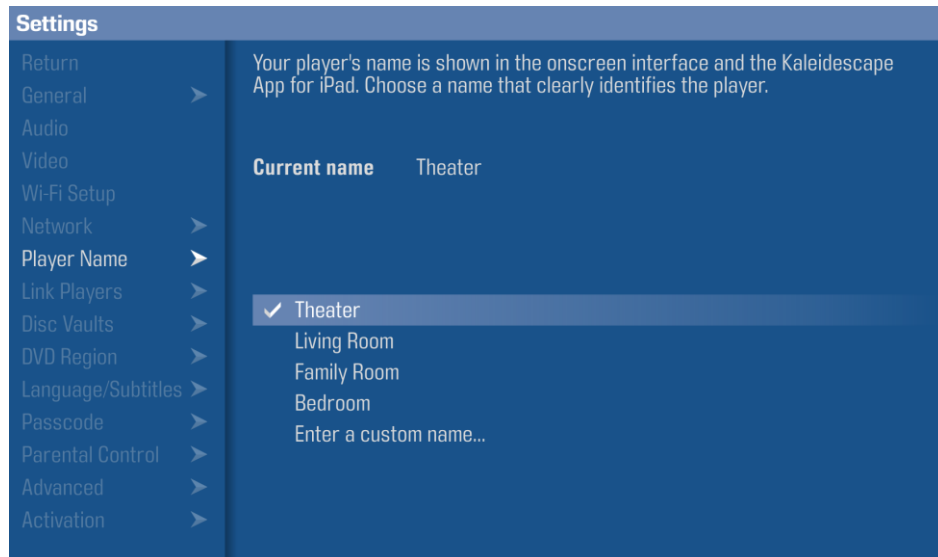
Network

See pages 9 – 10.

Player Name

The default name for your player is Alto. This name is displayed in the Kaleidescape App for iPad, and can be changed to help distinguish between players in different rooms of the house. For example, if you have two Alto players in your house, you can name one Living Room and one Master Bedroom.

Some suggestions for names are available in the **Player Name** page of the onscreen display, or you can select **Enter a custom name** to give your player a unique name.



Link Players

If additional Alto players are being added, they can be linked using the **Link Players** page. This page will only appear if there is more than one Alto detected on the same network. **Players must have a wired network connection to be linked.** Any wirelessly connected Alto players that are not activated will appear in the list, but will not be available for linking.

To link an additional Alto player, ensure the original Alto system is wired to your home network and that it is activated. Then, connect and turn on the additional Alto. Connect it to your home network using a wired network connection. A Link Players option will be displayed onscreen.

A list of other Alto players detected on your network will be displayed. Select the one you wish to link to. A checkmark will appear next to the player you are linked to.

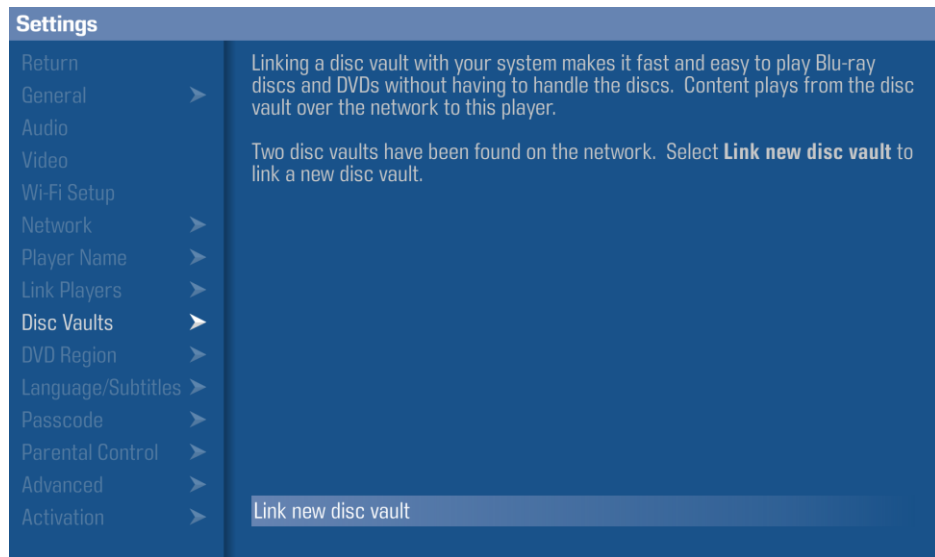
If you do not wish to link to any players, select **Do not link**. Then select Continue to proceed.

Link Disc Vaults

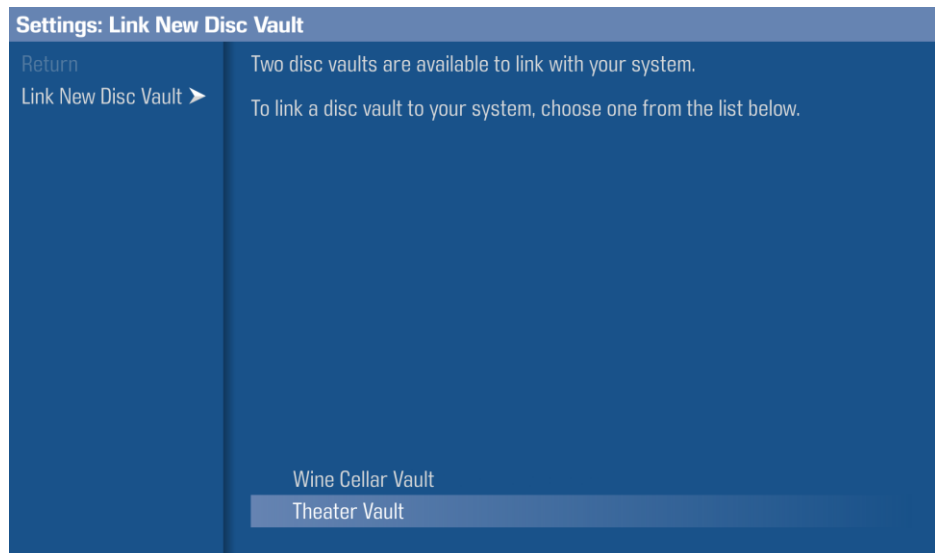
Linking a disc vault with your player makes it fast and easy to catalog and play Blu-ray discs and DVDs without having to handle the discs. Content plays from the disc vault over the network to the player.

Up to two integrated disc vaults, such as the DV700 or M700 Disc Vault, can be linked to a Kaleidescape Alto system. The process below describes how to link a disc vault in the onscreen user interface, but this can also be accomplished on the browser interface. Visit the [Kaleidescape Disc Vaults Installation and Operation Guide](#) for more details.

Select **Disc Vaults**. To start linking a vault to your system, select **Link new disc vault**.

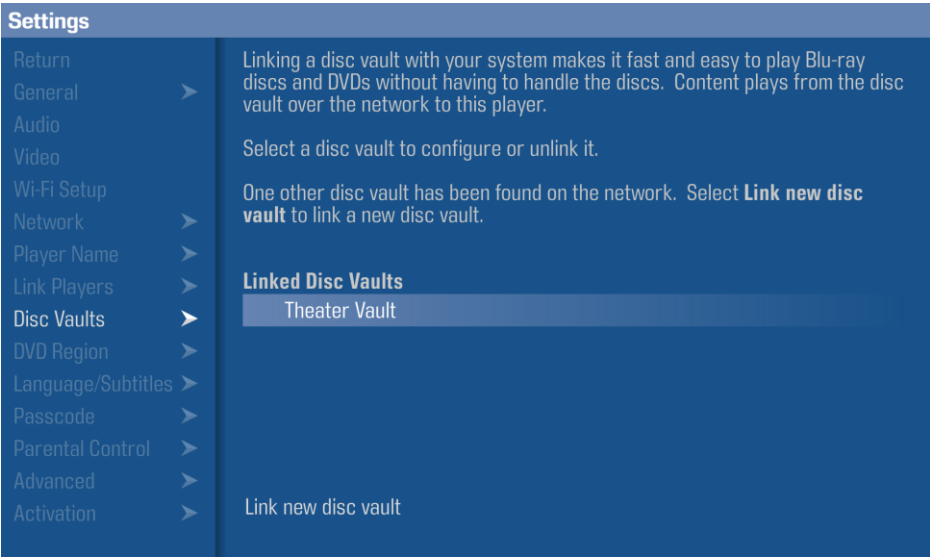


The *Settings: Link New Disc Vault* page appears.



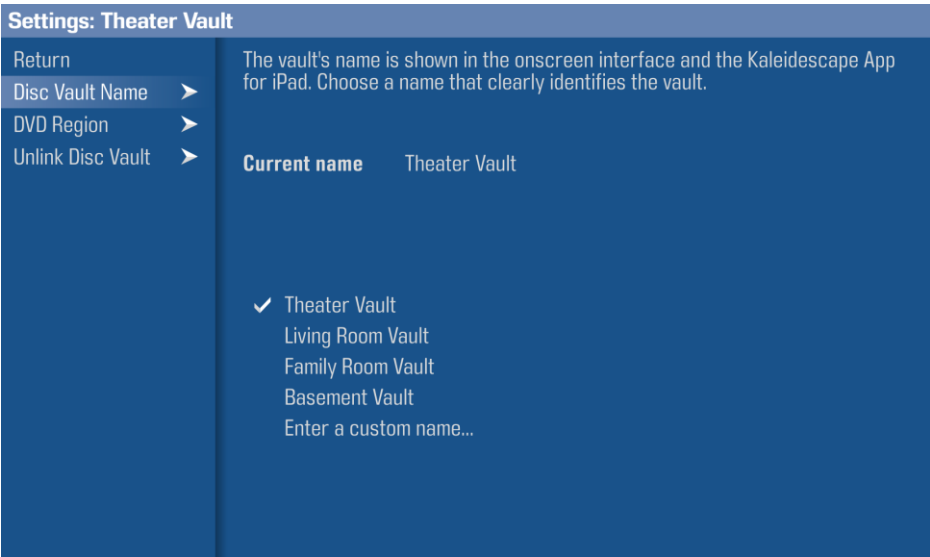
Select the vault you wish to link and confirm.

When successfully linked to the Kaleidescape Alto system, the disc vault appears on the *Disc Vaults* page of the onscreen *Settings* menu. Select the linked disc vault to access settings specific to this vault.



Disc Vault Name

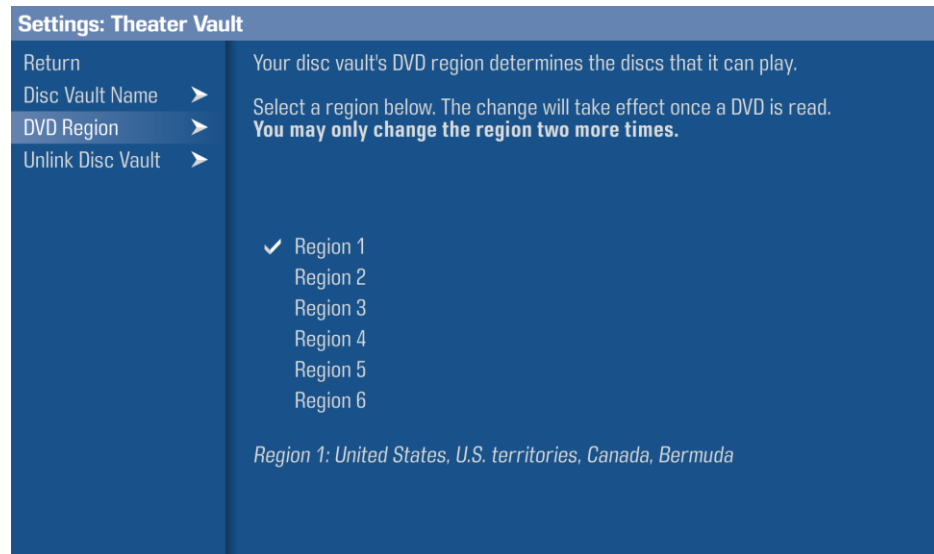
The disc vault name appears on the front display of the vault, on the browser interface and throughout the onscreen display. Providing a descriptive name helps when identifying the location of a disc. For example, one vault can be named Upstairs Vault and the other can be named Basement Vault; both describing locations in your home making it easier to retrieve an ejected disc.



Choose one of the suggested names, or select **Enter a custom name** to give your vault a unique name.

Setting the DVD Region of the Disc Vault

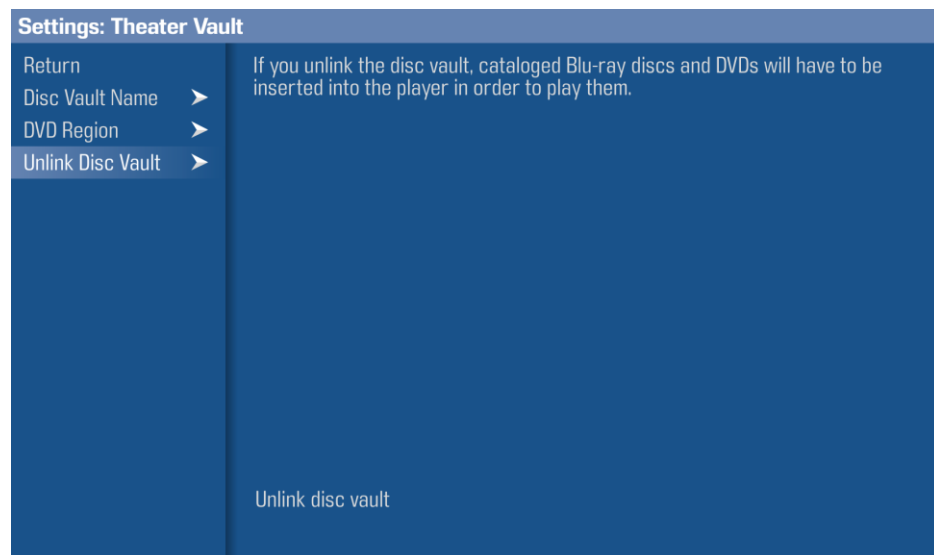
Most DVDs are authored for a specific region. Your vault's DVD region determines whether the vault can catalog and play a DVD. The current DVD region of the vault is displayed with a checkmark next to it in the **DVD Region** page for the disc vault.



To change the DVD region of a vault, select the region you want to set. The region setting will be applied when a disc of that region is inserted into the vault.

The DVD region of a vault can be changed up to four times.

Unlink Disc Vault

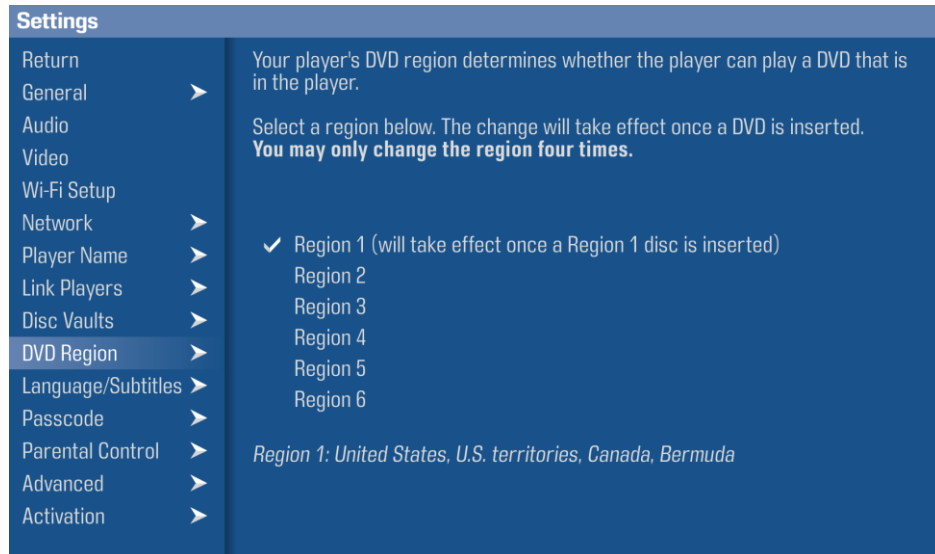


When you wish to unlink a disc vault, select **Unlink disc vault** and confirm. If you unlink a disc vault, cataloged Blu-ray discs and DVD will have to be inserted into the player in order to play them.

DVD Region

Most DVDs are authored for a specific region. The DVD region setting determines whether the player can catalog or play a DVD. To play a cataloged movie, the DVD must be present in the slot of the local player.

The current DVD region of the player is displayed with a checkmark next to it in the **DVD Region** page of the onscreen **Settings** menu.



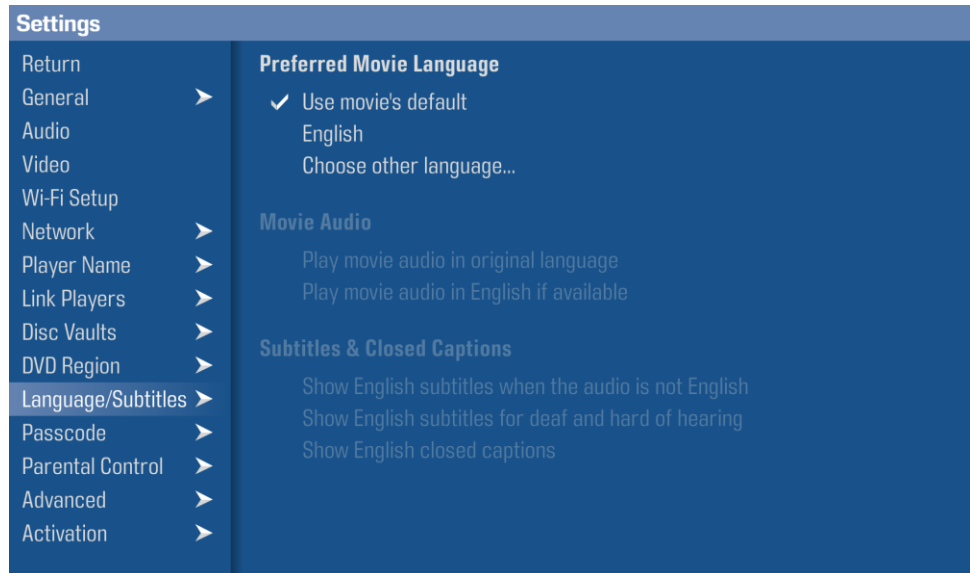
To change the DVD region of a player, select the region you want to set. The region setting will be applied when a disc of that region is inserted into the player.

The DVD region of a player can be changed up to four times.

Different players linked together can be set to different DVD region codes.

Language/Subtitles

A preferred language for movie playback can be configured for each player using the **Language/Subtitles** page of the onscreen **Settings** menu. If a DVD or Blu-ray disc has an audio or subtitle file for the language you select, the player will automatically play the movie or display subtitles in your preferred language, based on the settings selected.



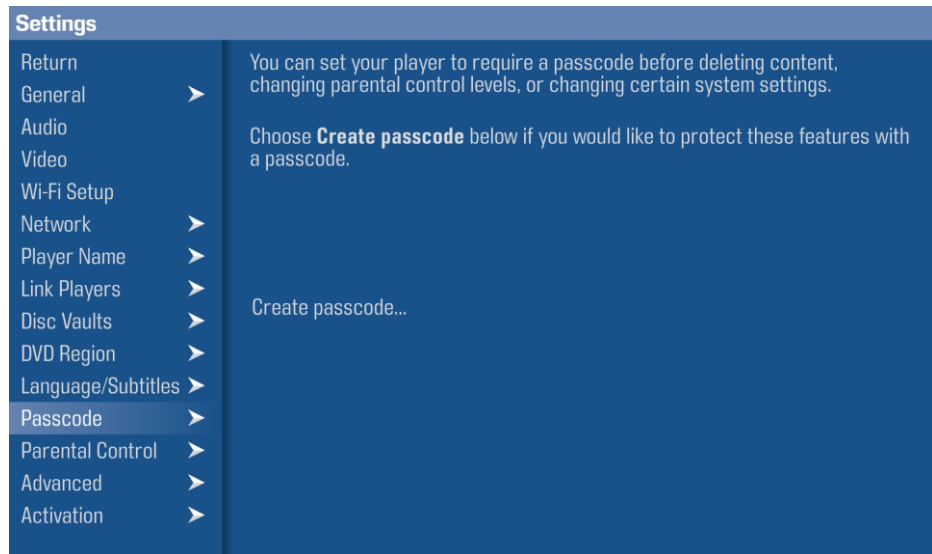
Preferred Movie Language – choose your preferred audio language for movies. Select **Choose language** and then enter the first three characters of your preferred language. If an audio track or subtitle file is available in that language, the movie will either play audio or display subtitles in that language, depending on your selected preference in the Audio Dubbing section. Leaving the settings as **None** will play the default audio track of the disc.

Movie Audio

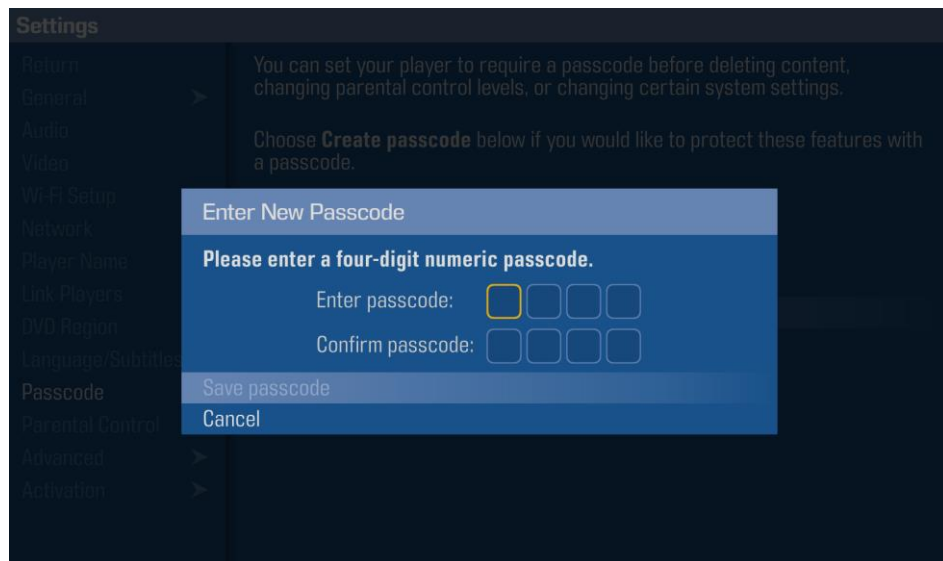
Once you select a preferred movie language, you can select whether you would prefer to hear the movie audio in its original language and show subtitles in your preferred language, or whether you would prefer to hear the movie audio dubbed in your preferred language.

Passcode

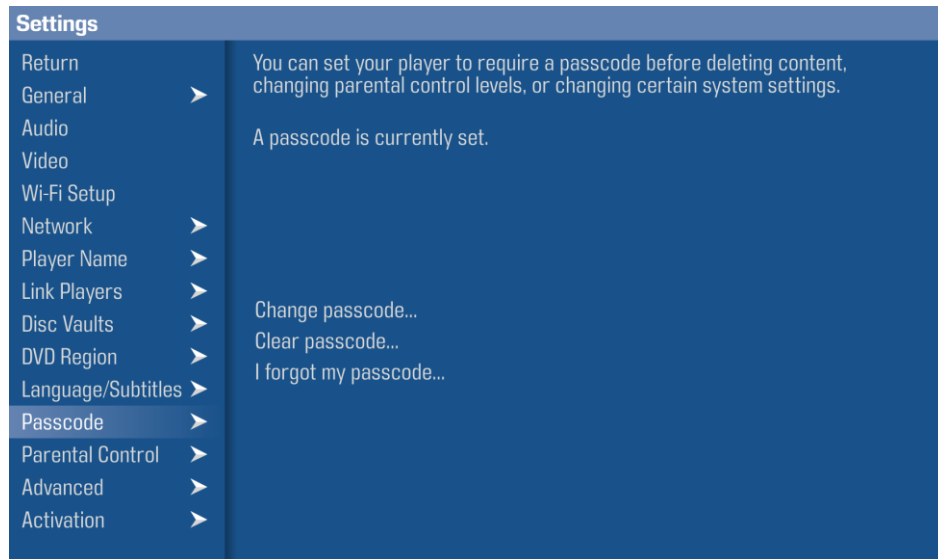
A passcode can be set to protect certain operations on your player. If a passcode is set, it will be required when deleting content from your player, unregistering your player, adding or removing components to your player, or to display movies of a rating higher than the currently permitted rating.



Select **Create passcode** from the **Passcode** page of the onscreen Settings menu. Then enter a four digit numeric passcode.



If you know your current passcode and want to change it, select **Change passcode** . If you know your current passcode and no longer want to have a passcode, select **Clear passcode** to remove the passcode from your player.

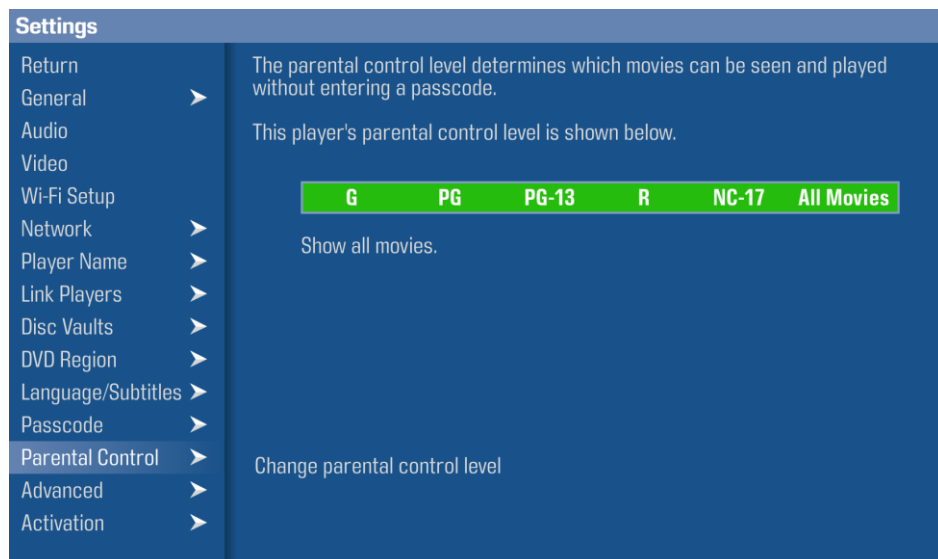


If you do not know your current passcode, select **I forgot my passcode** and follow the onscreen instructions. A temporary passcode will be provided via email.

If you have more than one Alto player, they will share the same passcode.

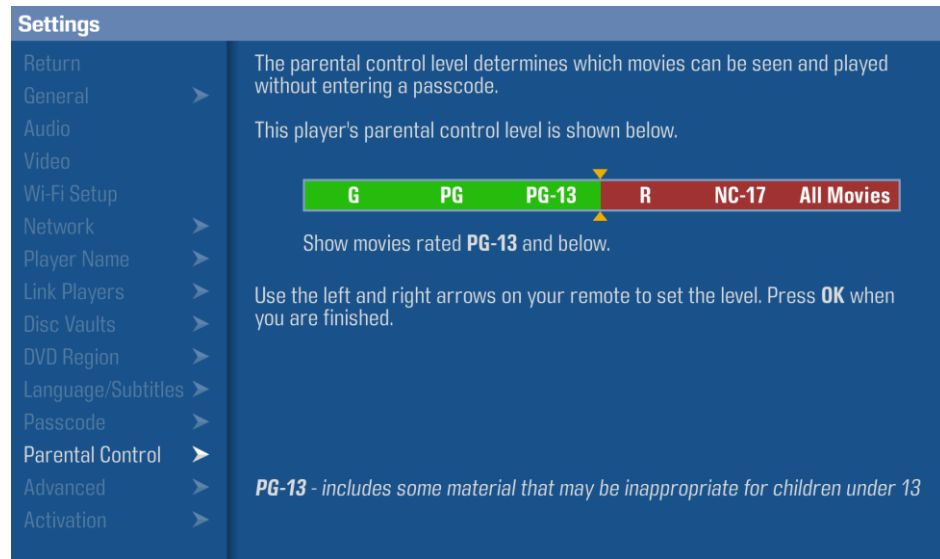
Parental Control Level

The default parental control level of your player is set to display All Movies. This can be changed to a level more restrictive. The parental control level determines which movies can be seen and played without entering your passcode.



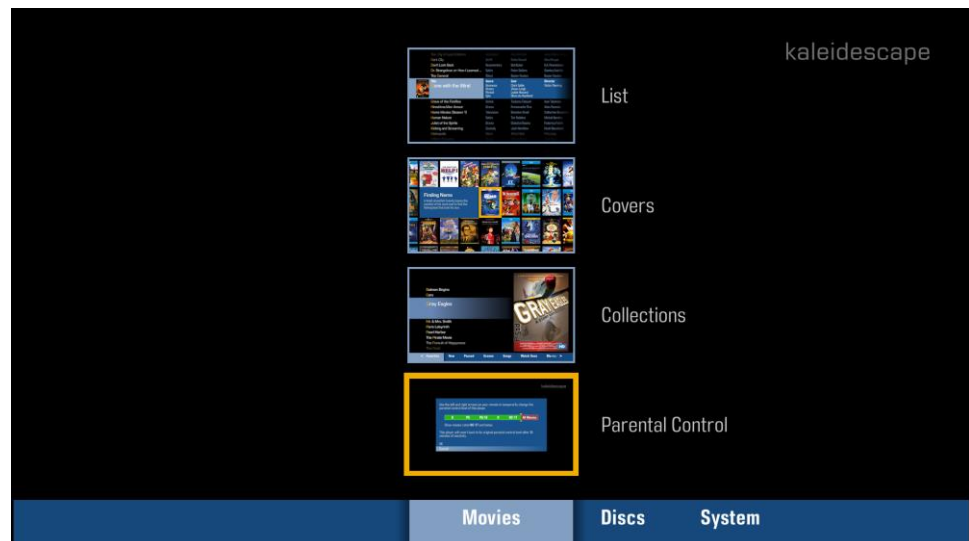
Select **Change parental control level** to change the default parental control level of your player. Use the left and right navigation arrows on your remote to set the new default parental control level. A description of each rating is displayed at

the bottom of the page. Press OK when you are finished to confirm the change.

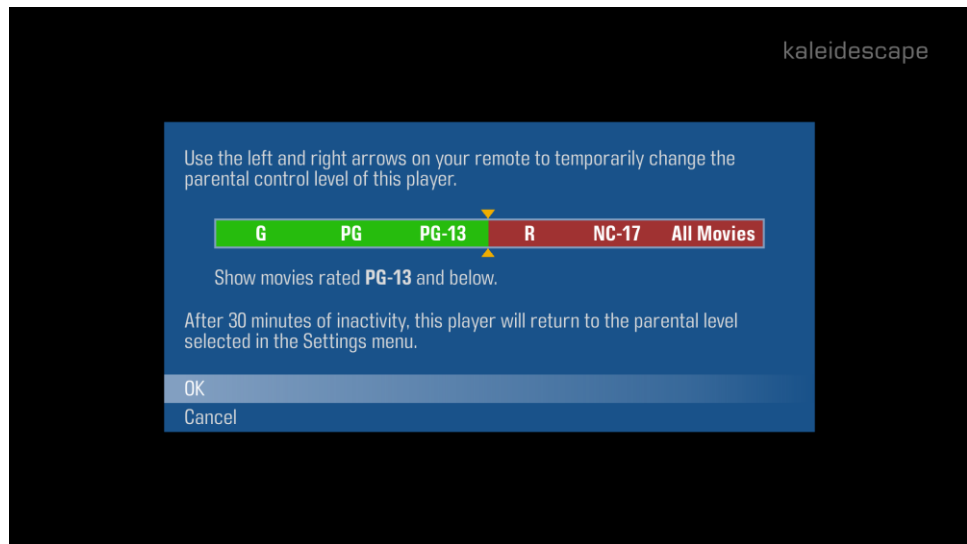


Temporarily changing the parental control level

There may be occasions where temporarily changing the parental control level is desired. This can be done from the Parental Control menu in the Movies tab of the Kaleidescape menu. (Press the menu button on your remote control. Then select the Parental Control menu in the Movies tab.) If a passcode is set, it will be required when changing to a parental control level higher than the default parental control level of the player.

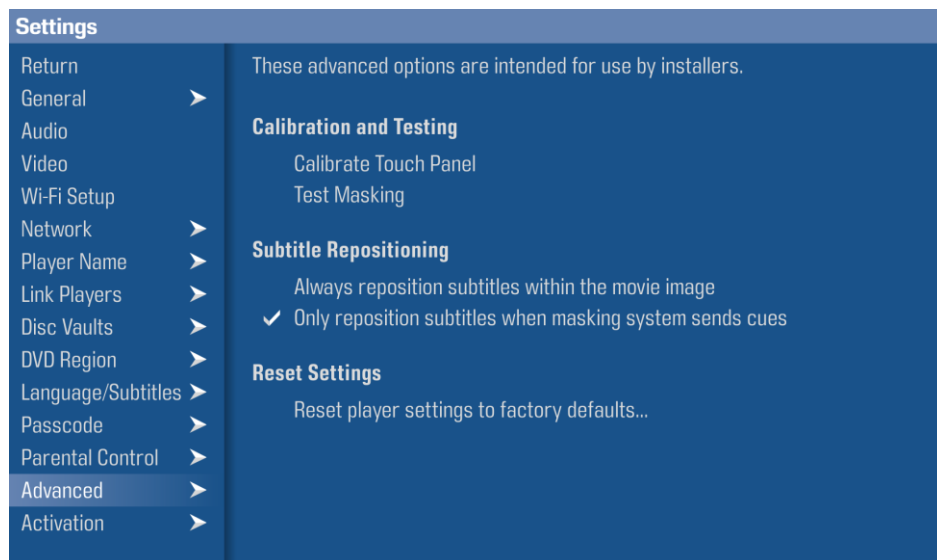


Any changes to parental controls made from this menu are temporary. The player will revert back to its default level after 30 minutes of inactivity.



Advanced

The Advanced page of the onscreen Settings menu can be used by installers when integrating this player with a home control system.



Calibrate Touch Panel

If the video output of this player is being displayed on a touch panel, use the **Calibrate Touch Panel** option to configure touch locations to allow interacting with displayed elements directly, such as pressing on specific covers in the Covers View. Follow the instructions onscreen.

Test Masking

Use the **Test Masking** option to test different aspect ratios to ensure they are displayed properly on your screen.

Subtitle Repositioning

Select whether you want the subtitles to be displayed within the movie image or if you have a control system that sends masking cues, you can select to reposition the subtitles when these cues are sent.

Selecting **Always reposition subtitles within the movie** image causes the player to position subtitles within the movie image so that they can be seen and read even if part of the screen is covered by masking or cropped by a lens.

Select **Only reposition subtitles when masking system sends cues** if the screen masking system is designed to leave room for subtitles at the bottom of the screen. Subtitles appear in the original position, which can place them below the movie image. Display elements continue to be placed within the movie image.

Reset Settings

Choose **Reset player settings to factory defaults** in order to reset player settings. This includes audio, video, network and parental controls.

Section 4

Control Systems

There are several Kaleidescape options available for controlling Kaleidescape Alto.

- Kaleidescape Remote
- Kaleidescape App for iPad
- Kaleidescape Child Remote

Kaleidescape Alto can also be controlled by several types of third party control devices.

- Infrared (IR) remotes
- Touch panels

Kaleidescape provides control modules along with touch panel templates and sample programs for most leading control systems. Kaleidescape also provides databases and IR codes for popular IR remotes.

For specific product support including modules and reference manuals, go to <http://www.kaleidescape.com/support/control-systems>.

Communication

A control device can communicate with the Kaleidescape Alto using a simple text-based protocol over Ethernet, or with IR.

For more information on control connections, refer to the *Kaleidescape System Control Protocol Reference Manual* at www.kaleidescape.com/go/control-protocol and the IR Hex codes at www.kaleidescape.com/go/ir-hex.

Kaleidescape Control Devices

Kaleidescape Remote

Kaleidescape Alto comes with a backlit IR remote to control movies. It features one-button access to key commands such as **Intermission** and **Shuffle**, while the **Movies** button toggles views between *List*, *Covers* and *Collections*. The **Music** button delivers the user to the *Songs* collection.

The **Volume** and **Mute** buttons can be programmed to control the volume on the TV or other audio device.

1. Press and hold the **Info** and **Pause** buttons at the same time. When the indicator light at the top of the remote begins blinking, release the buttons. The indicator light stays on. The Kaleidescape Remote is now in programming mode.

2. Place a remote that already controls the volume flat on a table with the Kaleidescape Remote about 6 inches (15 cm) away.



3. The following steps have to be repeated for the **Mute** button and both **Volume** buttons.
 - Check that the indicator light is still on. If it is off, repeat Step 1.
 - Press and release the button on the Kaleidescape Remote for the function you want to program.
 - Press and hold the button for the same function on the remote that already controls the volume for two seconds.
 - The indicator light on the Kaleidescape Remote blinks twice to indicate success. If the indicator light blinks four times, try again.
4. When finished, press the **OK** button on the Kaleidescape Remote. The indicator light blinks twice to confirm programming is complete.

Learn more in the [Using the Kaleidescape Remote Reference Guide](#).

Kaleidescape Application for iPad

The Kaleidescape App for iPad provides an immersive experience for browsing and searching your collection of movies. The app extends the Kaleidescape experience to the iPad, displaying your movie collection with vivid high-resolution cover art, synopses, and other details.

The Kaleidescape App for iPad includes volume controls and Return button for integration with other control systems. The following is a typical use case:

- The user is running a controller app on an iPad and wants to use their Kaleidescape System.
- The user taps a button represented by the Kaleidescape app icon within the controller app.
- The controller app configures the A/V equipment for use with the Kaleidescape System, and launches the Kaleidescape App for iPad by opening a specific URL.
- The user can browse movies and music, play any selection, and control the Kaleidescape System from within the Kaleidescape app.
- When the user is finished with the Kaleidescape app, they can tap the Return button and a popover appears containing an option to return to the controller app.
- The user taps the popover option to return to the controller app.

For help, refer to [Integrating with the Kaleidescape App for iPad](#).

Kaleidescape Child Remote

When the Child Remote is used, the onscreen user interface automatically switches to the simplified child user interface, eliminating all text-based menus in favor of pure graphical navigation of movie covers.

In addition to the preprogrammed Kaleidescape Child Remote, the child user interface commands can be sent to any programmable controller. Refer to [IR Control Hex Codes for Kaleidescape Systems](#) or the [Kaleidescape System Control Protocol Reference Manual](#).

Third Party Control Devices

Kaleidescape provides a wide range of templates, modules, and sample programs for control systems from several manufacturers.

Some manufacturers also provide templates, modules and IR libraries to control Premiere systems.

Control devices can be simple IR remotes or touch panels.

IR Remote Control

The simplest control device is a generic IR remote control for a DVD player.

IR Code Sets

The Kaleidescape movie player supports two major infrared remote control code sets.

- Code set used by Toshiba DVD players and other manufacturers including Philips, Magnavox, Zenith, Onkyo, and Marantz
- Code set used by Kenwood DVD players

Types of Remotes

IR remotes (other than the Kaleidescape Remote) fall into the following basic categories:

- Pre-programmed
- Learning
- PC Programmable

Pre-programmed Remotes

Pre-programmed remotes only require setting the remote to control a Toshiba or Kenwood DVD player. Custom buttons that jump directly to Kaleidescape menu selections are not available.

Learning Remotes

Learning remotes can be used two ways: as a general remote with a Toshiba or Kenwood code set, or set to accept (learn) Kaleidescape-specific commands

from a device that can generate these commands (for example, the Kaleidescape Remote).

PC Programmable Remotes

PC Programmable remotes can support commands specific to the Kaleidescape interface and provide a more complete experience. The manufacturer provides software that allows the remote to be programmed via a computer. This type of programming often allows IR codes to be imported in hex format (usually copying and pasting the codes into a text box), or from a Philips CCF file.

For a list of all IR codes (in hex) or CCF format available from Kaleidescape, or for the CCF file, go to www.kaleidescape.com/go/ir.

Templates are available for download for RTI, URC, and Elan remotes.

Kaleidescape is also included in IR code database libraries for URC, Logitech Harmony and Opus.

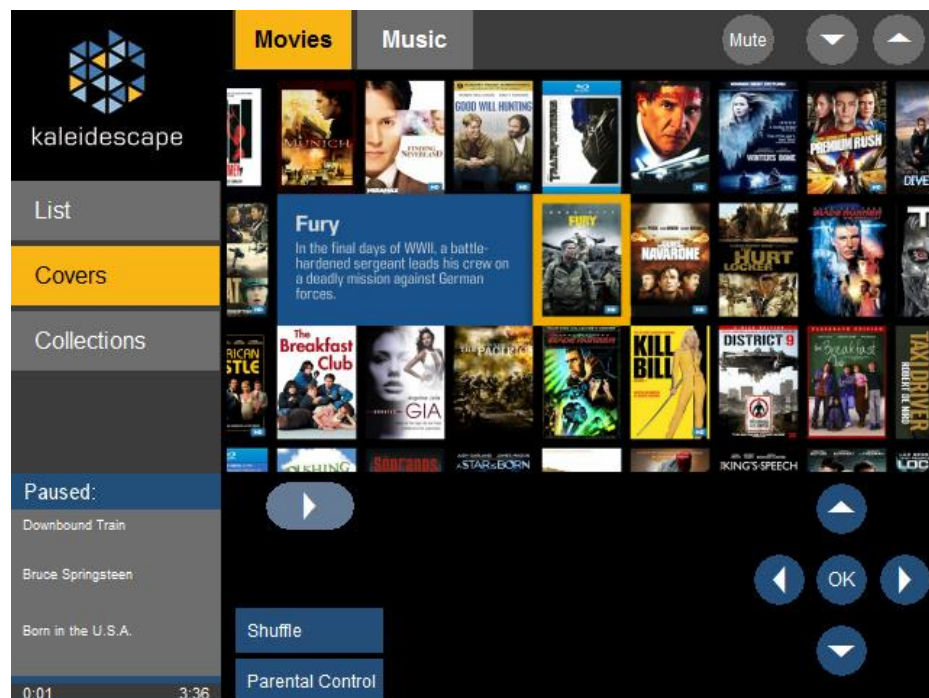
Touch Panels

Kaleidescape supports several variations of touch panel control.

- Onscreen Display with Video
- Onscreen Display without Video

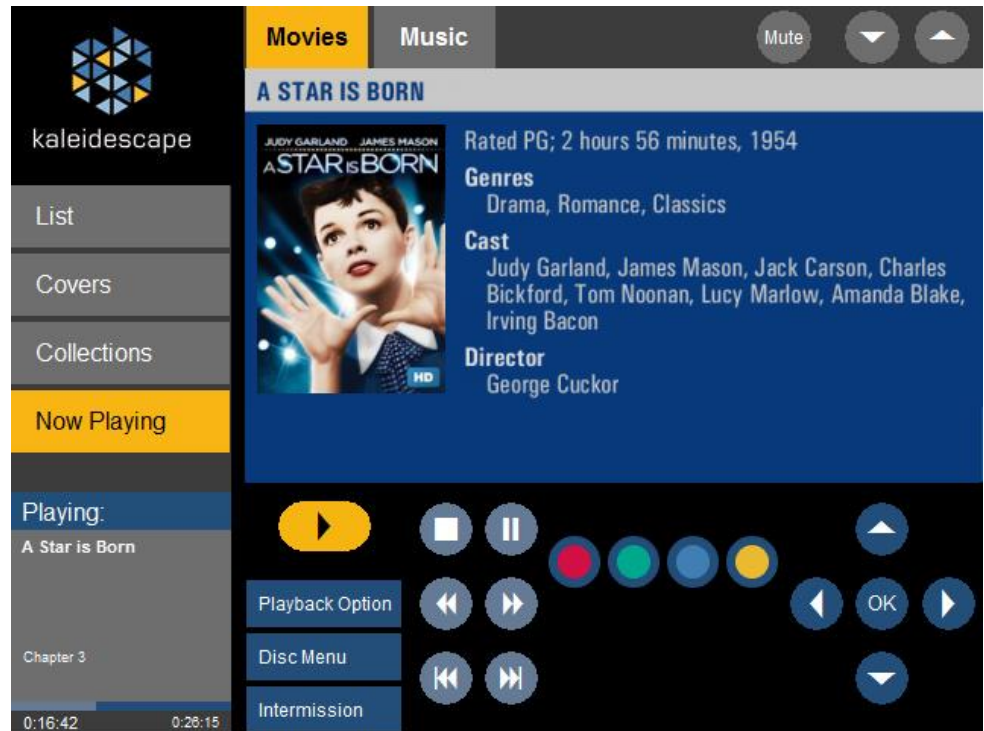
Onscreen Display with Video

Onscreen Display with Video (OSD Video) displays the Kaleidescape onscreen display on the touch panel, along with other controls, by using a video window on the touch panel. Touching the video display makes selections or navigates menus. OSD Video provides the richest user experience and is the implementation suggested by Kaleidescape whenever possible.



Onscreen Display without Video

Onscreen Display without Video (OSD No Video) provides supplemental information with text-based details for content. The touch panel replicates the details pages for movies while browsing the onscreen display.



When selecting the touch screen for an installation, consider whether a video display is present and the technical capabilities of the touch panel. Installations can require more than one type of touch panel interface to provide the best control for every zone.

For more information, go to

www.kaleidescape.com/support/control-systems.

Appendix A

Notices

Compliance

FCC Notice

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 to a different outlet or circuit than the one to which the receiver is connected
- ▶ Consult a dealer or an experienced radio/TV technician for help

Class 1 LED/Laser Notice

Class 1 LED/laser product EN 60825-1:2007 (2nd ed.)

Caution—Use of controls or adjustments or performance of procedures other than those specified in Kaleidescape documentation may result in hazardous radiation exposure. No user serviceable parts inside. Refer servicing to authorized service personnel.

CSA Certification

CSA 60950-1-07, Second Edition (Canada and the US)

CE Declaration

The K0507 carries the CE mark. This product has been tested and conforms to the European Union 2004/108/EC EMC directive, the 2006/95/EC Low Voltage Directive, the 2009/125/EC Ecodesign directive, and the 2011/65/EU RoHS Directive.

This product is shipped with a formal Declaration of Conformity.

WEEE Notice

In compliance with European directive 2002/96/CE and norm EN50419:2005, this device must not be thrown away with household garbage. The device must be the object of an appropriate, selective removal procedure in order to

recuperate it. Cooperation will contribute to the respect for the environment and the protection of our natural resources.

Battery Notice

Although Kaleidescape components are not user-serviceable, components may contain batteries, which must be disposed of properly. Send batteries to Kaleidescape for recycling, or take batteries to a proper battery recycling or processing center. Do not throw used batteries in the trash; batteries can explode in an incinerator. Do not replace the batteries; there is risk of explosion if a battery is replaced by an incorrect type.

Third-Party Software and Technology Licensing Information

Kaleidescape Operating System (kOS)

This product includes software that is based in part on the work of the FreeType Team. The FreeType Project homepage is at <http://www.freetype.org>.

—

This product includes software that is based in part on the work of the Independent JPEG Group.

—

This product includes software developed by the Contributing Authors of the PNG Reference Library and Group 42, Inc.

—

This product includes software subject to the following Copyright and Permission Notice. The GIFLIB distribution is Copyright (c) 1997 Eric S.

Raymond

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

—

This product includes software developed by the University of Illinois at Urbana, and their contributors. This product includes software subject to the following

Copyright, List of Conditions and Disclaimer.

Copyright (c) 1998-2002 University of Illinois Board of Trustees

Copyright (c) 1998-2002 Mark D. Roth

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are

permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of Illinois at Urbana, and their contributors.
4. The University nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE TRUSTEES AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE TRUSTEES OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

—

This product includes software subject to the following Copyright, List of Conditions and Disclaimer.

Copyright (c) 1997, 1998 Todd C. Miller

<Todd.Miller@courtesan.com> All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE

DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes software developed by the University of California, Berkeley and its contributors. This product includes software subject to the following Copyright, List of Conditions and Disclaimer.

Copyright (c) 1990, 1993 The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors.
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

—

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>). Copyright (c) 1998-2002 The OpenSSL Project. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are

permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation

and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org>)."
4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.
5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.
6. Redistribution of any form whatsoever must retain the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

—

This product includes cryptographic software written by Eric Young (ey@cryptsoft.com).

Copyright (C) 1995-1998 Eric Young (ey@cryptsoft.com) All rights reserved.

This package is an SSL implementation written by Eric Young (ey@cryptsoft.com).

The implementation was written so as to conform with Netscapes SSL.

This library is free for commercial and non-commercial use as long as the following conditions are adhered to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed. If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used. This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without modification,

are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: "This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)." The word 'cryptographic' can be left out if the routines from the library being used are not cryptographic related.
4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement: "This product includes software written by Tim Hudson (tjh@cryptsoft.com)."

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The licence and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence [including the GNU Public Licence.]

—

This product includes software subject to the following Copyright Notice, List of Conditions and Disclaimer.

Copyright 1994-2008 The FreeBSD Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE FREEBSD PROJECT "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FREEBSD PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON

ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The views and conclusions contained in the software and documentation are those of the authors and should not be interpreted as representing official policies, either expressed or implied, of the FreeBSD Project.

—

Part of the software embedded in this product is eCos – Embedded Configurable Operating System, a trademark of Red Hat, Inc. under version 1.1 of the Red Hat eCos Public License (RHEPL). A Source Code version of the Covered Code and a

description of the Modifications, all as defined in the RHEPL, may be obtained, under the terms of the RHEPL, by request sent to

info@kaleidescape.com.

All warranty, support, indemnity, liability or other terms that may be offered by Kaleidescape are offered by Kaleidescape alone, and not by Red Hat Inc. or any Contributor (as defined in the RHEPL). Kaleidescape agrees to indemnify Red Hat Inc. and every Contributor for any liability they may incur as a result of such terms.

This product includes software subject to the following Notice and Disclaimer.

Part of the software embedded in this product is eCos - Embedded Configurable Operating System, a trademark of Red Hat. Portions created by Red Hat are Copyright (C) 1998, 1999, 2000 Red Hat, Inc.

(<http://www.redhat.com/>). All Rights Reserved.

THE SOFTWARE IN THIS PRODUCT WAS IN PART PROVIDED BY RED HAT AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

—

This product includes software written by Jean-loup Gailly and Mark Adler.

—

This product includes software subject to the following Copyright and Permission Notice. COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1996 - 2005, Daniel Stenberg, <daniel@haxx.se>. All rights reserved.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice

and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

—

This product includes software subject to the following Copyright and Permission Notice. Copyright (c) 1997-1999 Silicon Graphics Computer Systems, Inc.

Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Silicon Graphics makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

—

This product includes software that is subject to the following Copyright Notice and Disclaimer.

Copyright Notice Some or all of this work - Copyright (c) 1999 - 2004, Intel Corp. All rights reserved. Disclaimer and Export Compliance

1. INTEL MAKES NO WARRANTY OF ANY KIND REGARDING ANY SOFTWARE PROVIDED HERE. ANY SOFTWARE ORIGINATING FROM INTEL OR DERIVED FROM INTEL SOFTWARE IS PROVIDED "AS IS," AND INTEL WILL NOT PROVIDE ANY SUPPORT, ASSISTANCE, INSTALLATION, TRAINING OR OTHER SERVICES. INTEL WILL NOT PROVIDE ANY UPDATES, ENHANCEMENTS OR EXTENSIONS. INTEL SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY, NONINFRINGEMENT AND FITNESS FOR A PARTICULAR PURPOSE.

2. IN NO EVENT SHALL INTEL HAVE ANY LIABILITY TO LICENSEE, ITS LICENSEES OR ANY OTHER THIRD PARTY, FOR ANY LOST PROFITS, LOST DATA, LOSS OF USE OR COSTS OF PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES, OR FOR ANY INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THIS AGREEMENT, UNDER ANY CAUSE OF ACTION OR THEORY OF LIABILITY, AND IRRESPECTIVE OF WHETHER INTEL HAS ADVANCE NOTICE OF THE POSSIBILITY OF SUCH DAMAGES. THESE LIMITATIONS SHALL APPLY NOTWITHSTANDING THE FAILURE OF THE ESSENTIAL PURPOSE OF ANY LIMITED REMEDY.

3. Licensee shall not export, either directly or indirectly, any of this software or system incorporating such software without first obtaining any required license or other approval from the U. S. Department of Commerce or any other agency or department of the United States Government. In the event Licensee exports any such software from the United States or re-exports any such software from a foreign destination, Licensee shall ensure that the distribution and export/re-

export of the software is in compliance with all laws, regulations, orders, or other restrictions of the U.S. Export Administration Regulations. Licensee agrees that neither it nor any of its subsidiaries will export/re-export any technical data, process, software, or service, directly or indirectly, to any country for which the United States government or any agency thereof requires an export license, other governmental approval, or letter of assurance, without first obtaining such license, approval or letter.

This product includes software that is subject to the following Copyright Notice and Permission Notice. Copyright (c) 1998, 1999, 2000 Thai Open Source Software Center Ltd and Clark Cooper.

Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006 Expat maintainers.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Kaleidescape M-Class Distribution

This distribution includes software from the following libraries that are licensed under the GNU General Public License, Version 2. Libraries: ALSA, Bison, BusyBox, E2fsprogs, Minicom, GDB, GNU Readline, ARMulator, PSIM, SGX Embedded Systems DDK for Linux kernel, Linux Kernel, Kernel Headers, cramfs, Udev, Fusion Kernel Module, GStreamer Bad Plug-ins, GStreamer Base Plug-ins, NTFS 3G, eCos host tools, Automake, GCC, GNU Libtool, GNU M4, FUSE, procps, Intel Media Processor CE 3100 Software Development Kit (GPL libraries only).

These libraries are the copyright of the respective authors of these libraries.

You can copy, distribute, or modify these libraries under the terms of the GNU General Public License, Version 2. These libraries are distributed without any warranty. For more details, see the GNU

General Public License, Version 2.

A source code version of these Programs, as defined in the GNU General Public License, Version 2 may be obtained by request sent to info@kaleidescape.com. A copy of the GNU General Public License, Version 2 is available at

<http://www.gnu.org/licenses/>.

This distribution includes software from the following libraries that are licensed

under the GNU General Public License, Version 3. Libraries: Autoconf, Binary Format Descriptor (BFD), Binutils. These libraries are the copyright of the respective authors of these libraries. You can copy, distribute, or modify these libraries under the terms of the GNU

General Public License, Version 3.

These libraries are distributed without any warranty. For more details, see the GNU General Public License, Version 3. A source code version of these Programs, as defined in the GNU General Public

License, Version 3 may be obtained by request sent to info@kaleidescape.com.

A copy of the GNU General Public License, Version 3 is available at

<http://www.gnu.org/licenses/>. — This distribution includes software from the following libraries: GStreamer, libicon,

libmtp.

These libraries are covered by the GNU Library General Public License, Version 2, a copy of which is available at <http://www.gnu.org/licenses/>. A source code version of these Libraries, as defined in the GNU Library General Public License, Version 2, may be obtained by request sent to info@kaleidescape.com.

—

This distribution includes software from the following libraries: libiberty, libusb, DirectFB, GLib, GStreamer Good Plug-ins, GNU C Library. GNU C Library Ports, libfuse.

These libraries are covered by the GNU Lesser General Public License, Version 2.1, a copy of which is available at <http://www.gnu.org/licenses/>. A source code version of these Libraries, as defined in the GNU Lesser General Public License, Version 2.1, may be obtained by request sent to info@kaleidescape.com.

—

This distribution includes software that is subject to the following Copyright Notice, List of Conditions, and Disclaimer.

Copyright (c) 2005-2009 Intel Corporation. All rights reserved.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of Intel Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR

CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

—

This distribution includes software that is subject to the following Copyright Notice, List of Conditions, and Disclaimer.

Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007 The Flex Project.

Copyright (c) 1990, 1997 The Regents of the University of California. All rights reserved. This code is derived from software contributed to Berkeley by Vern Paxson.

The United States Government has rights in this work pursuant to contract no. DE-AC03-76SF00098 between the United States Department of Energy and the University of California.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

—

This distribution includes software that is based in part on the work of the FreeType Team. The FreeType Project homepage is at <http://www.freetype.org>.

— This distribution includes software that is based in part on the work of the Independent JPEG Group.

—

This distribution includes software developed by the Contributing Authors of the PNG Reference Library and Group 42, Inc.

—

This distribution includes software that is subject to the following Copyright Notice and Permission Notice.

Copyright (c) 1998-2004, 2006 Free Software Foundation, Inc. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, distribute with modifications, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies

or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE ABOVE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name(s) of the above copyright holders shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization.

—

This distribution includes software written by Jean-loup Gailly and Mark Adler.

—

This distribution includes software that is subject to the following Copyright Notice and Permission Notice. Copyright (c) 2001-2008 The world wide DirectFB Open Source Community (directfb.org)

Copyright (c) 2000-2004 convergence (integrated media) GmbH

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

—

This distribution includes software that is subject to the following Copyright Notice, List of Conditions, and Disclaimer.

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2007 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

—

This distribution includes software that is subject to the following Copyright Notice, List of Conditions, and Disclaimer.

Copyright 2002,2003,2004,2005 David A. Schleef <ds@schleef.org>

All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright Motorola, Inc. 2003

ALL RIGHTS RESERVED

You are hereby granted a copyright license to use, modify, and distribute the SOFTWARE so long as this entire notice is retained without alteration in any modified and/or redistributed versions, and that such modified versions are clearly identified as such. No licenses are granted by implication, estoppel or otherwise under any patents or trademarks of Motorola, Inc.

The SOFTWARE is provided on an "AS IS" basis and without warranty. To the maximum extent permitted by applicable law, MOTOROLA DISCLAIMS ALL WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY AGAINST INFRINGEMENT WITH REGARD TO THE SOFTWARE (INCLUDING ANY MODIFIED VERSIONS THEREOF) AND ANY ACCOMPANYING WRITTEN MATERIALS.

To the maximum extent permitted by applicable law, IN NO EVENT SHALL MOTOROLA BE LIABLE FOR ANY DAMAGES WHATSOEVER (INCLUDING WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, OR OTHER PECUNIARY LOSS) ARISING OF THE USE OR INABILITY TO USE THE SOFTWARE. Motorola assumes no responsibility for the maintenance and support of the SOFTWARE.

Copyright (C) 1997 - 2002, Makoto Matsumoto and Takuji Nishimura, All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
 3. The names of its contributors may not be used to endorse or promote products derived from this software without specific prior written permission.
- THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
-

This distribution includes software that is subject to the following Copyright Notice, Permission Notice, and Disclaimer.

Copyright (C) 1998-2003 Daniel Veillard. All Rights Reserved. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE DANIEL VEILLARD BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of Daniel Veillard shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from him.

— This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>).

Copyright (c) 1998-2002 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list

of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)"
4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org.
5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.
6. Redistributions of any form whatsoever must retain the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)
Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com) All rights reserved.

This package is an SSL implementation written by Eric Young (eay@cryptsoft.com). The implementation was written so as to conform with Netscapes SSL. This library is free for commercial and non-commercial use as long as the following conditions are adhered to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed. If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used. This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: "This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)" The word 'cryptographic' can be left out if the routines from the library being used are not cryptographic related.
4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement: "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The licence and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence [including the GNU Public Licence.]

—

This distribution includes software that is subject to the following Copyright Notice and List of Conditions. Copyright 1994-2008 Purdue Research Foundation, West Lafayette, Indiana 47907. All rights reserved.

Written by Victor A. Abell Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it freely, subject to the following restrictions:

1. Neither the authors nor Purdue University are responsible for any consequences of the use of this software.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Credit to the authors and Purdue University must appear in documentation and sources.
3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. This notice may not be removed or altered.

—

This distribution includes software that is subject to the following Copyright Notice,

List of Conditions, and Disclaimer. Copyright (c) 1991, 1992 Paul Kranenburg
pk@cs.few.eur.nl Copyright (c) 1993 Branko Lankester <branko@hacktic.nl> Copyright
(c) 1993 Ulrich Pegelow <pegelow@moorea.uni-muenster.de> Copyright (c) 1995, 1996
Michael Elizabeth Chastain <mec@duracef.shout.net> Copyright (c) 1993, 1994, 1995,
1996 Rick Sladkey <jrs@world.std.com> Copyright (C) 1998-2001 Wichert Akkerman
<wakkerma@deephackmode.org> All rights reserved. Redistribution and use in source
and binary forms, with or without modification, are

permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF

MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This distribution includes software that is subject to the following Copyright Notice.

Copyright (C) 2009. Silicon Graphics, Inc. All Rights Reserved.

This document is licensed under the SGI Free Software B License Version 2.0.

See <http://oss.sgi.com/projects/FreeB/>.

This distribution includes software that is subject to the following Copyright Notice and Permission Notice.

Copyright (c) 2007 The Khronos Group Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and /or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials.

THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS.

This distribution includes software that is subject to the following Copyright Notice and Permission Notice.

Copyright (c) 2007-2009 The Khronos Group Inc. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and /or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials. THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS.

Kaleidescape App for iPad

Portions of this product may use the following third-party software, the use of which is hereby acknowledged.

JSON Framework

JSON.h, NSObject+SBJSON.h, NSObject+SBJSON.m, NSString+SBJSON.h, NSString+SBJSON.m, SBJsonBase.h, SBJson-Base.m, SBJsonParser.h, SBJsonParser.m, SBJsonWriter.h, SBJsonWriter.m

Copyright (C) 2007-2010 Stig Brautaset.

All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the author nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

iOS Frameworks

CommonCrypto/CommonDigest.h, CommonCrypto/CommonCryptor.h, Security/Security.h This product includes software from iOS frameworks available at <http://opensource.apple.com/source/> and licensed under the terms of the Apple Public Source License version 2.0, <http://www.opensource.apple.com/license/apsl/>.

Berkeley Sockets

This product includes third-party software included with the Xcode toolset. The included third-party software is licensed under the terms of the Apple Public Source License version 2.0, <http://www.opensource.apple.com/license/apsl/>. Xcode is available at <http://developer.apple.com/xcode/>.

sys/socket.h

Copyright (c) 1998, 1999 Apple Computer, Inc. All Rights Reserved. Copyright (c) 1995 NeXT Computer, Inc. All Rights Reserved. Copyright (c) 1982, 1985, 1986, 1988, 1993, 1994 The Regents of the University of California. All rights reserved.

sys/ioctl.h

Copyright (c) 1995 NeXT Computer, Inc. All Rights Reserved.

Copyright (c) 1982, 1986, 1990, 1993, 1994 The Regents of the University of California. All rights reserved.

(c) UNIX System Laboratories, Inc. All or some portions of this file are derived from material licensed to the University of California by American Telephone and Telegraph Co. or Unix System Laboratories, Inc. and are reproduced herein with the permission of UNIX System Laboratories, Inc.

netinet/in.h

Copyright (c) 1982, 1986, 1990, 1993 The Regents of the University of California. All rights reserved.

net/if.h

Copyright (c) 1982, 1986, 1989, 1993 The Regents of the University of California.

All rights reserved.

arpa/inet.h

Copyright (c) 1983, 1993 The Regents of the University of California. All rights reserved.

netdb.h

Copyright (c) 1980, 1983, 1988, 1993 The Regents of the University of California.

All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors.
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Rovi Corporation Notice

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation.

Reverse engineering or disassembly is prohibited.

CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.

Cinavia Notice

This product uses Cinavia technology to limit the use of unauthorized copies of some commercially-produced film and videos and their soundtracks. When a prohibited use of an unauthorized copy is detected, a message will be displayed and playback or copying will be interrupted.

If playback or copying is interrupted and one of the messages shown below is displayed, the content is an unauthorized copy protected by Cinavia technology.

Message	Cinavia Message Code
Cinavia stopped playback.	1
Cinavia muted the audio.	3

More information about Cinavia technology is provided at the Cinavia Online Consumer Information Center at <http://www.cinavia.com>. To request additional information about Cinavia by mail, send a postcard with your mailing address to: Cinavia Consumer Information Center, P.O. Box 86851, San Diego, CA, 92138, USA.

This product incorporates proprietary technology under license from Verance Corporation and is protected by U.S. Patent 7,369,677 and other U.S. and worldwide patents issued and pending as well as copyright and trade secret protection for certain aspects of such technology. Cinavia is a trademark of Verance Corporation. Copyright 2004–2010 Verance Corporation. All rights reserved by Verance. Reverse engineering or disassembly is prohibited.