Kaleidescape Programming Manual for Elan Home Systems

Rev. 1, July 2008

Elan Templates v1.0

© 2007 - 2008 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 countries. Other third party product and brand names are the trademarks of their respective owners and may be registered in certain jurisdictions.

This document is for informational purposes only. While Kaleidescape believes that the information contained herein is accurate as of the first date of publication (July 1, 2008), Kaleidescape makes no 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.

Table of Contents

1 Overview 1

2 Connecting to Kaleidescape 2
- 2.1 IR Control 2
- 2.2 Connecting the IR IN Port 2
- 2.3 Connecting Video Output 2

3 Configuring Music Zone Control 3

4 Importing the Template 6
- 4.1 Unzip the Template 6
- 4.2 Import the IR File 6
- 4.3 Import the Overlay 7
- 4.4 Import the Layout 8
- 4.5 Configuring the Overlay Feature 9

A APPENDIX User Interface 10
- 5.1 Movies 10
- 5.2 Parental Control 10
- 5.4 Music 11
- 5.5 Video Overlay Buttons 12

B APPENDIX IR Commands 13

C APPENDIX Glossary 17

1 Overview

In this reference manual, you will learn how to successfully integrate a Kaleidescape System with an Elan control system using VIA! 6.4 color touch panels.

Connecting to Kaleidescape

Section 2 describes how to connect an Elan system to a Kaleidescape System.

Configuring Music Zone Control

Section 3 explains how to configure a Movie Player so that you can control any Music Zone in your System from the OSD.

Importing the Template

Section 4 explains how to import the Kaleidescape template into your Elan project.

Appendices

The appendices show how Kaleidescape control appears on an Elan VIA! 6.4 color touch panel and list the commands available through IR code control.

2 Connecting to Kaleidescape

2.1 IR Control

The Kaleidescape Elan implementation uses an IR connection to control the Kaleidescape Player. Kaleidescape chose this connection method since all Elan VIA! 6.4 touch panels can send IR codes without any additional hardware and the IR codes provide all the required control options.

2.2 Connecting the IR-IN Port

The IR output from the Elan system can be plugged into the IR-IN connector on the rear of the Kaleidescape Player. Internally, the IR-IN connector is wired to an emitter at the front of the Player—there is no need to place an IR "bug" on the front of the Player. A simple mono mini-male-to-mini-male cable (such as Elan's IRIC IR Interconnect cable) can be used to connect the systems.

2.3 Connecting Video Output

To use the overlay feature of the Elan touch panel, connect the composite video output of the Kaleidescape Player to the Elan system. Since Kaleidescape Players can be configured to have all video outputs live simultaneously, the composite video can be shown on a touch panel while the HDMI video is shown on the main display.

3 Configuring Music Zone Control

Music Zone Control is an optional feature of the Kaleidescape System that allows a single Movie Player to control any Music Zone in the System. With Music Zone Control enabled, you can change which Music Zone the Player is controlling from the Now Playing area of the Player's OSD. The Now Playing area of the OSD displays information for the music that is playing in the Music Zone currently controlled by the Player. Playback controls only affect the Music Zone the Player is currently controlling, independent of what the local Music Zone may be playing.

If your installation has multiple Music Zones, the VIA! touch panel will control the Music Zone currently controlled by the Player. If you want to change which Music Zone the VIA! touch panel is controlling, do so from the Player's OSD.

You can enable the Music Zone Control option in the Installer Web Utility.

To set Music Zone Control:

1. Open the Kaleidescape Installer Web Utility.
2. On the COMPONENTS tab, enter a name for each Music Zone in the Name of Music Zone text box(es). Name all the Music Zones in the System, including the single Music Zone of each Movie Player.

   Give the Music Zones easily understood names such as Sunroom, Dining Room, John's Music, or Baby's Music. You will choose from these zones names in the OSD when you pick a zone to control.

Note

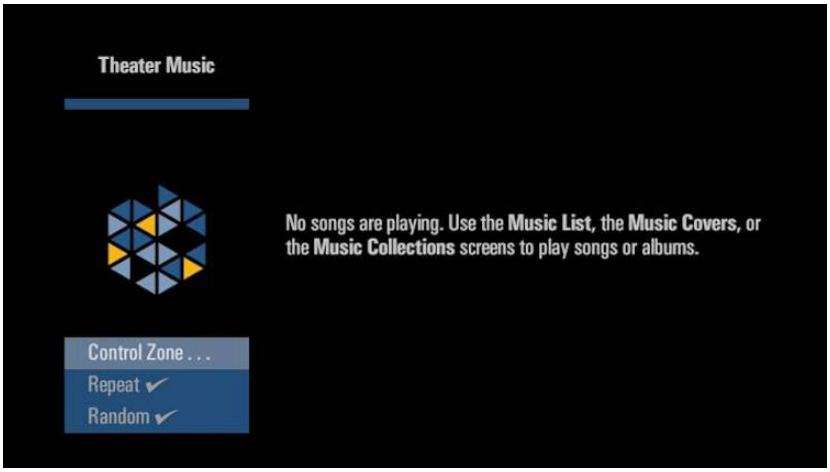
If you name a Music Zone Unused, it will not appear as an OSD choice.

3. On the PREFERENCES tab, select Movie Players are allowed to control all Music Zones in the System.

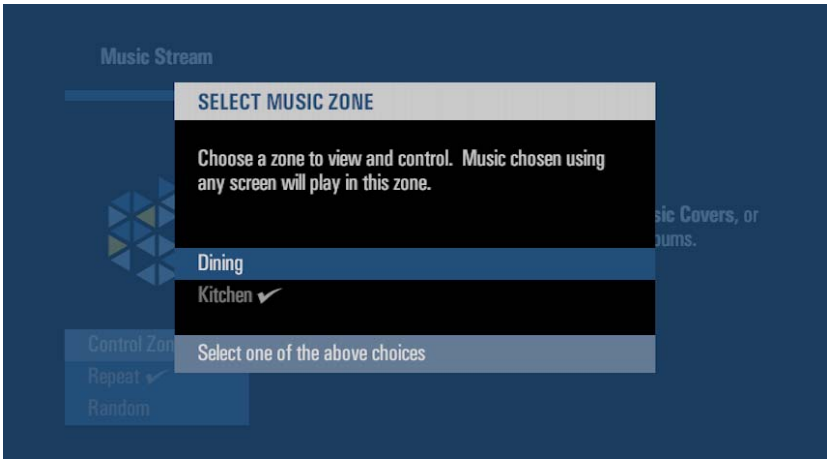
4. Click Save Changes.

To select a Music Zone from the OSD:

1. On the Movie Player OSD select the Now Playing OSD location.



2. Select Control Zone…. You are presented with the available Music Zones in the System by the names you assigned to them in the Installer Web Utility.



3. Select the Music Zone you want to control from the list. Now whenever you choose music, you will be reminded that you are controlling a non-local Music Zone and be given an option to play the chosen music in that zone. You could also then choose a different Music Zone to control.

4 Importing the Template

The process of importing the Kaleidescape Elan template into your Elan project follows these steps.

- Unzip the template
- Import the IR file
- Import the overlay
- Import the layout

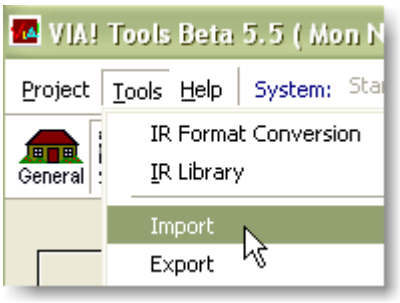
You also can configure the touch panel to display video from the Player with control using the touch panel overlay feature.

4.1 Unzip the Template

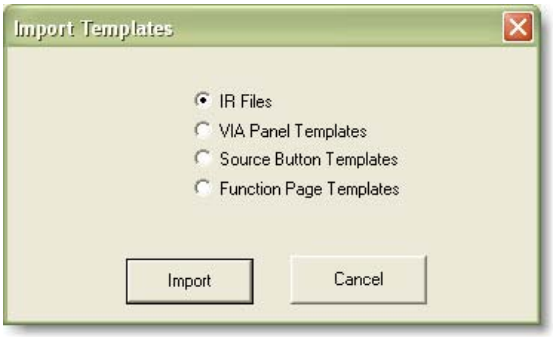
1. Unzip the archive into a folder such as the ELAN Transfer folder on the C drive.
2. In VIA! Tools, open the Elan project to which you want to add Kaleidescape control.

4.2 Import the IR File

1. Select Import from the Tools drop-down menu.



The Import Templates dialog box appears.

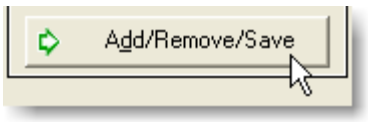


2. Select IR Files and click Import.
3. Select the `Kaleidescape_Player.IRFile_ZIP` file from the folder where you unzipped the template and click Open.

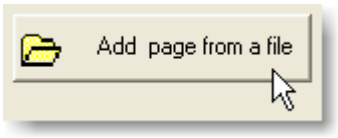
4.3 Import the Overlay

1. Select the touch panel to which you are adding Kaleidescape controls.
2. Click the Overlay button.

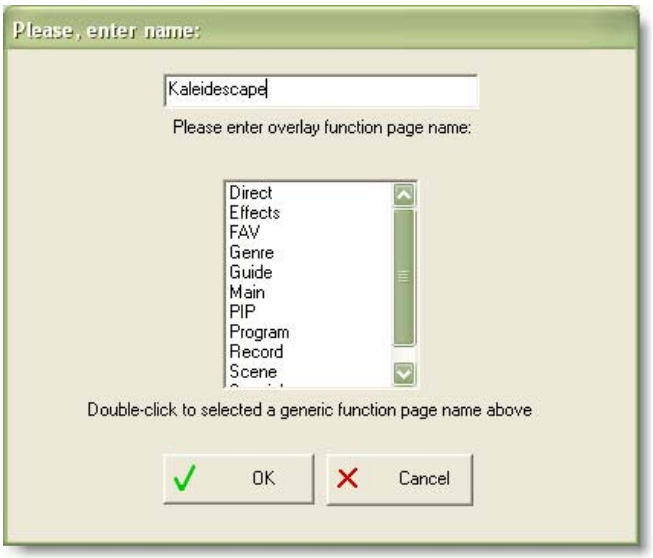
3. Click Add/Remove/Save.



4. Click Add page from a file.



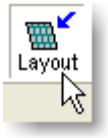
5. Type "Kaleidescape" to name the overlay function page and click OK.



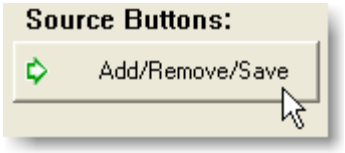
6. Select the `Kaleidescape Overlay Page.OFT` file in the folder where you unzipped the template and click Open.
7. Click DONE.

4.4 Import the Layout

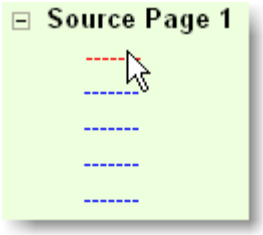
1. Click the Layout button.



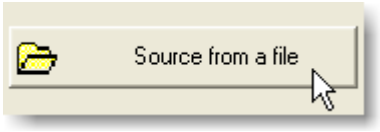
2. Click Add/Remove/Save.



3. Select an empty source slot from the center column.



4. Click Source from a file.



5. Type "Kscape" or any other appropriate name and click OK.

8. Select the file Kaleidescape Source Pages.vst in the folder where you unzipped the template and click Open.
9. Click DONE.

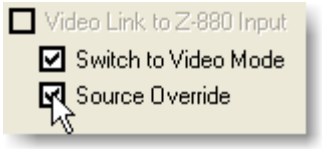
4.5 Configuring the Overlay Feature

If you want Kaleidescape video to be visible on the touch panel, you must set the source pages to use the overlay.

1. Select the Layout button.

2. In the panel preview, click the Kscape button (or whatever name you've given it).

3. From Special Function Buttons, select Switch to Video Mode and Source Override.



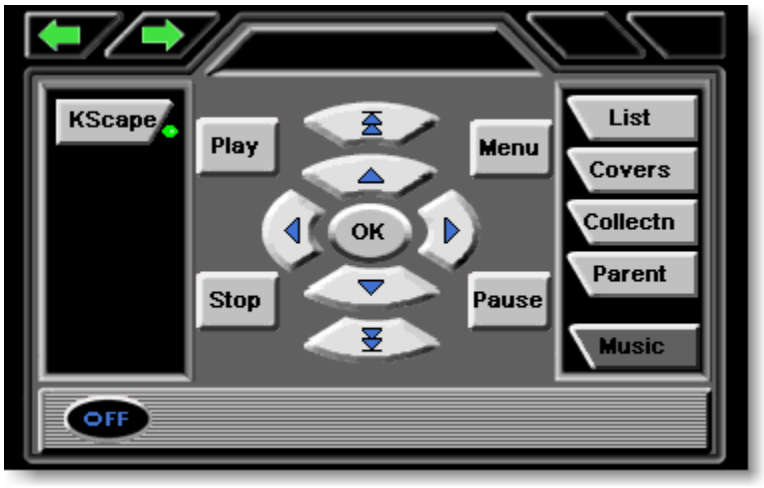
4. Finally, save the project and load the touch panel.

A APPENDIX
User Interface

This appendix shows how the Elan VIA! 6.4 touch panels appear with Kaleidescape control. These examples use the "Original (A)" motif. If you have selected a different motif, the button locations and function will be the same but the appearance will be different.

5.1 Movies

The movies screen is initial screen displayed. It is also displayed when the Movies button is pressed or the Stop button is pressed during movie playback.

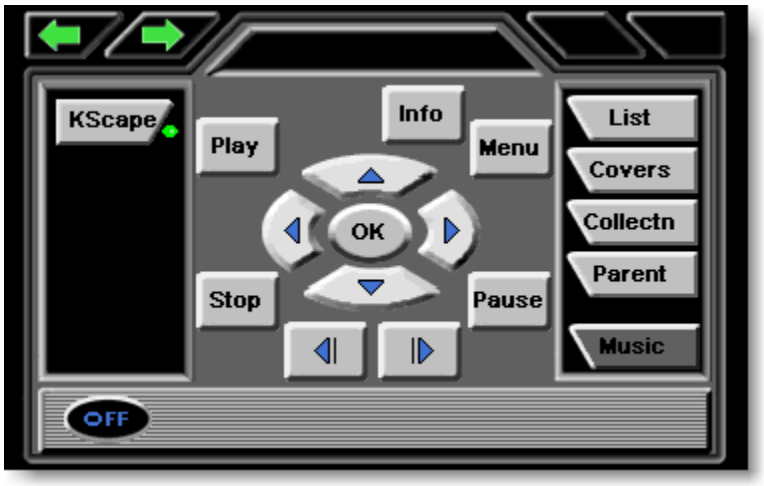


5.2 Parental Control

The parental control screen is displayed after the movies Parent button is pressed.

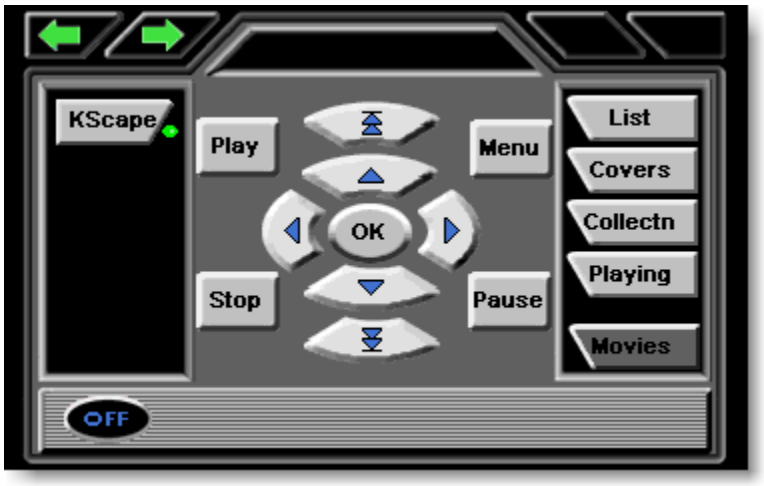
5.3 Movie Playback

The movie playback screen is displayed when the movies Play button is pressed.



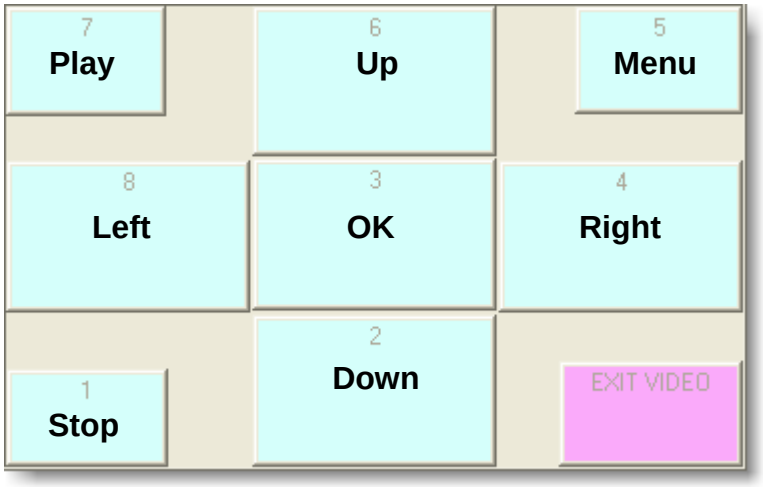
5.4 Music

The music screen is displayed when the Music button is pressed.



5.5 Video Overlay Buttons

The button pattern used on the video overlay matches the pattern used by the visible buttons, except that pause is replaced by EXIT VIDEO. You can use these hidden controls while the touch panel plays video from the Kaleidescape Player.



B APPENDIX
IR Commands

PLAY
Resumes normal playback or begins playback of the currently highlighted content.

STOP OR CANCEL
Stops the currently playing content or dismisses a pop-up.

PAUSE TOGGLE
PAUSE ON
PAUSE OFF
Changes the paused state. The Play command will also un-pause playback.

SCAN FORWARD
SCAN REVERSE
Scans through forward or backward through playback. Subsequent commands change how fast the scanning occurs. For instance, pressing Scan Forward twice doubles how fast the playback scans. The Play command resumes normal playback.

NEXT
PREVIOUS
Skips chapters during DVD playback, tracks during CD playback, and performs page up and down operations on a list.

INSTANT REPLAY
Jumps backwards 5 seconds during DVD playback.

INTERMISSION TOGGL
INTERMISSION ON
INTERMISSION OFF
Changes the intermission state. Intermission pauses the content and shows the DVD cover art.

POWER TOGGLE
POWER ON
POWER STANDBY
Turns the Player on or off.

ARROW UP
ARROW DOWN
ARROW LEFT
ARROW RIGHT
Moves onscreen display selection and DVD menu controls.

PAGE UP
PAGE DOWN
Skips one page of data in the onscreen display list views.

SELECT OR ENTER
Selects the currently highlighted item and finishes any solicited input (such as parental control passwords). Used throughout the onscreen display and DVD menu.

DIGIT 1
DIGIT 2
DIGIT 3
DIGIT 4
DIGIT 5
DIGIT 6
DIGIT 7
DIGIT 8
DIGIT 9
DIGIT 0
Sends numeric input. When numeric input is sent while viewing the onscreen display, it behaves as a parental control password.

DVD MENU
DVD TOP MENU
DVD RESUME
DVD TITLE MENU
Navigates the DVD menu. Most controllers only use the DVD Menu and DVD Resume commands.

DVD OR KAL MENU
Behaves like the DVD Menu command during DVD playback. When in the onscreen display, this command behaves as the Kaleidescape Menu Toggle command. Use this command if you must use a single button to control playback and the Kaleidescape onscreen display.

KAL MENU TOGGLE
KAL MENU ON
KAL MENU OFF
Changes the display state of the Kaleidescape Menu. The Kaleidescape Menu allows the user to move to the different onscreen display places (such as the Movie List, Movie Cover Art, Music List, etc.)

GO MOVIE COVER ART
GO MOVIE LIST
GO MOVIE COLLECTNS
GO PARENTAL CONTRL
GO MUSIC COVER ART
GO MUSIC LIST
GO MUSIC COLLECTNS
GO MUSIC NOW PLAYN
GO SYSTEM STATUS
Goes to a specific place within the Kaleidescape onscreen display. Each of these commands is simply a shortcut to a selection on the Kaleidescape Menu.

GO SCREEN SAVER
STOP SCREEN SAVER
Changes the screen saver state. The screen saver can be programmed to start after a period of inactivity—set from the factory to 5 minutes.

SHUFFLE COVERS
Shuffles covers in the cover art onscreen display place.

PARENT CTRL SAFE
Sets the parental control level of the Player to the safe level. The safe level is the least-restrictive setting that does not contain a password.

PARENT CTRL DFAULT
Sets the parental control level of the Player to the default level as defined in the Web Utility.

SHOW ITEM DETAILS
Shows the details page for the current item. In most of the onscreen display places, the Select Or Enter command will do the same thing.

PLAYBK DISPLAY TOG
PLAYBK DISPLAY OFF
Toggles or dismisses the playback display pop-up. This pop-up allows the user to change various playback features such as the audio track, the angle, subtitle selection, chapter selection, etc. This menu also allows the user to set a favorite scene. Often, the Playback Display Toggle command is tied to an info button.

DVD AUDIO
DVD SUBTITLE
DVD NEXT ANGLE
Provides direct access into various selections within the playback display pop-up.

PLAY DEMO
PLAY DEMO LOOP
Begins a demo which plays all favorite scenes back to back.

FAV SCENE START
FAV SCENE END
Sets the start and end points for a favorite scene. The start command can be issued several times to reset the start point. Likewise, the end command can be issued several times to reset the end point. Once set, the favorite scene can be named (via the playback display pop-up or the Web Utility) and another favorite scene can be set.

C APPENDIX
Glossary

Music Zone

An independent music output from the Kaleidescape System. A Movie Player has a single Music Zone and a Music Player has four Music Zones.

OSD

An onscreen display (OSD) is a user interface on the television screen (sometimes also on part of the touch panel) that allows you to select viewing options. OSD control means that the user is using the OSD to control the Player – either using an IR remote or touch panel. The user must see the OSD when using OSD control.

Template

A template is a touch panel file containing the pages used to control a single device. Kaleidescape provides a template for Elan VIA! 6.4 color touch panels.