

## **13. The Flipbook**

### **13.1 Introduction**

The Flipbook is a real time monitor utility for image clips.

The Flipbook application always allows you to view a sequence in real time in preview resolution. High resolution display is also possible, although this depends on the available machine resources (achievable frame rates may be too low for a satisfying preview.) For example, Jaleo Plus systems running on ONYX computers can handle realtime playback in full video resolution easily, while smaller systems usually are not able to produce more than a few frames per second due to far lower disk IO performance.

The flipbook also includes the ability to “redirect” screen display to an external video monitor, provided appropriate hardware is available (Indy Video, Galileo, Sirius). Files are loaded into the Flipbook using drag&drop operations from the Desktop or the Loader application.

### **13.2 Starting the FlipBook**

You can start the FlipBook:

- From the Toolchest
- By double clicking on its desktop icon
- By dropping a file on the desktop icon
- By typing `Flipbook` from any UNIX shell.

## 13.3 The Application Window



FIGURE 42. The Flipbook

The Flipbook window consists of a menu bar, the display window and some optional control areas that can be activated using setup options.

### 13.3.1 Interaction with Other Jaleo Applications

You can load clip files to the Flipbook by using drag&drop from any valid drag source, i.e. the SGI desktop and file manager windows, the Loader, the Gallery or the Jaleo Reel window. You can also drag the flipbook content to any other Jaleo application.

See “Drag&Drop Integration” on page 46 for more information.

### 13.3.2 Shuttle Menu

The functions included in the shuttle allow you to control sequence playback as in a VTR. There are three playback modes: single, loop and swing.

#### **Shuttle > Stop**

Stops clip playback

#### **Shuttle > Pause**

Momentarily stops sequence playback. Press “Pause” to continue playback of the sequence.

#### **Shuttle > Play**

Plays the clip.

#### **Shuttle > Reverse Play**

Plays the clip in reverse.

**Shuttle > Fast Forward**

Forward Plays the clip in fast forward mode.

**Shuttle > Fast Rewind**

Plays the clip in fast rewind mode.

**Shuttle > Frame forward**

Advances the sequence by one frame

**Shuttle > Frame Reverse**

Rewinds the sequence by one frame

**Shuttle > Goto Begin**

Goes to the clips first frame

**Shuttle > Goto End**

Goes to the clips last frame.

**Shuttle > Loop**

Sets the Flipbook to loop playback mode: When the sequence reaches the last frame, it will jump back to the first frame and continue playback.

**Shuttle > Swing**

Sets the Flipbook to swing playback mode: When the sequence reaches the last frame, it will continue playing backwards towards the end. At the beginning, it will again reverse playback direction and continue playback.

**Shuttle > Single**

Sets the Flipbook to single playback mode: When the sequence reaches the end (or the beginning in reverse playback mode) playback stops.

**13.3.3 Zoom Menu**

The zoom allows you to adjust the scale the image clip for playback, automatically resizing the preview window to accommodate the zoomed image display. Which size displays the image without scaling (1/2 or 1/4) depends on your system setup.

**Zoom > 1/4**

The monitor will adjust to this resolution. Small image.

**Zoom > 1/2**

The monitor will adjust to this resolution. Medium size image.

**Zoom > 1**

The monitor will adjust to this resolution. Large image, created by scaling the preview images. If you want to see full resolution images, use the highres or single frame options.

**Zoom > In**

The monitor will pass to the next zoom in resolution, zooming in on the FlipBooks window. The resolution will change from 1/4 to 1/2 and from 1/2 to 1.

**Zoom > Out**

The monitor will pass to the next zoom out resolution, reducing the FlipBook windows size. The resolution will change from 1 to 1/2 and from 1/2 to 1/4.

**13.3.4 Show Menu****Show > Time Code**

Turns time code display on or off. The time code is located in the image's lower section and indicates the exact position of the sequence; the time code will activate whenever the clip movement begins whether you are viewing the clip in forward or rewind mode.

**Show > Frame Rate**

Turns the frame rate display on or off. The frame rate is centered on the upper section of the image and displays the number of frames that are actually played back per second.

**Show > High**

Resolution Switches the flipbook to use the high resolution images of the clip instead of the preview versions. In this mode, all zoom options are disabled. You can only see the high resolution image in its original size (please see the setup section). Note that due to the enormous size of the full size video images, real time playback is generally only possible on Jaleo Plus systems with appropriate disk setups.

**Show > Speed Bar**

Turns the Speed Bar on or off. The Speed Bar appears on the monitors lower section. The Speed Bar is a slider that can be used to set any frame rate between 1 and 50 frames per second. If the desired frame rate cannot be matched (for example on small systems with high-resolution mode activated), the Flipbook will drop frames. You will thus be missing frames, but a frame displayed will display as accurately in time as possible. Activate the frame rate display to check the frame rate actually achieved.

**Show > Shuttle**

Turns the shuttle display on or off. The shuttle is used to control image playback with VTR-style buttons.

### **Show > Live Output**

If appropriate video hardware is available in your system, this toggle switches on clip display on an external video monitor. In preview mode (highres option deactivated), this will automatically set zoom to 1/1 size, zooming up the preview images to a full video frame. In highres mode, this is of course not necessary. Supported video options are Indy Video, Galileo and Sirius.

### **Show > Single Frame**

Shows the current frame as a high resolution image in a separate viewer window. This option allows you to closely examine any particular frame within the clip.

The following options appear in the windows menu bar indicating a single frame:

- Show > Single Frame > Save File: used to save the image to a file.
- Show > Single Frame > Zoom Box: Using the zoom box, you can zoom into the full resolution image. The zoom box displays a zoom factor slider and a 1/4 resolution image display with a zoom rectangle that can be dragged around to position the zoom.
- Show > Single Frame > Show Key: Shows the mask associated with the image

