PHOENIX 2.0 RELEASE NOTES

Release Date: May 30 2007
Release Build: 2.0.20

OVERVIEW

Javelin is happy to present the latest offering in DVD Emulation – Phoenix 2.0. Those familiar with SMT's Phoenix product will find that Phoenix 2.0 retains all of the great features of SMT Phoenix while also improving stability and offering additional powerful features.

We have made dozens of modifications to Phoenix that contribute to substantially increased responsiveness and reliability of behavior.

Among the most significant changes in Phoenix 2.0 is the new user interface. While it is very similar to SMT Phoenix in layout, the look and feel is much improved, as is the "docking" functionality. Perhaps the two most exciting features in 2.0 are "UOP Templates" and "Emulation Macro."

UOP Templates allow the user to create a set of user operation values that are correct for a given piece of content (such as a Warner Bros header). Once the template is applied while running the content, the user is notified if any of the authored UOP values do not match that of the template.

Emulation Macro is a preview feature in this release and will be finished for the 2.1 release that will follow in approximately six weeks. It allows the user to record a set of command inputs (such as 'enter', 'left', 'left', 'left', 'down', 'down', 'enter', 'chapter next', 'root') that provide the correct QC routine for given content. The recorded macro can be saved and played at any time to see if later builds of a project behave the same way given the same inputs.

The list of modifications below includes only a portion of the actual modifications. We have also made a number of changes to improve the speed and stability of Phoenix.

MODIFICATIONS

See the Phoenix User Manual for full descriptions on the user of these features.

- FEATURE: New User Interface: Significantly improved look and feel. More intuitive docking windows.
- FEATURE: UOP Templates: Stored UOP patterns for content UOP verification.
- FEATURE: Parental management indicator: provides parental management information for each global title in a given DVD project.
- FEATURE: Numeric key input: provides for number pad input of button numbers. Currently supports up to ten buttons.
- BUG: Resolved a sync problem. The issue was triggered by Play->FF/RW->Pause->Play.

- BUG: Resolved a problem with displaying still menus/cards in the correct aspect ratio when the emulator was set to panscan or letterbox.
- FEATURE: Per client request, Phoenix now includes a list of 'significant' non-seamless cells found in the DVD project.
- BUG: Improved reliability of fast forward and rewind functions
- FEATURE: Cell still time indicator
- FEATURE: Keyboard hook management
- FEATURE: Detection of invalid "CallSS RSM=172" command
- FEATURE: Audio enabled/disabled indicator in Audio Stream Info window.

NEXT VERSION PLANS

- FEATURE: Simulation of layer break & other non-seamless cells
- FEATURE: Finish implementation of Emulation Macro
- FEATURE: Numeric key input beyond "9"
- FEATURE: Further improvements to stream QC

KNOWN ISSUES

- Audio output fails with receivers that do not support professional AES3. Javelin is exploring options for mitigating this issue.
- Certain situations where a parental warning card aspect ratio is incorrect

FEATURE REQUESTS

Active:
- Immediate subs off
- Layer break simulation

Pending further R & D:
- Add a code Window or Command Log (the scrolling Code window as seen on the Panasonic emulator), when clicking on commands in this window it gives the GPRM and SPRM values
- Add button draw reveal (When selecting 'HL Info' on the Program Scroll, it gives a view of the button draws in a separate window)
- Current layer indicator
- Running time in menu space
- Resync regardless of UOPs
- UOP circumvention
- Muxrate indicator
- Markers anywhere

SEE THE PHOENIX EQUIPMENT GUIDE FOR SYSTEM REQUIREMENTS

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