Release Notes—VTR Xchange Version 3 Universal Binary

New Features

- **Universal Binary support:** Universal Binary is Apple's designation for a release that works with either PowerPC computers or the newer Intel computers.
- **Capture and Record frame calibration settings now have sub-frame precision**. The settings actually control the relative video frame and phase within that frame, where movie capture or playback begins. In most applications full integers such as +1, +2, -1, etc. will prove to be accurate. If you have been using a previous version of VTR Xchange, you will likely need to determine new calibration numbers. *Note:* The AJA Io products do not support sub-frame calibration. To emphasize the fact that the Io does not support sub-frame precision for record and capture calibration, the calibration sliders stop only on integral frames when no Kona is present. If you have both a Kona and an Io installed, the calibration sliders will stop on sub-frames but when capturing/recording to an Io, the fractional part of the calibration setting is ignored.
- **Added single frame "grab" and "grab now" functions**. New buttons in the interface support grabbing Photo-JPEG, TGA and TIFF files. (See VTR Xchange Manual for more details under the "Frame Grabbing" heading.)
- **Added support for assigning RP-188 timecode values to captured clips**. This function works if RP-188 is present for an HD-SDI signal (see VTR Xchange Manual for more details under the "Preferences" heading). Additional details on changes to controlled and non-controlled captures follow below:

Reel name
All captured movies, including reference movies, whether captured "now" or with deck control, now contain a timecode track. Since a clip's reel name is stored in the timecode track, all captured movies now contain a reel name.

Clip Timecode
Since all clips now have timecode, what is the source of the timecode? They may have been captured with or without deck control—or with or without RP-188 being present. For a "capture now", the timecode will be either RP-188 or zero, if no RP-188 is present. For a controlled capture, with no RP-188 present, the timecode will be the in-point of the capture. If RP-188 is present, the timecode will depend on the setting of the "Preferred clip timecode source" popup in the preferences window.

Here is a summary:

Type of Capture	Deck Control	RP-188 Present	Preferred TC source	Clip Timecode
Controlled capture	Yes	No	n/a	Deck
Controlled capture	Yes	Yes	Deck	Deck
Controlled capture	Yes	Yes	RP-188	RP-188
Capture now	n/a	No	n/a	00:00:00:00
Capture now	n/a	Yes	n/a	RP-188

DPX files

The reel name is now put into the "Project Name" field of DPX files.

The RP-188 timecode, if present, is now put into the "Timecode" field of DPX files.

Improvements and Fixes

- Improved record/capture calibration code so that typical settings will be closer to 0.0 for both Kona and Io.
- The player window now displays the reel name of the clip.
- Added a "Loop Playback" item under the File menu.
- When running on an Intel Mac, Kona driver version 3.1 or greater is required for movies to play out through the Kona card.
- Movies captured from a 720p source no longer have their duration cut in half.