

## Vantage Timed Text Flip 7.2.3 ComponentPac Release Notes

### About This Release

This update includes the following:

- New features for Timed Text Flip
- Bug fixes for Timed Text Flip

### Installation

This ComponentPac update can be installed on Vantage systems running Vantage 7.2. *Please test this update in a lab environment before deploying in production.*

Secured Version Control App Note:

[http://www.telestream.net/pdfs/app-notes/app\\_Secured\\_Version\\_Control.pdf](http://www.telestream.net/pdfs/app-notes/app_Secured_Version_Control.pdf)

### New features since Timed Text Flip 7.2.2 / 7.1.11

- Added IMSC 1.1 output profile to TTML output, with support for Ruby and other Japanese text features such as text combine. (SUB-1139)
- Added support for reading Ruby and other Japanese text features from IMSC 1.1 TTML and iTT files. (SUB-1121, SUB-478)
- Added support for the DVB Teletext subtitle page type “Teletext page for hearing impaired people” as described in the DVB specification. (SUB-1112)
- Added Ripple Time Code offset feature to retiming filter. (SUB-1145)
- The DVB Subtitles output now has a Type parameter to set the type of DVB subtitles (normal vs. SDH for the hard of hearing) as well as the intended aspect ratio. (SUB-1044)
- Added Secondary font and font size/scale parameters to be used with certain input formats that support secondary subtitles, such as PAC. (SUB-886)

### Fixed in this Update

- Fixed decoding of Thai language PAC files. (SUB-1162, SUB-303)
- Fixed decoding of Vietnamese language 890 files. (SUB-1160)
- Fixed issue where using a retime rate of over 100% could sometimes cause truncated captions. (SUB-1159)

- Fixed issue where TTML output using the “Basic” profile could have duplicate line breaks. (SUB-923)
- Fixed issue where DVB Subtitles outputs were missing the language descriptor in the PMT. (SUB-1041)
- Fixed issue where using Hebrew 890 input files produced outputs that did not match other software when the first line of the subtitle started with a number. (SUB-999, SUB-1099)

## Known Issues in This Release

*The following are known issues in this release, which may be fixed in a future Vantage or Vantage component release:*

### SUB-927

When encoding Teletext, the maximum number of characters per line is 35 (when double height mode is enabled) or 36 (double height mode disabled). Subtitle sources with more than this number of characters will encode to Teletext but lines of text that are too long will be truncated.

### SUB-879

Some customer supplied MXF files are failing to output Same as Source with the error message “Argument out of range. output associated with stream sameAsSourceVideo failed to write”.

### SUB-614

When outputting SRT, some timecode results are different from MacCaption SRT files.

### SUB-794

When rendering Arabic text to a subtitle overlay, ensure you select a font that supports all Arabic characters. Some fonts (e.g. "Arial") may not support all Arabic characters correctly.

### SUB-805

Certain customer-provided transport streams containing DVB Subtitles are failing to read as an input source in this version of Timed Text Flip.

### SUB-747

Converting certain source files such as Spruce STL input to an EBU-STL output may fail with an error in the subtitle converter. This is because EBU-STL output only supports certain exact frame rates which may be different from what is contained in the source file. Workaround: Enable the Frame Rate Conversion filter and set the EBU-STL output to the desired frame rate (typically 25.0 or 29.97).

### DVB Subtitle Output – General issues

Certain combinations of settings such as high resolution (greater than 720x576), high color depth (greater than 16), or certain font effects such as large font size, drop shadow, etc. can cause DVB subtitles to exceed the bitrate that will fit into the final transport stream after muxing with video & audio in IPTV. Care should be used to select settings that do not exceed the available bitrate in the stream.

## SUB-514

When converting closed captions to EBU-STL or Teletext, and the source closed captions contain paint-on or roll-up sections, the output will attempt to emulate the original effect. If this is not the desired result, the caption sources should be converted to pop-on captions using a caption authoring tool such as CaptionMaker or MacCaption.

## SUB-547

If a specific font is selected for the Font setting in Subtitle Overlay, and that font is not available for use on a node, the job is expected to fail. However, on Windows Server 2016 we observed that the job may hang instead. Using -> Control Panel -> Appearance and Personalization -> Fonts -> Download fonts for all languages -> Now the workflow completes jobs without hanging.

## SUB-563

Can't decode Teletext from a Media Input and output to TTML SMPTE-TT 2052 profile

Workarounds: Select IMSC 1.0 profile instead, or, use a two-step process to output SMPTE 2052: TT Flip action with Media input to TTML output (IMSC1 profile), followed by another TT Flip action with TTML input to TTML output (SMPTE 2052 profile).

## SUB-564

Can't decode Teletext from a Media Input and output to SCC or MCC

Workaround: To convert from a Media source with embedded Teletext to SCC or MCC output, use a two-step process: Create one TT Flip action with a Media input and a TTML output (set to read a Teletext page as the source channel), then, create a second TT Flip action with a TTML input and a SCC or MCC output.

## SUB-458

Converting Lambda CAP to TTML combines two vertical text regions into one text line. Workaround:

Does not occur when using TTML profiles IMSC 1.0 or iTT (which both support vertical regions properly).

Only an issue when using Default/Basic TTML profile which do not support vertical text anyway.

## SUB-451

Attempting to create UHD or 4K DVB ts results in 'Argument out of range error'.

## SUB-449

Overlay text extends outside the text box in several character sets.

## SUB-440

Some PAC files cause intermittent job failures when the wrong language is selected going to Subtitle Overlays.

## SUB-438

Japanese italics text layout issues on certain input Lambda .cap files containing italics.

## SUB-428

Some PAC files cause job failures when the wrong language is selected going to DVB Subtitles.

## SUB-423 / SUB-461

Captions with complex wipes produce unusable DVB outputs not compatible with IPTV. DVB subtitle streams with peak bitrates significantly higher than the maximum 400kbps will trigger buffer errors on mux. Users may choose to generate potentially non-compliant transport stream files by disabling the option to "Treat Buffer Underflows/Overflows as Errors".

## SUB-415

Timed Text font scales outside the title safe background box when scaling font to 200% or greater.

## SUB-396

Timed Text: TTML source job may fail if the 4 line limit for CEA-608 captions is exceeded.

## SUB-232

When using a source that specifies background boxes by default (e.g. closed captions), if you change the font to one that draws larger than the default monospace font, parts of some characters may be drawn extending outside of the background boxes. Suggested workaround: When using a source that specifies background boxes by default and you override the font, you should also enable the "Background Color Override" checkbox and specify the desired background color and opacity. This will resize the background boxes to better fit the specified font.

When using a source that contains paint-on or roll-up captions, and using a proportional font (e.g. Arial Black) without a font outline override and without a background color override specified, you may notice the text characters shift positions slightly from one frame to the next. Suggested workaround: When using a source that contains paint-on or roll-up captions, use the default monospace font (e.g. Courier New). Or, if you must specify a different font, you should also enable the font outline override and set a non-zero font outline size.

## SUB-225

Some .GXF files may contain non-supported caption encoding that will result in garbled captions during timed text extraction from input Media.

## SUB-178

Subtitle Overlay output does not export non-square pixel resolutions such as 1440x1080. Must export full raster 1920x1080 and down convert.

## SUB-159

Currently, input media in .LXF containers are not supported in Same as Source outputs for caption data insertion.