

WVR7100 Waveform Rasterizer Release Notes

This document describes known issues with the WVR7100 Waveform Rasterizer (Software Version 1.0).

Known Issues and Behaviors

Web Browser The Web browser applet will not resize when running in some versions of the Netscape browser *and* in some non-Windows Operating Systems (for example, Solaris).

SDI Video Session Under certain conditions, an SDI video session reports ANC data present if Embedded Audio or EDH are present.

Sweep MAG When in two-line mode, waveform displays of SD or composite inputs will display invalid information at the left and/or right side of screen (beginning and/or end of sweep) when Sweep MAG is on. HD formats are unaffected.

Screen Captures Under certain conditions, a screen capture from the Web Browser results in a misplaced line at the end of the frame.

MEASURE SELECT: PICT
DISPLAY: FULL
SDI Input Format: 1080i 59.94
Picture Frame On (in pop-up menu)
Issue: Executing a screen capture from the Web Browser results in a misplaced line in the full-frame picture.

Audio Status There are three issues related to Audio status:

1. Audio status clip values can vary between different Waveform Rasterizer units.
2. Sometimes changing the Video-to-Audio map setting to Embedded does not update the input status line in the audio display. Switching to a different audio input and then switching back updates the audio display to reflect that mapping is set to Embedded.
3. The Alarm Status screen shows an *Embedded Audio Buffer Empty* error when:
 - a HD input is applied with an audio group missing



- the Embedded Audio Buffer Full and Empty alarms are enabled

Ext. Reference

There are several issues related to operation when using an external reference:

1. Sometimes loss of the External Reference signal does not make the resulting loss of lock obvious. For example, for a 525 input with NTSC ref and EXT REF selected, removing the external reference signal leaves the waveform stable but shifted on screen.

Note that the SDI Input Readout can be used to determine whether the waveform is locked or not.

2. When in SDI mode, but with no SDI input signal present, the screen displays Ref: Ext Unlocked event though a valid External Reference signal is connected.
3. The following External Reference signal formats are not fully supported when in line select mode or in Sweep MAG mode. Although not supported, these formats may be somewhat functional and are not locked out.
 - 720p 23.98, 720p 29.97, 1080p 29.97, 1080sf 29.97, 720p 24, 720p 30, 1080p 23, 1080sf 30, 720p 25, 1080p 25, and 1080sf 25
 - 1080p 23.98 and 1080sf23.98, with the following SDI input formats: 720p 29.97 Hz, 1080p 29.97 Hz, 1080sf 29.97 Hz, 1035i 59.94 Hz, 1080i 59.94 Hz, and 483i 59.94 Hz
 - 1080p 24 and 1080sf 24, with the following SDI input formats: 720p 30 Hz, 1080p 30 Hz, 1080sf 30 Hz, 1035i 60 Hz, and 1080i 60 Hz
4. The following External Reference signal formats do not display waveforms when using Sweep MAG mode with an SDI input of 720p 23.98 or 720p 24:
 - 720p 23.98
 - 720p 24
 - 720p 29.97
 - 720p 30
 - 720p 60
 - 720p 59.94
 - 1080p 23.98
 - 1080p 24
 - 1080i 59.94
 - 1080i 60

To work around this limitation, turn off External Reference, or set External Reference to use the NTSC or 1080sF 23.98/24 Reference.

5. With some combinations of SDI input and External Reference formats, the sweep stops prematurely when Sweep MAG is on in one-line mode. To work around this limitation, turn off EXT REF to make the measurement.

Display Distortion

The WVR7100 does not aspect-ratio correct the audio phase display under the following conditions:

- The WVR7100 is using 16X9 VGA monitor
- Audio Display is selected and set to display the Phase as a Lissajous pattern

Under these conditions, the X-Y Lissajous axes of the Lissajous display are not 90 degrees apart and the Lissajous waveform is stretched somewhat horizontally.

Quick Start User Manual

Step 9 of the *Incoming Inspection* procedure verifies for a pulse-width reading “Vsync rate : Width = 63 μ s.” The verification should be for a reading “Vsync rate : Width = 62.5 μ s.”

WVRRFP

A 100 ft. cable, Tektronix part number 012-1682-00, is available for use the the WVR RFP (remote front panel).

