TSOVu^{TM} Customer Release Notes

Version: 1.0
Last Revised: August 18, 2020
Product: This software supports TSO 8 Series products

Description

TSOVu is a PC software application for operating a TSO820 equivalent time oscilloscope mainframe. This release supports a mainframe with any of the following modules installed:
- TSO8C17
- TSO8C18

TSOVu can also be run without a mainframe; in that mode it can be used to support reading and processing of stored waveforms.

Version 1.0 Release Description

V1.0
Initial release of TSOVu. Included in the release are: • TSOVu base application. • Pulse measurement plugin • PAM4 measurement plugin (License required)

PC System Requirements

Install TSOVu on a PC with the following specifications.

Item	Requirement
Operating System	Microsoft® Windows 10, 64-bit
CPU	Recommended: AMD Ryzen 7 or Intel i7 class CPU with 4 core / 8 thread. Minimum: AMD Ryzen 5 or Intel i5 w/ hyperthreading
Memory	16 GB recommended
Disk	256 GB SSD or more
Networking	1 Gigabit Ethernet wired

Other Software Requirements

You must install MATLAB® Compiler Runtime version 9.3 on to the host PC. Go to MathWorks (www.mathworks.com/products/compiler/matlab-runtime.html) to download and install it.

Product Upgrades

From time to time Tektronix releases new versions of the product software or optional application software. Customers can download these from the Tektronix web site at www.tek.com/oscilloscope.

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Known Issues

The following list contains information on the functions associated with this software release. The current version has the following known issues and workarounds:

Identifier	AP-7427
Headline	Acquisition count cleared when changing vertical scale
Description	Changing vertical scale resets acquisition count and clears accumulated data.
Workaround	Change settings before starting acquisition.
	The problem will be addressed in the next release.

Identifier	AP-7340
Headline	Incorrect histogram on live acquisition with nonzero position when toggling Horizontal->Pattern Sync mode
Description	Acquire signal with Pattern Sync ON and enable histogram. Then switch off pattern sync. Notice that histogram display and statistics are incorrect.
Workaround	Workaround is to remove the old histogram and add a new histogram after changing pattern sync mode.
	The problem will be addressed in the next release.

Identifier	AP-7282
Headline	Recalled Pattern Sync Off waveform not re-rendered when vertical position is changed
Description	If we save a Pattern Sync Off waveform with zero position, recall it and change position to a non-zero value, then the waveform does not move on the Waveform Display.
Workaround	This issue is a display issue only and does not affect measurements or histogram results.
	The problem will be addressed in the next release.

Identifier	AP-7578
Headline	Recall Waveform Returning Early from *OPC?
Description	*OPC? returns before the recalled waveform is in the system.
Workaround	This affects PI users that use *OPC? as an indication to when recall complete. Workaround is to add 4 seconds of delay before accessing the waveform.
	The problem will be addressed in the next release.

Identifier	AP-7528
Headline	When Pattern Sync is OFF with variable persistence enabled, the histogram #wfms goes beyond the user input variable persistence value
Description	When Pattern Sync is OFF with variable persistence, the histogram #wfms count exceeds the variable persistence setting.

Workaround	Histogram result is correct because it is calculated on the persisted waveform data.
	The problem will be addressed in the next release.

Identifier	AP-7443
Headline	Histogram don't work with persistence turned off
Description	Histograms don't work when Pattern Sync is OFF with data persistence turned off.
Workaround	Work around is to enable data persistence.
	The problem will be addressed in the next release.

Identifier	AP-7951
Headline	Histogram don't work with persistence turned off
Description	Currently the system doesn't have an explicit command to restart a long acquisition-in-progress.
Workaround	Work around is to change acquisition setting to force a restart. If a guarantee of a restart of a long acquisition is needed, then e.g. toggle the Horizontal->Pattern Sync Mode (either from Pattern Sync to On and then back to Off, or vice versa).
	The problem will be addressed in the next release.