
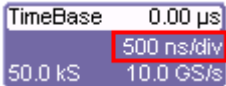


X-Stream Oscilloscope Version 4.4.0 Release Notes for WaveMaster, SDA, DDA, WavePro, WaveRunner, and WaveSurfer Series Scopes

September 2005

Product	New Feature	Enhancement	Behavior Change	Item	Description
All X-Stream Scopes			x	probe disconnect	Unplugging a probe at the front panel will no longer cause a reset of the sweep count and accumulated statistics.
			x	creating folders in Windows Explorer	When saving setups and waveforms, if you elect to exit the scope application to work directly in Windows Explorer, any folders that you create in Explorer will be consistently recognized by the scope application.
		x		Sequence mode partial acquisition	Once a single acquisition has started, you can interrupt the acquisition at any time by pressing the SINGLE front panel button a second time. In this case, the segments already acquired will be retained in memory. Also, the number of segments acquired will be displayed in the message line at the bottom of the screen. 
			x	gain changes affecting skew	The change in skew that could sometimes be seen between channels when the gain was changed will no longer occur.
			x	continuous pass/fail counting after removal of signal	When measuring the skew between two pulses, then removing the signal, it was possible for the pass/fail counter to continue counting. This has been corrected.
			x	sluggish remote control operation	Slow execution of remote commands caused by a memory leak when the grid is changed remotely has been corrected.
			x	driver installation hang-ups	If you unintentionally select Cancel during the driver installation portion of a software update, this will no longer cause the scope to fail subsequent attempts to install drivers.
			x	MATLAB memory leak	MATLAB scripts could result in "out of memory" error messages. This has been corrected.

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WaveRunner 6000A Series			x	displayed timebase value mismatch	The timebase value shown in the “Acquisition” status dialog now consistently matches that shown in the timebase descriptor label. 
			x	AP011 probe connected to EXT input	Connecting an AP011 probe to the EXT input will no longer cause a scope failure.
			x	spurious “Event Log Full” error message	For long timebase settings, it was possible for the scope to generate false error messages or to fail to complete an acquisition. This has been corrected.
			x	incorrect appearance of sample rate value in descriptor label	Due to a screen resolution issue, it was possible for the sample rate displayed in the Timebase descriptor label to appear incorrect. This has been corrected.
			x	negative slope triggering for line input	When Line is selected as the trigger source in the “Trigger” dialog, Negative slope also can now be selected for the trigger point.
WaveSurfer 400 Series			x	halted triggering	When a WaveSurfer was left triggering for prolonged periods (> 1 h), it was possible for triggering to be halted and the message “Waiting for trigger” to be displayed. This is no longer the case.
SDA		x		clock jitter filtering	Jitter filtering is now available from the “Clock” setup dialog.
		x		exporting persistence traces	Traces in which persistence is enabled can now be saved also.
			x	misapplication of clock and data level values	When an eye diagram using an external clock is generated, the clock crossing level is now applied instead of the data crossing level.
			x	negative eye height value in transition eye mode	On occasion, it was possible for the SDA to report a negative value for eye height when operating in transition mode. This has been corrected.
SDA 11000			x	AP1M attenuation in non-DBI mode	When operated in 6 GHz mode using an AP1M Hi-Z adapter, the SDA 11000 will now report the correct amplitude and attenuation.
			x	incorrect mode after power-up	On rare occasions, it was possible for channels to be in the wrong mode of operation (6 GHz vs. 11 GHz), requiring a manual reset. This has been corrected.
DDA 5005A			x	external trigger	The DDA 5005A now triggers reliably when Ext. trigger is used.
MS-32			x	digital triggering in Normal mode	When digital triggering is selected, holdoff will now be automatically set to Off instead of Time , and the trigger type to Edge . This will allow triggering regardless of the trigger mode selected.
ENET		x		advisory regarding too many traces displayed	If there are eight traces displayed (the limit), and you attempt to display a ninth, a message will appear advising you to turn off a non-ENET trace before continuing the test.

Product	New Feature	Enhancement	Behavior Change	Item	Description
USB2		x		updated upper limit in Suspend -> Reset Timing test instruction	The upper limit has been increased to 6 ms in keeping with recent changes to <i>USB-IF USB 2.0 Electrical Test Specification</i> , Section 7.1.7.5.
		x		inrush current report	Report generation capability has been restored to the inrush current test.

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