X-Stream Oscilloscope Version 5.0.4 Release Notes

February 2007

Product	New Feature	Enhancement	Behavior Change	Item	Description
WaveMaster Series WavePro 7000 Series WaveRunner 6000 Series SDA DDA			x	scope hang-ups in State trigger mode	Recalling the scope default setup, then changing the trigger mode to State with qualifier conditions could cause the scope to hang. This has been corrected.
WaveRunner Xi WaveSurfer Xs			x	trigger and channel coupling	When AC channel coupling was selected, DC trigger coupling was not always disabled, and vice versa. This could prevent triggering outside a range of -150 mV to +150 mV. Now when AC channel coupling is selected, DC trigger coupling is automatically disabled. When DC channel coupling is selected, AC trigger coupling is automatically disabled.
			x	custom video triggering	When interlacing was set to 1:1 in Custom video trigger mode, it was not always possible to trigger on "any" line as would be expected. This has been corrected.
WaveRunner Xi			x	Sequence mode timeout	When operating in Sequence mode and Auto trigger mode, it was possible for the scope to wait indefinitely for an unforthcoming segment. A timeout condition now takes precedence.
			x	crashes caused by changing sampling rate	On occasion, it was possible for the scope to hang when the sampling rate was changed, depending on the max. memory setting. This has been corrected.
WaveSurfer Xs			x	ET-PMT test failures	It was possible for E1 tests to cause scope crashes due to the software attempting to combine channels. This has been corrected.
	x			interleaving of channels	Automatic interleaving of channels has been added to WS104Xs models.
			x	undisplayed trigger level field	The field in which to set the trigger level was undisplayed at boot-up with channel 2 as trigger source. The trigger level field is now displayed at all times.
WaveRunner 6000 Series			x	Roll mode and Auto trigger mode	With the sampling mode set to Roll, and the trigger mode set to Auto, it was possible for the scope to continually re-arm (as in Normal trigger mode), and for the Trigger descriptor label to report only "Auto." This has been corrected.

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CANbus TD, TDM, VBA			x	false "Toggle ACK" error message	This error message was inappropriately issued when no trigger couplers were, in fact, present. The absence of trigger couplers is now correctly taken into account.
VBA			x	CAN measurements with Decoder source	Certain CAN measurements with Decoder as the source could cause the scope to crash. This has been corrected.
			x	display of Trigger dialog	When accessed by means of the front panel trigger **SETUP** button, on occasion the CAN trigger setup dialog could fail to open. This has been corrected.
		x		Symbolic/Hex mode buttons	Buttons to select Symbolic or Hex trigger modes are now prominently displayed in the Vehicle Bus Analyzer dialog.
			x	Symbolic vs. Hex tab display	On occasion, switching from Symbolic to Hex mode did not change the dialog tab display accordingly, although the trace display would update correctly. This has been corrected.
CANbus TD, TDM			x	CAN trigger source selection	When a CANbus TD trigger module is connected to a channel, the CAN source will now be included in the "Trigger Source" menu.
MS-32	x			MS-32 option	The MS-32 mixed-signal option is now available for WSXs scopes.