

## X-Stream DSO Version 3.8 Release Notes

|  | New Feature | Enhancement | Software Correction             | ITEM   | DESCRIPTION  |
|--|-------------|-------------|---------------------------------|--|--|
| <i>WaveMaster</i><br><br><i>WavePro 7000 Series</i><br><br><i>WaveRunner 6000 Series</i><br><br><i>WaveSurfer 400 Series</i><br><br><i>DDA</i><br><i>SDA</i> |             | x           |                                 | remote control performance   | The speed of execution of waveform and parameter readout over remote connection has been greatly enhanced.   |
|  |             | x           |                                 | knob acceleration  | Front panel knob controlled operations have been improved.   |
|  |             |             | x                               | PECS command   | The long form of this command (PER_CURSOR_SET) now operates properly.  |
|  |             |             | x                               | ADP305 probe   | This probe now performs properly when connected to the EXT scope input.  |
|  |             |             | x                               | screen saver and front panel controls  | Pressing a front panel button or turning a knob will now consistently restore the scope display.   |
|  |             |             | x                               | remote query of invalid waveform   | Sending WF? in the case of a waveform with no data now responds consistently.  |
|  |             |             | x                               | Autosetup error messages   | On occasion, pressing the <b>AUTOSETUP</b> front panel button could produce spurious error messages. This problem has been corrected.  |
|  |             | x           | Autosetup and pass/fail testing | The Autosetup function did not always work when pass/fail testing was enabled. |  |
| <i>WaveMaster</i><br><br><i>WavePro 7000 Series</i><br><br><i>WaveRunner 6000 Series</i><br><br><i>DDA</i><br><i>SDA</i>                                     | x           |             |                                 | video trigger option   | In this release, LeCroy proudly introduces the VT75 software and hardware TV trigger package. VT75 provides stable triggering on standard or custom composite video signals. Details of this option will be posted at <a href="http://www.lecroy.com">www.lecroy.com</a> . |
|  |             | x           |                                 | HS-488 mode  | LeCroy X-Stream scopes now support high-speed transmission of remote commands.   |
|  |             | x           |                                 | pass/fail testing  | When the ANY condition is selected for pass/fail testing, invalid parameters will be ignored.  |
|  |             |             | x                               | cursor range and SDM mode  | When you exit SDM mode, the range of cursor movement is no longer limited.   |
|  |             |             | x                               | overload condition and loss of data  | An overload condition, whereby the coupling automatically switches to ground, will no longer cause a loss of acquisition data.   |

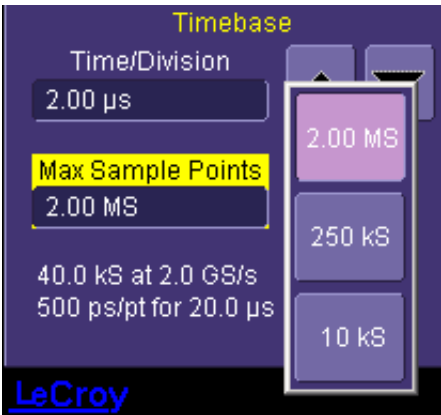
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## X-Stream DSO Version 3.8 Release Notes (Continued)

|                               | New Feature | Enhancement | Software Correction | ITEM                               | DESCRIPTION  |
|-------------------------------|-------------|-------------|---------------------|------------------------------------|--|
| <i>WaveMaster</i>             |             |             | x                   | FFT computation on > 200 pts       | Intermittently the scope would not compute an FFT on more than 200 pts. This problem has been corrected.   |
| <i>WaveRunner 6000 Series</i> |             |             | x                   | PP090 probe                        | When a PP090 probe is connected to a Waverunner 6000 series scope, the correct max. gain will now be calculated.   |
| <i>SDA</i>                    |             | x           |                     | jitter setup wizard                | All LeCroy SDA models now offer an SDA Jitter Setup Wizard to simplify jitter measurements.  |
|                               |             |             | x                   | incorrect measurements in BER mode | When a fixed pattern was used, incorrect BER results could be produced. The pattern length has been greatly expanded to preclude these occurrences.  |
|                               |             |             | x                   | qualified parameters               | If acceptance criterion was set to <b>Values In Range</b> , it was possible that measurement values would not be displayed if the source for <b>Values Based on Waveform State</b> was empty, even though this latter criterion was disabled. Measurement values will now be consistently displayed regardless of the state of <b>Values Based on Waveform State</b> . |
|                               |             |             | x                   | clipping of mask                   | Extending the top and bottom of the mask could distort the mask. This is no longer so.   |
|                               |             | x           |                     | Deskew adjustment                  | A <b>Deskew</b> adjustment was added for DVI/HDMI measurements.  |

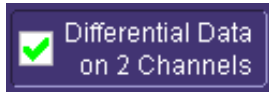

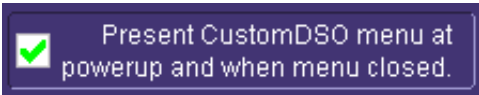
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|                          | New Feature | Enhancement | Software Correction | ITEM                                  | DESCRIPTION  |
|--------------------------|-------------|-------------|---------------------|---------------------------------------|--|
| WaveSurfer<br>400 Series |             | x           |                     | interpolation of waveforms            | Linear and (sinx)/x interpolation have been added to the Vertical Adjust setup dialog.   |
|                          |             | x           |                     | memory length option                  | You now have the option to select the number of points in your acquisition:<br> |
|                          |             | x           |                     | auto Roll mode                        | The behavior of this feature has been improved.  |
|                          |             |             | x                   | TRSE remote command                   | Misinterpretation of field and line arguments in the TRIG_SELECT command was corrected.  |
|                          |             |             | x                   | scaling of trigger level              | The trigger level is now correctly scaled when the probe attenuation changes.  |
|                          |             |             | x                   | Date/Time display                     | When a non-Latin language was selected, the Date/Time display could contain incorrect characters. This has been corrected.   |
|                          |             |             | x                   | EXT probe on 2-channel scopes         | A probe connected to the EXT input will now be detected at startup.  |
|                          |             |             | x                   | frequency cursor on Envelope waveform | Formerly, a frequency cursor with units of time could be placed on an Envelope math waveform. This has been corrected.   |
|                          |             |             | x                   | unstable 50 Hz auto triggering        | Trigger instability on 50 Hz signals in Auto mode has been corrected.  |
|                          |             |             | x                   | pass/fail averaging                   | Using pass/fail to selectively average waveforms did not always update the average correctly. This has been corrected.   |

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|  |             |             | x                   | persistence histogram and SDM  | The Phistogram math function could formerly cause a scope failure if SDM was present without the XMATH option.                                 |
|  |             |             | x                   | ISI plot update  | ISI plots did not update unless measurements were turned on. This is no longer the case.   |
|  |             |             | x                   | sign of $V_{TX-DE-RATIO}$  | The sign of this value was incorrectly reported as positive.   |
|  |             |             |                     | 100Base-T and 1000Base-T Mode 1 tests  | 100Base-T mask alignment was improved. The 1000Base-T mode 1 test has been modified to make use of an optional splitter:                       |
|  |             | x           |                     | <br> |  |
|  |             |             | x                   | undisplayed cursors  | Cursors will now be consistently displayed on CANbus TD traces when the ENET option is loaded also.  |
|  |             |             | x                   | error acknowledge  | The state of the <b>Ack</b> checkbox was not properly initialized at startup. This has been corrected.   |
|  |             | x           |                     | CustomDSO plug-ins   | Placing a check in the CustomDSO display option checkbox will now also cause the last active plug-in to be automatically reloaded at power-up: |
|  |             |             |                     |  |    |
|  |             | x           |                     | D300AT probe   | This probe now has an optional 50 MHz gain calibration.  |

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## X-Stream DSO Version 3.8 Release Notes (Continued)

|                         | New Feature | Enhancement | Software Correction | ITEM                           | DESCRIPTION  |
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| <i>HFP Probes</i>       |             | x           |                     | calibration of multiple probes | The speed of calibration when multiple HFP probes are connected to the scope has been improved.  |
| <i>OExxx Converters</i> |             |             | x                   | Extinction Ration parameter    | When an ER parameter is measured on a channel using an OExxx optical-to-electrical converter, the offset level for that channel will now automatically be set to zero. |
| <i>USB2</i>             |             |             | x                   | USB-IF test scripts            | To improve Full Speed Signal Quality testing, USB-IF test scripts have been modified to ignore the first bit.  |

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