

## Revision History

Date	Version	Revision
2018/09/20	6.1.26	<ol style="list-style-type: none"> <li>1. Added SCPI command to set up gated measurements and return the data.</li> <li>2. Customers can save the result of decode list table to a CSV file.</li> <li>3. Modified the color of FFT to match the trace selected.</li> <li>4. There are some times of quick calibration during warming up the SDS XE. Added a menu below Utility to disable the quick calibration so that the sampling isn't interrupted.</li> <li>5. Created software that converts binary waveform data to CSV. It can be downloaded from the embedded web server on the scope.</li> <li>6. Fixed the bug: "Screen Save" button on web page does not work with some browsers.</li> <li>7. Fixed the bug: The setting of Educational mode can't be saved after power off.</li> <li>8. Fixed a bug with MSO decoding. and the SLA1016 firmware also needs to be updated to 8.1.11.</li> <li>9. Fixed the bug: The binary block returned by the WAVEFORM command contains the length of the block in the "#9" header. This length is incorrect when the NP option of the WFSU command is used; the header then gives the memory depth instead of the actual size of the block.</li> <li>10. Fixed the bug of the scope response from the WAVEFORM command prefixes the binary block with the string "ALL," even when "CHDR OFF" is used.</li> <li>11. Added exiting the on-screen keyboard by OK button.</li> </ol>
2018/05/31	6.1.25R2	<ol style="list-style-type: none"> <li>1. Fixed the bug: Once the acquisition is stopped, the scope often can't find search events in other channels.</li> <li>2. Fixed the bug: In certain situations, the scope freezes when the Auto Setup button is pressed.</li> <li>3. Fixed the bug: The Pass/Fail mask is not correct at edge of screen left and right.</li> <li>4. Attenuation and invert indicator were added into the channel tab.</li> <li>5. Any arbitrary probe factor from 1e-6 to 1e6 can be set by universal knob.</li> <li>6. Got rid of suffix 'A' that stands for 'Acknowledge' from I2C decode.</li> </ol>

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		<ul style="list-style-type: none"> <li>7. Fixed the bug: The dedicated window for long I2C data sometime lose data at right edge.</li> <li>8. Fixed the bug: The decoder sometimes does not show any info.</li> <li>9. Fixed the bug: After updating to the last firmware and OS version, the remote panel/control interface can no longer be connected.</li> </ul>
2018/05/02	6.1.25R1	<ul style="list-style-type: none"> <li>1. Increased XY mode wave fresh speed</li> <li>2. Changed the displayed system information screen. From ADS version of 6.1.25R1, the info screen now shows 5 sections of software versions, including the OS version ID</li> <li>3. Optimized remote webpage screen update rate. Requires both OS and ADS update which are located on the SIGLENT product webpage.</li> <li>4. Add virtual control panel for PC and mobile terminals..</li> <li>5. Added SCPI commands for Math waveforms (except FFT) and digital channel waveforms (ADS version of SLA1016 should be <math>\geq 8.1.9</math>) See the SIGLENT product webpage for software updates.</li> <li>6. Added Digital Channel cursor support</li> <li>7. Optimized accuracy of horizontal measurement, especially when there are only a few samples in very small timebase</li> <li>8. The 'Link to Trigger' menu modified to 'Copy setting'</li> <li>9. Added ability to disable one direction of the full duplex encoders</li> <li>10. Fixed the bug related to displaying long IC2 decoded packets</li> <li>11. Fixed the bug: SDS1004X-E webpage update would sometimes fail</li> <li>12. Fixed the channel inversion bug when changing timebase from 1ms to 2ms</li> <li>13. Fixed the bug: Unreadable digital system information</li> </ul>
2018/02/27	6.1.20R1	<ul style="list-style-type: none"> <li>1. Added Bode Plot support for all of Siglent's SDG instruments</li> <li>2. Fixed a bug in 6.1.20 which maybe cause the signal disappear after self-calibration for channels</li> </ul>
2018/02/01	6.1.20	<ul style="list-style-type: none"> <li>1. Add MSO/Logic functionality</li> <li>2. Added automatic vertical scale (volts/div) in Bode Plot mode</li> </ul>

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		<ol style="list-style-type: none"> <li>3. Added USB WiFi support</li> <li>4. Optimized the WiFi GUI</li> <li>5. Automatic Roll mode selection will be disabled if manually disabled once</li> <li>6. Renamed Runt-Trigger in German</li> <li>7. Fixed a bug in the I2C triggering system of 7 bit Address&amp; Data</li> <li>8. Improved Auto Setup function with 1K compensation output</li> <li>9. Improved waveform update when using sequence mode on long timebases</li> <li>10. Optimize self-calibration for channels</li> </ol>
2017/12/18	6.1.12R1	1. Modified Pass/Fail output pulse to 5us
2017/11/16	6.1.12	1. Initial formal release of SDS1004X-E

## Compatibility between Versions

Source Version	Object Version	Compatibility
6.1.25R2	6.1.26	Yes
6.1.25R1	6.1.26	Yes
6.1.20R1	6.1.26	Yes
6.1.20	6.1.26	Yes
6.1.12R1	6.1.26	Yes
6.1.12	6.1.26	Yes

## Update instructions

- ◆ Very important!  
Because 6.1.20R1 fixed a bug with self- calibration for each channel, immediately perform a self-calibration if the machine is updated to 6.1.20R1(or higher)