Revision Record

Date	Version	Revision
10/9/2019	0.8.7R1B1	1. Supported Power Analysis (optional) (Analysis | Power Analysis)
		2. Supported Bode Plot (Analysis | Bode Plot)
		3. Supported Totalizer (Analysis | Counter). Frequency and period parameters are moved from DVM to Counter
		4. Supported 2 math traces and formula editor
		5. Optimized FFT
		a) Optimized menu structure
		b) Supported peak and marker (Math | FFT | Tools)
		c) Supported setting max points (Math | FFT | Config)
		6. Measurement enhanced
		a) Optimized the UI. In the "Basic" tab the items can be customized (long pressing an item to add to or delete from Basic tab)
		b) Added items: Median, Cycle median, -Bwidth, Time@max, Time@min, 20-80%Rise, 80-20%Fall, +Area, -Area, Area, AbsArea, Cycles, Rising Edges, Falling Edges, Edges, PPulses, Npulses
		c) Supported statistics on maximum 12 parameters at the same time (M2);
		d) Optimized measurement accuracy of Rise/fall
		e) Supported Trend Plot of measurement items
		7. Optimized UX of knobs
		8. Set the default function of the universal knob as adjusting the trace intensity
		9. Optimized SPO display
		10. Supported moving the location of the decode buses vertically
		11. Supported single step back or forward in Navigator
		12. Added bandwidth limit indicator below 2.45mV/div (1GHz, 500MHz)/1mV/div(350MHz
		13. Supported Zone trigger in Sequence mode
		14. Added entry for Zone trigger in the right side trigger menu
		15. Mask Test: Supported failed history (Mask Test | Failure to History)
		16. Increased frequency setting digits of the AWG from 3 to 7
		17. After gesture control of the vertical gain, the v/div knob still is in the mode that has been used before with the gesture controls.
		18. UART/LIN decode/trigger: supported baud rate > 5Mb/s
		19. Reference position: Added user defined delay
		20. Optimized UI in Zoom mode
		21. Deleted the SCPI command which can start Telnet
		22. Supported tapping on zone/histogram region to open the

| Date	Version	Revision
		corresponding menu
		23. Fixed several bugs
4/9/2019	0.8.2R1	1. Supported search across history frames
		2. Optimized zone trigger and mask test accuracy in zoom mode;
		3. Supported editing a trigger zone after creating it
		4. Supported MIL-STD-1553B trigger
		5. Improved the input frequency upper limit of holdoff by event from 20 MHz to 120 MHz
		6. Solved the defect that the scope possibly does not trigger on the first edge of a burst train with carrier frequency above 120 MHz
		7. Added Reboot and Shutdown function under "Utility" top bar menu, so the instrument can be remotely rebooted and shutdown by web
		8. Supported saving the decode list as a CSV file
		9. Optimized response time of mask test when disabling/enabling it or changing the type
		10. Optimized webserver response when dragging a trace in vertical direction; Added alternative VNC port for webserver
		11. Added automatic clear of measurement statistics when changing horizontal/vertical/trigger settings
		12. Supported editing selected measurement parameter
		13. Fixed several bugs
		a) Cursors: Unexpected jump when changing horizontal settings
		14. Webserver: Incorrect mouse position with IE in full screen mode
2/25/2019	0.8.0R1B5	

Version Compatibility

| Source Version	Object Version	Compatibility
0.8.2R1	0.8.7R1B1	Tested
0.8.0R1B5	0.8.7R1B1	Tested
0.8.0R1B5	0.8.2R1	Tested

Upgrade Instructions

Upgrade from a U-disk (USB Memory device)

WARNING: DO NOT shut off the instrument until the update is completed.

1. Copy the update file (*.ads) to a FLASH type U-disk, and then insert the U-disk into one of the USB host ports of the instrument. The firmwares after x.x.0.8.0 support both NTFS and FAT32 format.

2. Press the Utility button on the front panel, and press "*System Setting* -> *Upgrade*". The following the menu should pop up and allow you to select the upgrade file
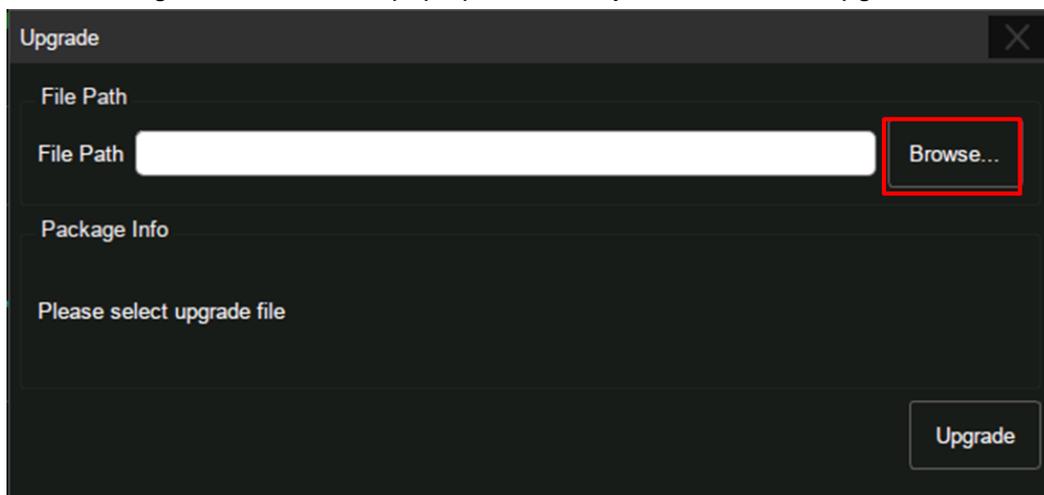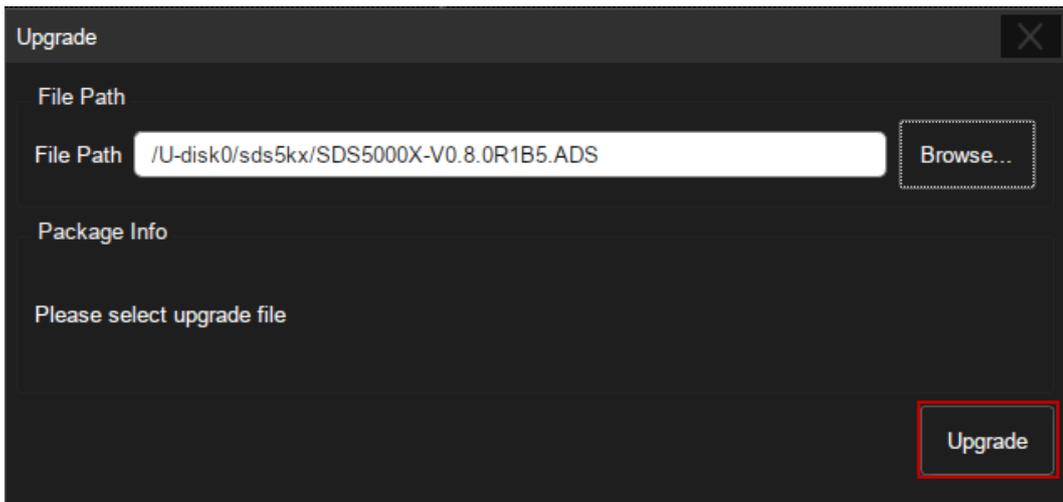

3. Click *Browse* in the menu above, and then select the correct update file (*.ads) in the pop-up resource manager
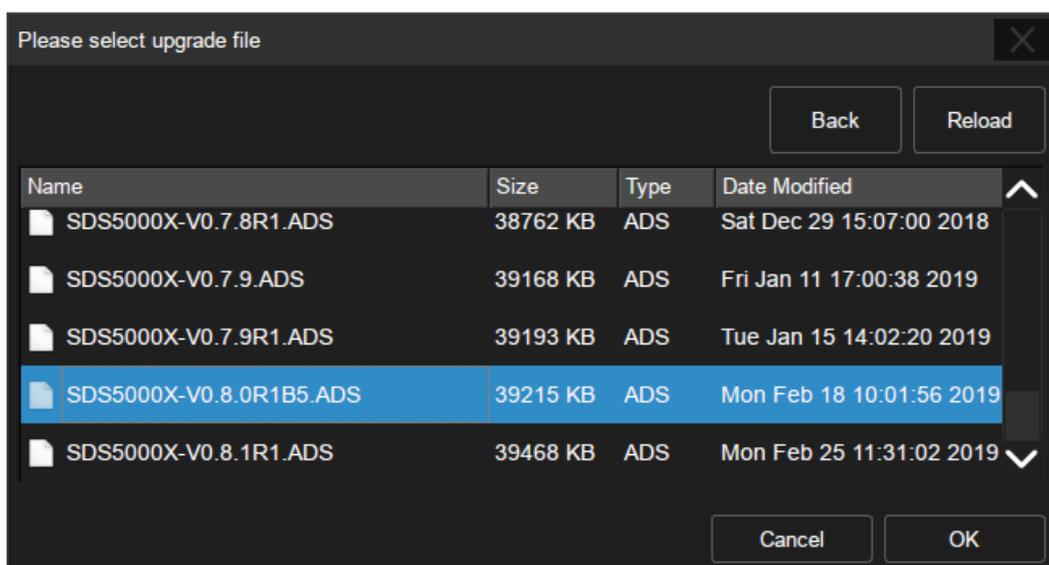
4. Click *OK* in the interface above and return to the upgrade dialog. Click *Upgrade* to

perform the upgrade operation:

5. The system will first copy and verify the upgrade package. After the upgrade package is validated, the following interface will appear. Click *Reboot* to continue the upgrade, or click *Cancel* to cancel it.
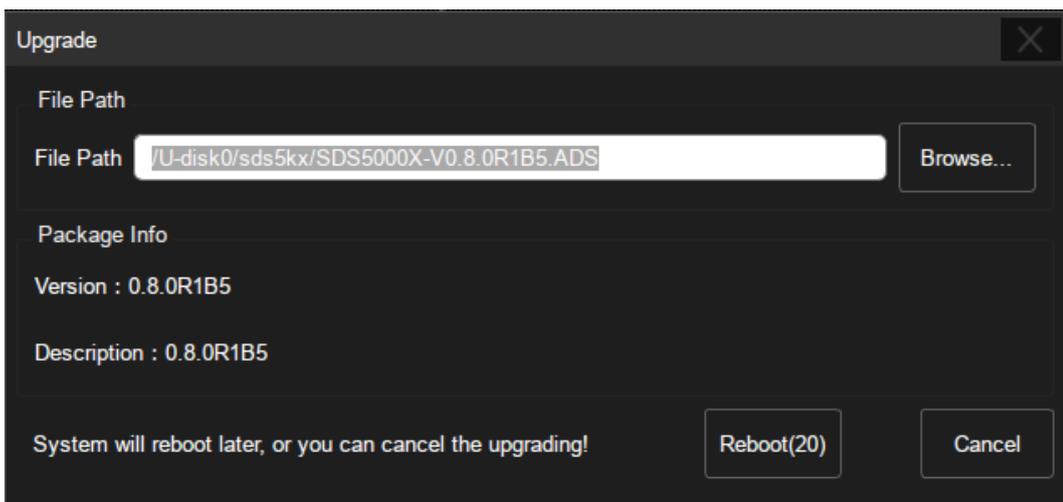

6. After the instrument reboots, check the version number through the Utility->*System Setting*->*System Status* to confirm if the upgrade is successful.

WARNING: DO NOT shut off the instrument until the update is completed.

Upgrade from the Web Server

A built-in web server provides an approach to control the instrument by web browser. This process doesn't require any additional software to be installed on the controlling computer. Set the LAN port correctly (see the User Manual for details), input the IP address of the instrument in the browser address bar, and then the user can browse and control the instrument on the web.
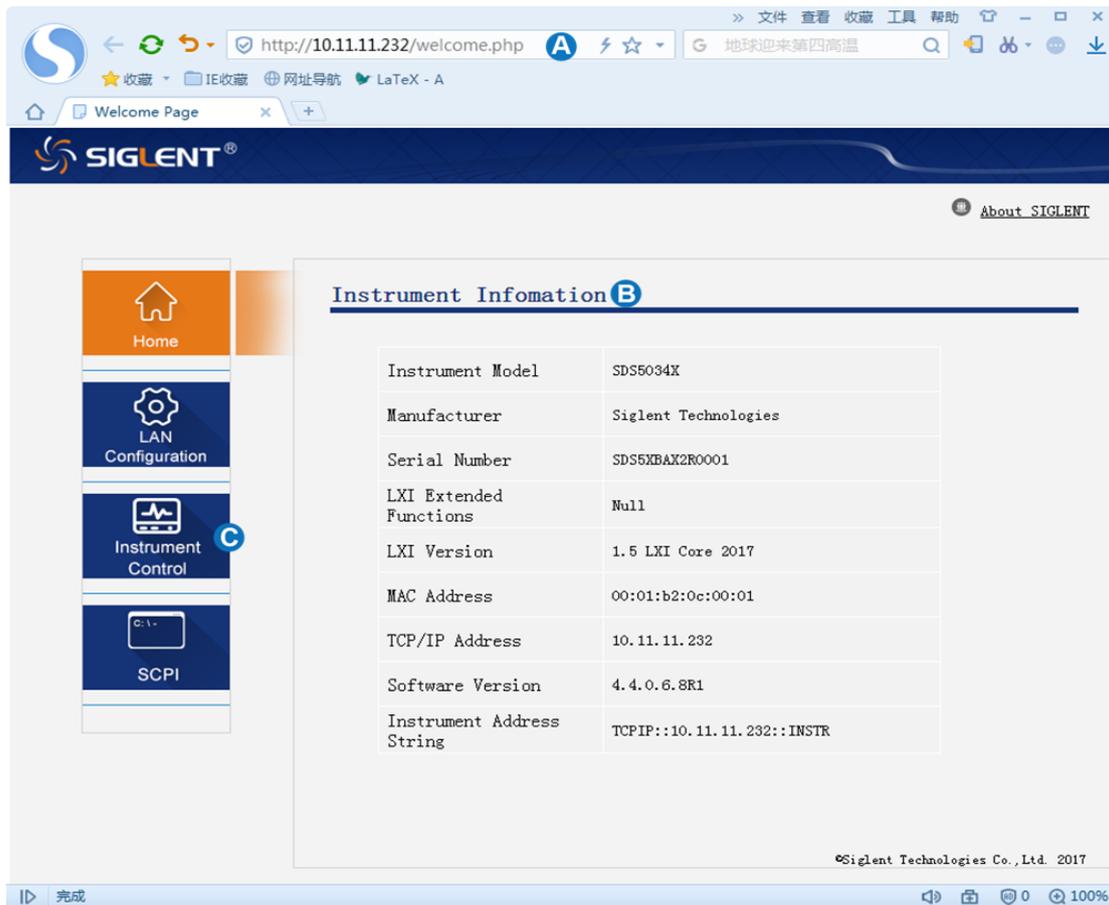
WARNING: DO NOT shut off the instrument until the update is completed.

1. Click the "FirmwareUpdate" button in the web interface

2. Select the correct update file (*.ads) stored on the computer. The instrument will automatically download the update file and perform the upgrade once the file is specified.

WARNING: DO NOT shut off the instrument until the update is completed.