Revision History

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Date	Version	Revision
2024/06/14	1.1.3.8	1. Optimize UI, change "on/off" to "On/Off".
		2. Solve the problem that some numbers from 200-223
		cannot be entered in the first byte of the IP address.
		3. Standard software functions of FG and LA.
2024/05/22	1.1.3.6	1. Solve the problem of trigger holdoff fails.
		2. Solve the problem of CAN decoding causing crashes with
		a small probability.
		3. Modify the kernel solve the problem that scpi cannot be
		used on a computer with keysight driver installed.
		4. Solve the problem of advanced trigger (Qualified, Nth
		Edge, Delay, Setup/Hold) parameters are not recalled.
		5. Solve the problem of delay trigger level setting error.
		6. Solve the problem of when the edge is set to Alternating,
		trigger jitter will occur when entering the other trigger
		type.
		7. Solve some known problems.
		8. Optimize waveform capture rate.
		9. Optimize self calibration speed.
		10. Optimize UI.
2024/01/02	1.1.3.1	1. Solve the problem of probe detection function fails.
		2. Solve the problem of abnormal display without triggering
		in Dots mode.
		3. Solve the problem of increasing the number of segments
		after opening multiple channels at a fixed sampling rate
		mode.
2023/09/23	1.1.0.2	1. Initial formal release of SDS1000X HD.

Compatibility between Versions

Source Version	Object Version	Compatibility	
1.1.3.6	1.1.3.8	Yes	
1.1.3.1	1.1.3.8	Yes	
1.1.0.2	1.1.3.8	Yes	
1.1.3.1	1.1.3.6	Yes	
1.1.0.2	1.1.3.6	Yes	
1.1.0.2	1.1.3.1	Yes	

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.
- 2. Perform " *Utility -> Menu -> Maintenance -> Upgrade*". The following the menu should pop up and allow you to select the upgrade file

Upgrade	X
File Path	
File Path	Browse
Package Info	
Please select upgrade file	
	Upgrade

3. Click *Browse* in the menu above, and then select the correct update file (*.ads) in the pop-up resource manager

	Plea	se sel	ect up	grade	file							
	<			ŵ	U-diskO >	SDS1000XHD					*.ADS;*.CFG	
	> =	💿 U-	disk0	(11.1)	G/14.8G)	Name	^	Size	Туре	Date Modified		
						SDS1000X-HD	_1.1.3.8.A	56.9 MB	ADS File	6/28/24 6:3	80 PM	
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	loca		1.8	G/1.9	IG 📘	1 items						
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4. Click the recall icon 4. Click the recall icon 4. Click the recall icon 4.

Click *Upgrade* to perform the upgrade operation:

Upgrade	Х
File Path /U-disk0/SDS1000XHD/SDS1000X-HD_1.1.3.8.ADS	Browse
Package Info Please select upgrade file	
	Upgrade

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.

Upgrade	X
File Path File Path /U-disk0/SDS1000XHD/SDS1000X-HD_1.1.3.8.ADS	Browse
Package Info	
System will reboot later, or you can cancel the upgrading!	Cancel

 After the instrument reboots, check the version number through the steps Utility -> Menu -> System Info to confirm if the upgrade is successful.

SDS1000X HD Firmware Revision History And Update Instructions

System Info	X
Software Version:	1.1.3.8
Uboot-OS Version:	5.5.12
FPGA Version:	2024-04-26
Hardware Version:	82
USB ID:	USB0::0xF4EC::0x1015::SDSEV82C800165::INSTR
Serial No. :	SDSEV82C800165
Model:	SDS1104X HD
MAC Address :	74 :5B :C5 :23 :4C :88
	Open Source Acknowledge

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.

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							<u>https://int.siglent.com/</u>
	錄 Utility 🖵	Display 히 Acquire	🏲 Trigger 🛛 🛱 Cur	rsors 📐 Measure	Math 🖻 Analy	vsis SIGLENT Auto f(C2) < 2.0Hz	
Home							System In
ر المار LAN							System Setting
Configuration	@ 						1/0
Instrument Control							Software Optic
C: \ -							Maintenance
SCPI	MEASURE		ROV(C1)	***	***	***	<
	Value	19.05202uV	***				
	Mean	19.4348681uV	***				
	Min	17.69374uV	***				
	Max Pk-Pk	25.95328uV 8.25954uV	***				
	Stdev	1.0989918uV	***				
	Count	2178	0				0
	C2 DC50 1X 500uV/ 20M 0.00V	<u> </u>				Timebase Trig 0.00s 20.0us/div Aut 400kpts 2.00GSa/s Edg	
	ScreenShot	Waveform(.bin) Save	Waveform(.csv) Save	FileConverter	FirmWareUpdate		Þ

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

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

Home Page	ScreenShot	Waveform Save	Bin_to_CSV_Tool	FirmWareUpdate
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 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.

