Revision Record

Date	Version	Revision
6/29/2024	1.2.2.9	1. Made Option 16LA Standard
		2. Measure: added new items time1 time4
		3. Fixed several bugs
		a) With low probability after start-up trace(s) not at Zero without
		input
		b) The color of "Math" LED not correct when F3 or F4 is activated
		c) Chinese Traditional font issue
		d) SMB connection fails when domain is used
		e) IP setting issue
		f) Scope dead when FW upgrade fails in the case that space at
		/local not enough
2023/10/10	1.2.2.5	1. Supported Memory traces: M1 ~ M4
		2. Math: supported 4 traces: F1~F4
		3. Decode: supported ARINC429
		4. Supported USB-GPIB adapter
		5. Fixed several bugs
		a) Incorrect time after reboot when time zone = Europe/Rome
2022/9/5	1.2.1.1	1. Math: filter supported
		2. Optimized knob acceleration
		3. Force trigger strategy changed
		4. Fixed several bugs
		a) Scope gets confused about time zone and time
		b) Digital Channels display bug with >5M memory
2022/7/19	1.2.0.2	Fixed some production issue. No functionality and performance difference
		between this release and 1.2.0.0. No need to upgrade to it if the version is
		already 1.2.0.0.
2022/4/26	1.2.0.0	1. Acquire: Supported Fixed Sample Rate and Fixed Memory Length
		modes.
		2. Optimized mouse lagging
		3. Fixed several bugs
		a) Digital Bus forgets position after reboot
		b) Digital Channel Trigger bug
		c) Digital channels show wrong data
		d) Pattern trigger "some stucking" with digital channels on
	1.1.8.0	1 st release

Version Compatibility

Source Version	Object Version	Compatibility
1.2.0.2	1.2.2.9	Tested
1.2.0.2	1.2.2.5	Tested
1.2.1.1	1.2.2.5	Tested
1.2.0.2	1.2.1.1	Tested
1.1.8.0	1.2.1.1	Tested
1.1.8.0	1.2.0.0	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.
- 2. Perform " *Utility* -> *Menu* -> *Maintenance* -> *Upgrade*". The following the menu should pop up and allow you to select the upgrade file

Upgrade		\times
File Path		
File Path	Browse	
Package Info		
Please select upgrade file		
	Upgrad	de

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

Please select upgrade file						\times
く 〉 へ	> SDS2000X HD				*.ADS;*.CFG	\sim
> 🚥 U-disk0 (12.2G/14.4G)	Name 🔨	Size	Туре	Date Modified		
	SDS2000X_HD_1.2.1.0_FP	39.8 MB	ADS File	13 Jul 2022 16:	37:04	
	1 items					
					á	
					Re	call



4. Click the recall icon 4. Click the recall icon 4. Click the recall icon 4.

Click Upgrade to perform the upgrade operation:

Upgrade	
File Path File Path /U-disk0/SDS2000X HD/SDS2000X_HD_1.2.1.0_FPGA_V20220708.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	
File Path File Path /U-disk0/SDS2000X HD/SDS2000X_HD_1.2.1.0_FPGA_V20220708.ADS	Browse
Package Info	
System will reboot later, or you can cancel the upgrading! Reboot(18)	Cancel

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





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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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→ C ▲ 不安全 10.1	1.14.169/Instrument	/novnc/vnc_auto.php					🖣 🖻 🖈 🔲 😩
	T®						
\land	ல Utility 다 c	Display 🕅 Acquire	🏲 Trigger 🛛 🛱 Curs	ors 📐 Measure	Math 🖾 Ana	Ilysis SIGLENT	https://int.siglent.com
کی Home							System In
LAN Configuration							System Setting
							I/O Software Optic
Control							Maintenance
SCPI	MEASURE Value	Stdev(C2) 19.05202uV	ROV(C1)				
	Mean Min Max	19.4348681uV 17.69374uV 25.95328uV	***			+	
	PK-PK Stdev Count	8.25954uv 1.0989918uV 2178	*** 0				٥
	C2 DC50 1X 500uV/ 20M 0.00V	<u> </u>				Timebase 0.00s 20.0us/div 400kpts 2.00GSa/s	Trigger C2DC v Auto 775uV 11 s Edge Rising 202
	ScreenShot	Waveform(.bin) Save	Waveform(.csv) Save	FileConverter	FirmWareUpdate		

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

 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.