


RELEASE NOTES

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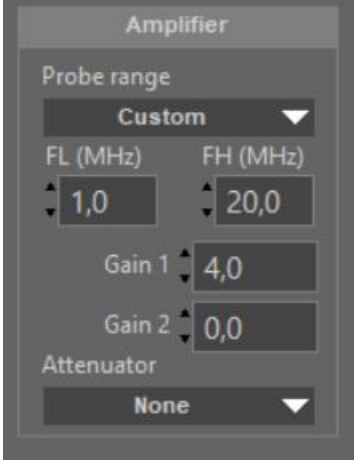
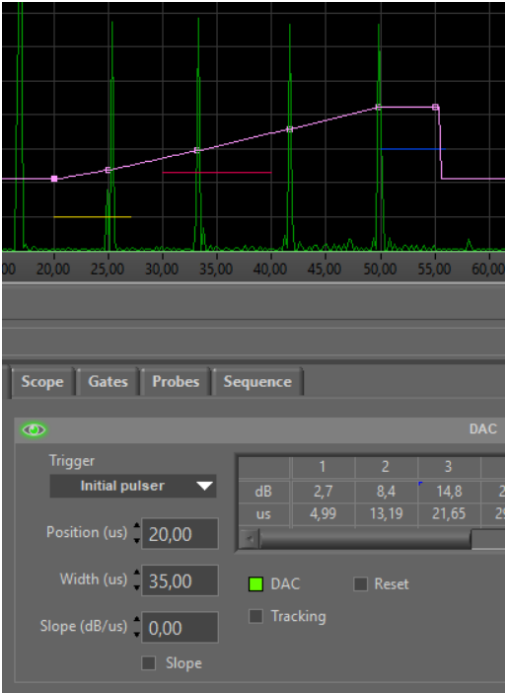
Software & firmware versions

Components		Versions
API software	4.0	
UTView_64.exe		
UTView_32.exe		
Configuration file		
UTView.ini	5.5	
Language files	2.6	
English.xml		
French.xml		
Library	10.0	
sidev_64.dll		
sidev_32.dll		
Additional programs	2.6.8	
SIPATOOLS_64.exe		
SIPATOOLS_32.exe		
Firmware		
Service	11.0	<u>Firmware for FAAST-PA :</u> frm_pa_211223.bin <u>Firmware for SOCO-SCAN & SOCO-SWIFT-PA :</u> frm_ssw_211223.bin frm_ssw_V2_211223.bin <u>Firmware for SOCO-X-UT :</u> frm_soco_211223.bin <u>Configuration files for all devices :</u> cfg_generic_180124.bin <u>Additional files for FAAST-PA :</u> cfg_pa_1x32_080719.bin, cfg_pa_2x32_080719.bin, cfg_pa_3x32_080719.bin, cfg_pa_4x32_080719.bin, cfg_pa_1x64_080719.bin, cfg_pa_2x64_080719.bin, cfg_pa_1x96_080719.bin, cfg_pa_1x128_080719.bin, cfg_pa_1x32_128_080719.bin <u>Additional files for SOCO-SCAN :</u> cfg_soco_scan_1x16_250621.bin, cfg_soco_scan_1x32_250621.bin, cfg_soco_scan_plus_1x16_250621.bin, cfg_soco_scan_plus_1x32_250621.bin cfg_soco_scan_1x16_V2_141223.bin, cfg_soco_scan_1x32_V2_141223.bin, cfg_soco_scan_plus_1x16_V2_141223.bin, cfg_soco_scan_plus_1x32_V2_141223.bin <u>Additional files for SOCO-SWIFT:</u> cfg_soco_swift_1x32_250621.bin, cfg_soco_swift_1x64_250621.bin, cfg_soco_swift_1x96_250621.bin, cfg_soco_swift_1x128_250621.bin, cfg_soco_swift_1x256_250621.bin, cfg_soco_swift_plus_1x32_250621.bin, cfg_soco_swift_plus_1x64_250621.bin, cfg_soco_swift_plus_1x128_250621.bin, cfg_soco_swift_plus_1x256_250621.bin, cfg_soco_swift_1x32_V2_141223.bin, cfg_soco_swift_1x64_V2_141223.bin, cfg_soco_swift_1x96_V2_141223.bin, cfg_soco_swift_1x128_V2_141223.bin, cfg_soco_swift_1x256_V2_141223.bin, cfg_soco_swift_plus_1x32_V2_141223.bin, cfg_soco_swift_plus_1x64_V2_141223.bin, cfg_soco_swift_plus_1x128_V2_141223.bin, cfg_soco_swift_plus_1x256_V2_141223.bin, <u>Additional files for SOCO-XP-UT :</u> cfg_soco_xp_250621.bin <u>Additional files for SOCO-8S-UT :</u> cfg_soco_8s_250621.bin <u>Additional files for SOCO-1-UT & SOCO-1AB-UT:</u> cfg_soco_1_250621.bin
WebAdmin	1.3.1	
SocomatePlatformManager	1.1.3	
Interface modules		
INTLOG_IN:	4.0	INTLOG_IN_V_4_0_0.pof (model MAX)
	1.0	INTLOGIN_C_V1.pof (model Cyclone)



INTANA_OUT:	2.3.1	INTANA_OUT_V_2_3_1.pof	(model < c)	
	3.1.4	INTANA_OUT_V_3_1_4.pof	(model ≥ c)	
INTLOG_OUT:	2.3.1	INTLOG_OUT_V_2_3_1.pof	(model < b)	
	3.1.3	INTLOG_OUT_V_3_1_3.pof	(model ≥ b)	

Where is indicated model

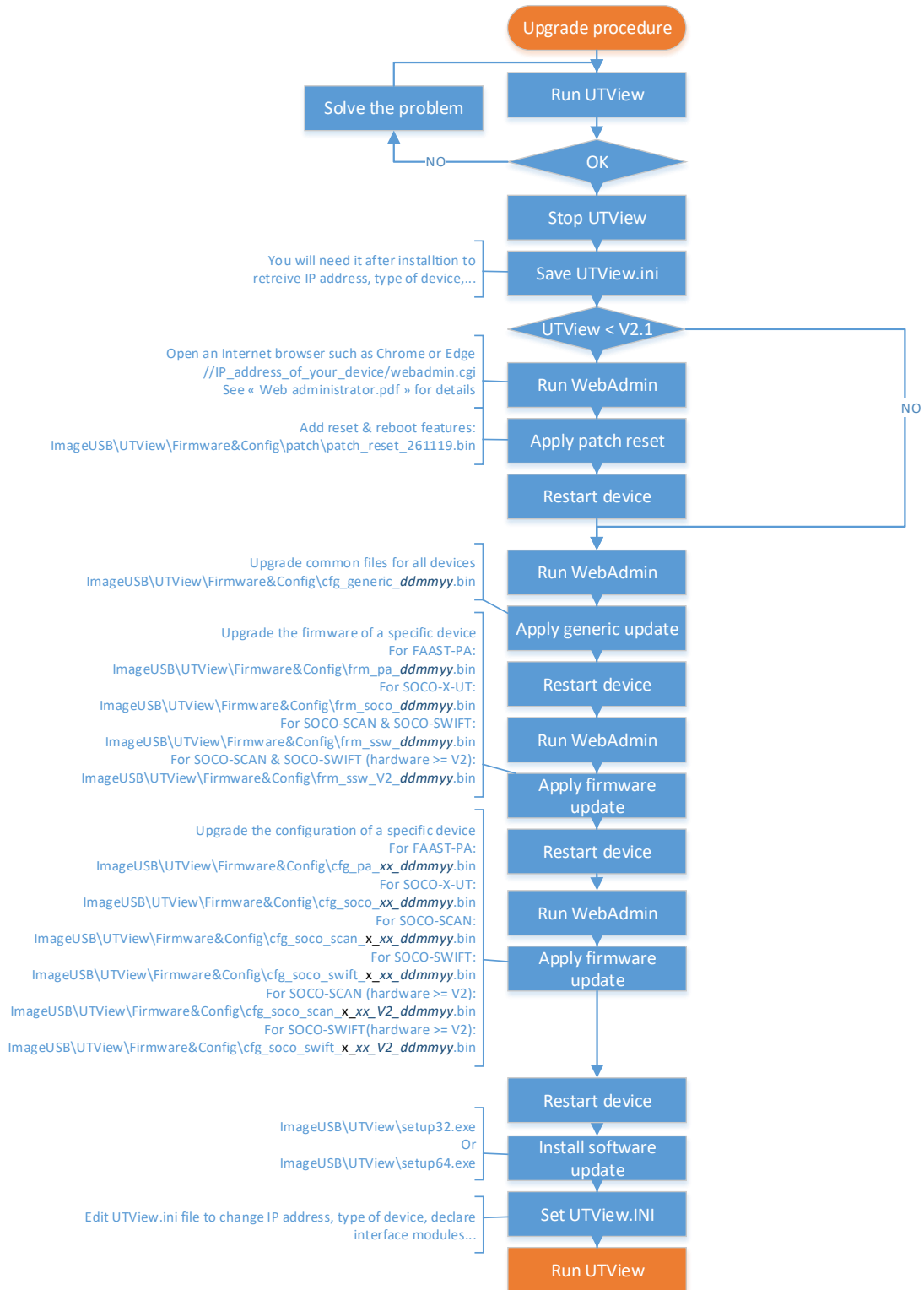
New/Improved features

ID	Description
	<p>This version manages a new generation of SOCO-SCAN and SOCO-SWIFT.</p> <p>A custom filter has been added. It allows you to define the high and low cut-off frequencies.</p> 
#525	<p>Now, the DAC points are marked on the DAC curve.</p> 
	<p>Displays the patch version in the "About" window.</p> <p>The fourth version number of the index is used as the patch number</p> <p>Ex: Version 3.1.0.2 will be displayed as 3.1.0 P2 in "About"</p>
#442	Added additional information on how encoder inputs work in the documentation.
#458	Added additional information about data format in the developer's manual.
#465	<p>Change and harmonization of interface manual names.</p> <p>LOG ANALOG OUTPUT manual becomes INT ANALOG OUTPUT (ANAOUT) manual</p> <p>LOG DIGITAL OUTPUT manual becomes INT LOGICAL OUTPUT (LOGOUT) manual</p> <p>LOG INPUT manual becomes INT LOGICAL INPUT (LOGIN) manual</p>
#499	<p>A new DLL function has been added to collect a group of A-scans more efficiently.</p> <p>This function is "SI_Get_Ascans_Scans" (see developer's manual for details).</p> <p>Firmware has also been upgraded to improve performance.</p>
	The B-scan program has been upgraded to call the new "SI_Get_Ascans_Scans" function to improve refresh period.
#524	Now, UTView and AscanMultiView can simultaneously display A-scans.
	Increase internal data base to enable large configuration such as 8 Phased Array devices

Bugs fixed since version 3.1

ID	Description
#388	Correct a bug when gates use inches
#370	Add missing source codes for LabView developers.
#334	Add signal description of K2 connector of SOCO-X cards.
#335	Correct the Developer's manual. "device%d_hv" command description wasn't correct.
#312	The 32 bit Detection plugin (for Phased Array devices) wasn't up to date.
#387	The firmware of the Interface output cards have been improved.
#400	
#405	
#379	Update VFAalyzer program (<i>a tool to check version files</i>)
#389	Fixe an issue into the DLL to enable to emulate more one device
#371	Fixe an issue into the DLL to enable to open an empty file (for multi-elements devices)
#410	Correct the SOCO-SWIFT emulation keys into the Windows registry. The previous keys were designed to emulate the SOCO-SWIFT-PLUS.
#432	Fixe an issue into the DLL to correct the velocity of gates when current unit is not in usec.
#433	Improve encoder counting → Count or down count on rise flank of channel A and B. Previously, only channel A was working on rise flank, the channel B was working on level. This can introduced an error on changing direction.
#434	Correct the service to limit the gain of SOCO-X products to 80dB.
#435	Reading the refresh period of the A-scan on the fly and no longer when opening UTView. This allows, for example, by changing the registry key "AscanRefreshPeriod", to control the refresh speed from another application. And thus slow down UTView in favor of this application. Note: A period >= 1000 ms stops the refreshing.
	
#420	Fixed a bug when a SOCO-SWIFT device uses an output interface module. The app was crashing.
#424	Fixed a bug when UTView's law finder called the SIPATOOLS program. SIPATOOLS did not return the correct laws.
#443 #471	Added a time constraint of 10usec between the end of detection and the beginning of the next sequence when Phased Array devices use an analog output board. This new constraint may affect your existing setting files if they don't respect it. The time of cycle and sequences can be increased when you load your files.
	
#460	Fixed a bug on analog outputs connected to devices of the SOCO-X-UT family. The outputs assigned to the 7th probe were not working.
#469	Fixed a bug in the sidev_32.lib file. This file referenced the 64-bit library.
#436	The duplication mode couldn't be changed when duplication was active. The new version enables to change the duplication when it is active.
#470	Impossible to save geometry. The new geometry plugin fixes this issues.
#483	Some VI sources weren't distributed. The new setup program fixes this issues.
#493	
#484	Adds "gatex_output_offset" and "gatex_output_range" into the developer's manual.
#489	Correct the definition of "gatex_phase_mode" and "gatex_detection_mode" into the developer's manual.
#495	Fixes a bug in SIPATOOLS to calculate delay laws with a tube and an encircling probe.
#502	Fixes a bug in SIPATOOLS. Correct the centering of a linear/matrix probe position when calculating the delay laws on the opening zone and when this probe is oriented around its Z axis.
#498	The representation of the multibeam B-scan has been corrected to eliminate the black bands between the beams.
#508	The B-scan program has been corrected to correctly display multibeams with angles other than 0 degrees.
#522	Applications in JAVA generate names larger than the 260 characters allowed by the DLL The new DLL enables 2048 characters.
#546	Fix some issues in FULL RANGE mode for SOCO-X.
#547	Acquisition counter didn't start to zero.
#549	Acquisition overflow error occurred without any reason. Acquisition didn't stop properly.
#558	Allows a maximum pulse width of 1000ns (500kHz) for SOCO-1AB-HV such as SOCO-1-HV

How to upgrade an existing system



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