# RELEASE NOTES

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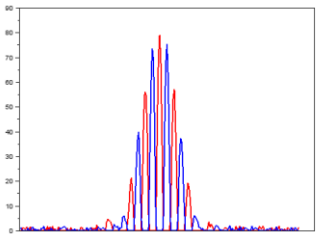
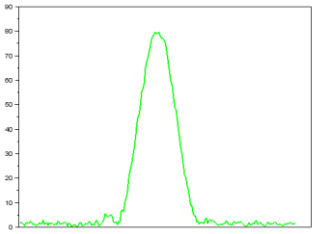
# Software & firmware versions

| Components | Versions | |
|---|---|---|
| API software | 3.0 | |
| UTView_64.exe | | |
| UTView_32.exe | | |
| Configuration file | | |
| UTView.ini | 5.4 | |
| Language files | 2.1 | |
| English.xml | | |
| French.xml | | |
| Library | 8.0 | |
| sidev_64.dll | | |
| sidev_32.dll | | |
| Additional programs | 2.2.2 | |
| SIPATOOLS_64.exe | | |
| SIPATOOLS_32.exe | | |
| Firmware files | | |
| FAAST-PA | | frm_pa_141020.bin |
| SOCO-SWIFT-PA | | frm_ssw_141020.bin |
| SOCO-X-UT | | frm_soco_141020.bin |
| Configuration files | | cfg_generic_161020.bin |
| For all devices | | |
| Additional files | | |
| FAAST-PA | | 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 |
| SOCO-SWIFT-PA | | cfg_ssw_1x32_100320.bin, cfg_ssw_1x64_100320.bin, cfg_ssw_1x96_100320.bin, cfg_ssw_1x128_100320.bin |
| SOCO-XP-UT | | cfg_soco_xp_141019.bin |
| SOCO-8S-UT | | cfg_soco_8s_141019.bin |
| SOCO-1-UT | | cfg_soco_1_141019.bin |
| SOCO-1AB-UT | | |
| Interface modules | | |
| INTLOG_IN: | 3.0 | INTLOG_IN_V_3_0_0.pof |
| INTANA_OUT: | 2.3.1 | INTANA_OUT_V_2_3_1.pof |
| INTLOG_OUT: | 2.3.1 | INTLOG_OUT_V_2_3_1.pof |

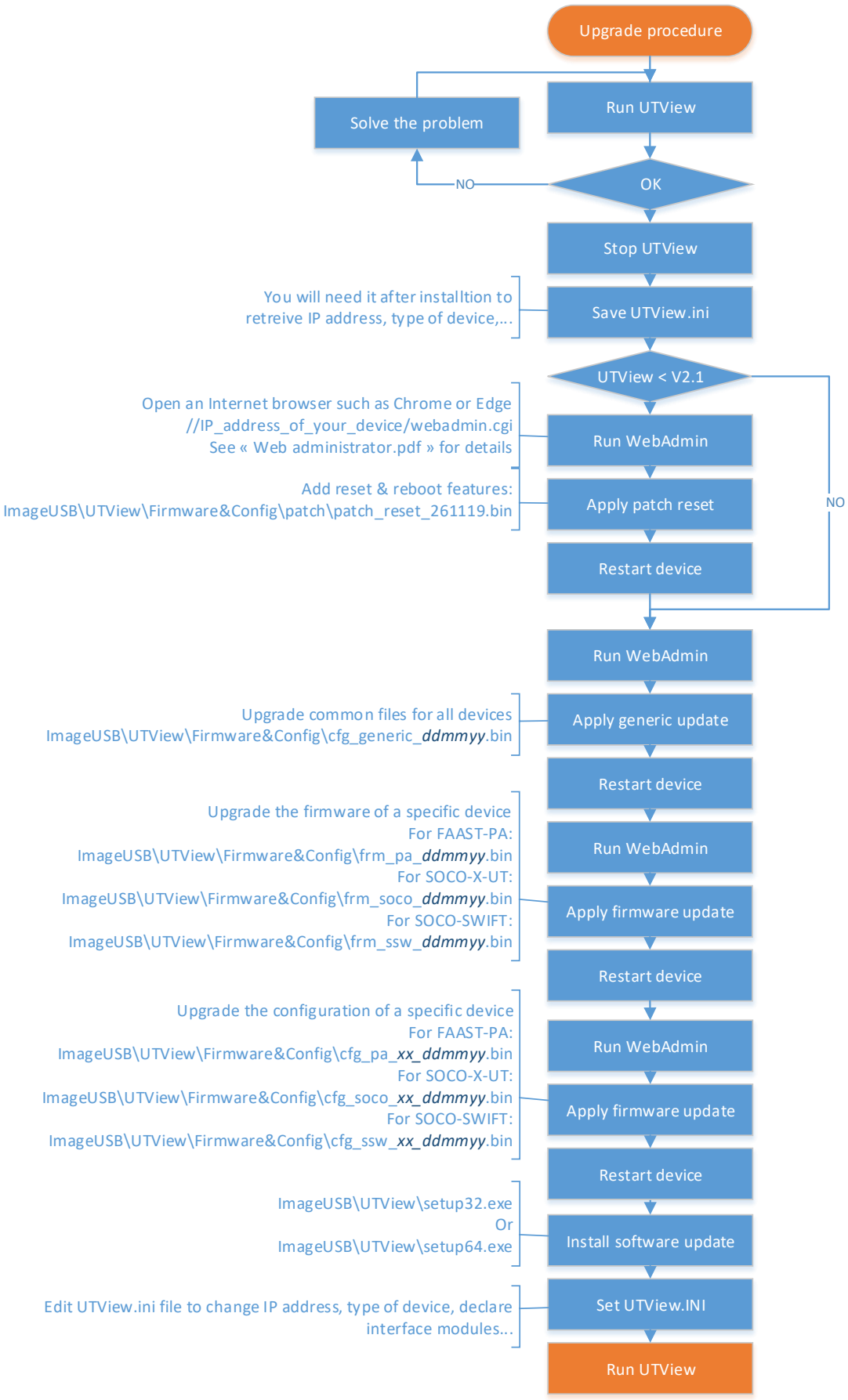
# New/Improved features

| ID | Description |
|---|---|
| | Generic features |
| | Enable negative scope offset to see before the synchronization event.<br>Of course, the synchronization event must be not the initial pulse ☺ |
| | Add a new scope mode "envelope".<br>   <br>Full wave Envelop |
| | Add new scope capture modes.<br>This feature determines which gate and measure into this gate to use to select the best A-scan. Very useful on rotating head and all other dynamic systems. |
| | Add automatic DAC size adjustment with Back Echo Tracking. |
| | Get temperature alarm with "device%d_temperature" parameter.<br>Previously, only temperatures were returned. |
| | Support for a new option for the LINK_OUT port.<br>A hardware supplement named "LOCRY" can be installed on the port LINK_OUT. This complement converts the LINK_OUT port to an output port of the Synchro cycle, shot and READY signals.<br>This can be useful when you don't have an INTLOG_IN interface card and you want to synchronize external devices such as PLC or recorders.<br>It should be noted that this option is present in the UTView.INI configuration file as LINK_OUT_PORT= SYNCH_OUT |
| ⚠ Behaviour has been changed | The thickness measurement goes back to zero if no measurement is obtained in the gate during more than N shots defined by the number of deviations into WT parameters.<br>Previously, the thickness measurement was maintained at the last valid measure. |
| | Phased array features |
| | Add interlacing mode to execute the scanning to avoid against ghost echo between the steps of the scanning. |
| | Enable to shift the aperture of the delay laws without rebuild the law.<br>It is useful when you want reuse a law at different position on the multi-elements probe. |
| | Add geometry tool to compensate the shape of the probe and the profile of the piece to control. |
| | The temperature alarm threshold has been changed to 60°C. |
| | Some new features have been added to SIPATOOLS such as:<br>A new argument in command line to execute SIPATOOLS in back ground (invisible)<br>Command line: SIPATOOLS_64.exe – Hide<br>A new annular mode has been added.<br>A new message appears asking you to record changes to the piece or probe when you change tabs. |

# Bug fixed

| ID | Description |
|---|---|
| | All A-scans were frozen when the display of an A-scan was synchronized by an echo in a gate and there was no echo into this gate.<br>This version fixes this problem. |
| | The A-scan was not correct when synchronized by Gate 1 and Gate 1 was synchronized at the beginning of the interface gate.<br>This version fixes this problem. |
| | This version improves the data acquisition on the first cycles of external synchronization.<br>The previous version could lose some early data in certain circumstances. |
| | This version improves the initialization of analogue outputs.<br>The previous version may not properly program outputs when the device is started. |
| | This version fixes a bug into SIPATOOLS to get a correct law on matrix probe. |
| | This version fixes a bug into SIPATOOLS to get a correct law on matrix probe when you want to flip the law with the “inverse” button. |

# How to upgrade an existing system



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