

## FocusPC 1.0 Release Notes

FocusPC is a PC-based software for data acquisition and analysis with the FOCUS PX acquisition unit.

### FocusPC 1.0R17

2018-02-15

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#### Bug Fixes

- Improvement of the deployment process stability

### FocusPC 1.0R16

2017-12-08

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#### New Features

The following new features were integrated in the different FocusPC versions.

- Compatibility with Windows 10

#### Bug Fixes

- [Performance] When the saturation alarm trig really fast FPC crash after a few hours

### FocusPC 1.0R15

2017-10-31

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#### Bug Fixes

- [Alarm] Alarms won't activate when multipod use of the same gate

### FocusPC 1.0R14

2017-10-19

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#### New Features

The following new features were integrated in the different FocusPC versions.

- Heartbeat Signal: A square signal with a period of five second on the OUT4 pin who confirm to the PLC the health status of FocusPC.

## FocusPC 1.0R13

2017-10-04

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### Bug Fixes

- [Alarm/Output] FPC freezes when activated alarms are flickering

## FocusPC 1.0R12

2017-09-28

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### Bug Fixes

- [FocusControl] Installation missing components on FocucPC - Install (Language)

## FocusPC 1.0R11

2017-05-26

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### Bug Fixes

- [Setup file] can't load a specific setup file

## FocusPC 1.0R10

2017-05-10

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### New Features

The following new features were integrated in the different FocusPC versions.

- Adding a mirror gate
- Adding a count before alarm
- Allowing single pod alarm output per PX unit
- Adding a fourth alarm display in FocusPC

## FocusPC 1.0R9

2016-12-19

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### Bug Fixes

- [Readings] Wrong depth reading on C-Scan when synchro on echo + linking gate (no synchro on first laws)

## FocusPC 1.0R7

2016-11-10

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### Bug Fixes

- [Refracted Angle] Wrong skew when setting negative refracted angle

- [Beam Skew] Beam skew information is not uniform from title bar, beam selection and position tab
- [UT Settings] The values in the position tab are not updated

## FocusPC 1.0R6

2016-07-19

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### Bug Fixes

- [FocusControl] Continuous inspection setups make FControl crash
- [Digitizer] When A-Scan data are deactivated, gates can't be configured anymore
- [Multipod] Crash when adding UT-HD group to a specific configuration with 3 devices
- [Digitizer] Crash when trying to deactivate A-scan data in the Digitizer menu
- [Gates] The position of gate A is modified in True Depth when selecting different laws of a sectorial group
- [Load] Loading a setup with continuous inspection in FocusControl is abnormally long
- [UT Settings] Changing First element value in Transmitter tab doesn't work properly
- [TOFD] Lateral Wave synchronization is not functional
- [TOFD] Lateral Wave Removal is not functional
- [Volumetric Merge] The volumetric merge doesn't work with a merged file
- [File Merge] The S-Scan data are lost in both files after file merging

## FocusPC 1.0R5

2016-05-19

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### Bug Fixes

The following bugs were corrected for the different FocusPC versions.

- Flatline problem in UTHD
- [US measurement system] Synchro on Echo sets the wrong A-scan start and changes the gates and time-corrected gain (TCG) points position
- [Data file] Insufficient memory to open data file on computer in inspection mode
- [TCG] Export TCG doesn't work for groups that are not on device ID 1
- [Calculator] Error message when replacing a Matrix Array configuration with .xcal
- Conditional A-scan in only working with Gate A

## FocusPC 1.0R4

2016-05-04

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### New Features

The following new features were integrated in the different FocusPC versions.

- New signal saturation indicator
- [Digital Inputs] New external firing capability
- [Device Configuration] New ability to assign any IP address to device and network card

- [Configuration Tool] New message after changing IP address to launch Focus PC
- [Configuration Tool] New Troubleshooting item: IP address connecting problem

## Bug Fixes

The following bugs were corrected for the different FocusPC versions.

- [Documentation] Update FocusPC, FocusData and FocusControl documentations
- FocusPC crashes when closing FocusPC with multi-pod file
- [Parameters] Scan/index offsets and beam orientation aren't editable in analysis
- [Stability] FocusPC crashes when adding a group
- [Performance] Firing sequencer takes a really long time to configure in multi device
- [DIN] Acquisition doesn't stop with DIN4 until encoder is refreshed
- Missing filters in TOFD filter list
- [TCG] TCG gain is applied before the TCG point (with HW-)
- [Merge file] Missing A-scan in the merged file
- P32397 [Firing Sequencer] Default button doesn't bring back the default firing sequence
- P32420 [TCG] High resolution mode, when switching to synchronization Echo, gain of the first point is incorrect.
- [Error] Incorrect error messages when FocusPC crashes on booting
- [TCG] Have a TCG total gain lower than the group gain
- [UT settings] For UT using PA groups, the A-scan range is incorrect
- [Views] A-scan views disappear when loading the data file
- [Encoders] DIN1 controls are inverted
- [UT Settings] Wrong default start value when switching to Synchro on Echo mode
- [UT Settings] Can't deactivate pulser elements
- [TCG] TCG Error messages modifications
- [Calculator] Error message when creating tandem configuration
- [Calculator] Does not export accurate value of frequency in law file
- [Stability] FocusPC crashes when the setup has limit values
- [Performance] Gate programming time is extremely slow for heavy setup files
- [Performance] Stop Firing recovery is extremely slow for heavy setup files
- [Performance] A-scan Start and Range programming time is extremely slow for heavy setup files
- [Encoder] Crash when changing Scan name
- [Scan] Deleting a new scan type makes FocusPC crash
- [Multiple UT Groups] UT changes are applied on a different group
- [Views] Volumetric cursors stay stuck on B-scan view
- [Dashboard] Gain value incoherence between Dashboard and UT Settings > General tab
- [Gates] Gates move when changing the A-scan Start on UT HD groups
- [Display] The title window is too small to see the name of a view
- [Reporting] Add readings feature doesn't work properly
- [Signal] A-scan signal changes when encoder is outside the scan patch
- Bimap error message appears when creating group PA, UTHD and TOFD in Multipod
- [TCG] Points are not programmed correctly in Time mode
- [TCG] Unwanted TCG message when changing start and range
- FocusPC doesn't work with a Focus PX with UT module
- FocusPC doesn't work with Windows 7 & 8 in Japanese
- The analysis mode is not functional when no FocusPX connected
- [UT module] Encoder 1 and encoder 2 are not available

- [Data] Gate mode changes in Analysis mode
- [Views] A-scan views disappear when loading the data file
- [Display] When changing the content of a view, another view changes
- [FocusControl][Connection] When connecting a sample to FPC, it open but have no signal and crashes
- [Scan axis] [UT] The incrementing of scan axis is not regular
- [Display] Analysis mode icon is not correctly displayed when starting FocusPC
- [Language] Some errors in FocusPC Chinese version
- [Encoders] Encoder preset is not set correctly
- [File] Open a setup file make the application crash
- Error messages when reading setup files
- In analysis mode, UT Settings/Digitizer/select A-scan makes FocusPC crash
- Deleting group in multi-pod mode displays an error message
- Configuration Tool] [Network Configuration] Click on Enter closes the window but doesn't configure the new parameters
- [UT] No UT signal with UT HD
- [Multi group] FocusPC crash when adding groups
- [Calibration] Not able to perform a beam delay calibration
- [Beam saturation tool] A thumbtack instead of the status icon
- [Unreproducible][Stability] Crash when performing calibration and then changing group
- [TCG] TCG point change position when A-scan start changes (on echo)
- Phased array parameters source window does not show sector name
- [Conditional A-scan] 100% memory alert doesn't pop when C-Scan Patch Size is 2GB before any A-Scan is recorded
- [TCG] From synchronization on pulse to echo, incorrect TCG points modifications (Full range and High resolution)
- [UT settings] Digitizer and Pulser/Reveiver tab don't work if you start an inspection
- [TCG] [High Resolution] Max point gain is 80dB instead of 100dB
- [Language] Help is in Russian in the Chinese version
- [Language] UT Settings > Gate C adjustment is offset according to the other gates.
- [Help] No help in the Japanese version
- [TCG] Wrong point gain when you add a point with TCG disable.
- FocusPC crashes when creating PA groups on diff. PODs
- [Crash] Some crashes happens during multi device applications
- [TCG] With synchronization on echo, the TCG is disable when the gain is too low
- [Multi Device] Signal freeze problems
- [Stability] Crash when adding group to PX #3 with a four devices configuration

## FocusPC 1.0R1

2016-29-07

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### Supported Acquisition Units

- FOCUS PX 16:64PR
- FOCUS PX 16:128PR
- FOCUS PX 32:128PR

### Supported Operating Systems

- Microsoft Windows 8
- Microsoft Windows 7 (32-bit and 64-bit)

**Note:** You must have administrator privileges to install FocusPC and configure the computer for data acquisition.

### Computer Requirements

- **CPU:** Intel Core i7 or Xeon E3
- **RAM:** 16 GB (DDR3 or better)
- **Data storage drive:** SSD
- **Network adaptor:** Gigabit Ethernet card (dedicated for FOCUS PX)
- **Display:** 1280 × 1024 or higher
- One USB port for the HASP security hardware key
- A keyboard and a pointing device

### Available in standard Languages

- All standard languages