

# Keysight UXR Oscilloscopes Software

This software is designed to run on the Keysight Infiniium UXR-Series oscilloscopes and supports the following model numbers, UXR0134A, UXR0164A, UXR204A, UXR0254A, UXR0334A, UXR0402A, UXR0404A, UXR0502A, UXR0504A, UXR0592A, UXR0594A, UXR0702A, UXR0704A, UXR0252AP, UXR0254AP, UXR0402AP, UXR0404AP, UXR0592AP, UXR0594AP, UXR0702AP, UXR0704AP, UXR0802A, UXR0804A, UXR1002A, UXR1004A, UXR1102A, and UXR1104A.

## Version 10.10.04601 (Patch Release)

Released Date:	11 Jun 2019
Operating System:	Windows 10

### Bug Fixes

- Fixes a waveform data corruption issue that occurs for differential channels and 4-port InfiniiSim. This issue is most noticeable with signal input frequencies that are  $1/8$ ,  $1/16$ ,  $1/32$ , ...,  $1/2^N$  of the sampling rate.
- Reduces the input sensitivity to voltage overload for UXR models with 1.85mm and 1mm inputs.

## Version 10.10.04514

Released Date:	20 May 2019
Operating System:	Windows 10

### Enhancements

- Supports all UXR models.
- Adds licenses and upgrades for the following new UXR models.
  - o UXR0252AP, UXR0254AP, UXR0402AP, UXR0404AP, UXR0702AP, UXR0704AP
- Adds support for the N2852A AP3->AP2 probe adaptor.
- Adds licenses and upgrades for the “mmWave Configurable Bandwidth Window” feature.
  - o UXR0000-605 “5 GHz mmWave Configurable Bandwidth Window”
  - o UXR0000-610 “10 GHz mmWave Configurable Bandwidth Window”
- Adds precision probe and precision cable support for the UXR models with 1.85mm and 1.00mm inputs.
- Adds hardware acceleration for the following features:
  - o Differential channels
  - o 4-port Infiniisim
  - o FFE and CTLE equalization

## Version 10.05.04305

Released Date:	8 Mar 2019
Operating System:	Windows 10

### Enhancements

- Adds support for UXR-Series oscilloscopes with 40 GHz of bandwidth or greater.

## Version 10.00.04201 (Patch Release)

Released Date:	26 Feb 2019
Operating System:	Windows 10

### Bug Fixes

- Fixes an issue in the Help-About dialog which was showing an incorrect model number.

## Version 10.00.04104 (Patch Release)

Released Date:	31 Jan 2019
Operating System:	Windows 10

### Enhancements

- Adds support to read the calibration data from the N2127A calibration module and utilize this data to improve the magnitude and phase response calibration.
- Supports the free license which enables hardware acceleration for clock data recovery and real time eye plotting.
- Provides support for Rev. 7 oscillator boards.
- Provides 100MHz as an available calibration output signal.

### Bug Fixes

- Fixes a touch screen focus issue which can render the touch screen inoperative until the scope app is iconified and restored.
- Fixes an intermittent issue that can cause the power supply to shut down due to an erroneous overheating indicator.
- Fixes “Quick Jitter” available from the Analyze pulldown menu.
- Fixes auto set thresholds in the Crosstalk wizard.
- Fixes an issue where no signal is acquired when running a mask with 1 waveform.
- Fixes an issue where saving on “osc” file type resets the number of real-time eye waveforms to one.
- Speeds up the acquisition and downloading of short waveform data records.
- Fixes an FFT error that occurs at low frequency with averaging enabled.
- Fixes a “Data Out of Range” error occurring at oscilloscope startup.
- Fixes the Pattern Average math function.
- Fixes auto-zero inconsistent results with the N7026A probe.
- Fixes issues causing failures in the following compliance applications:
  - o N5412 SAS
  - o N6472A IEEE 802.3 bs/cd
  - o N5411 SATA
  - o DDR5 TX Validation
  - o U7232 DisplayPort
  - o N6469 eDP1.4

## Version 10.00.03902 (Patch Release)

<b>Released Date:</b>	<b>21 Nov 2018</b>
<b>Operating System:</b>	<b>Windows 10</b>

### Bug Fixes

- Fixes an issue that was reducing the maximum memory depth to less than 100Mpts.
- Fixes an input overload issue that was occurring during probe calibration.
- Fixes issues impacting the Display Port, Embedded Display Port, Ethernet, DDR4, and PAM4 compliance applications.
- Fixes a defect leaving the touch screen disabled after the scope application is exited.
- Provides software support for the N7024A probe.
- Fixes the DC Gain/Offset calibration for the N7000A, N70001A, N70002A, N70003A, N2830A, N2831A and N2832A probes.
- Adds an update for the Keysight license manager, 6.0.2, to fix dongle-based licenses.

## Version 10.00.03801 (Patch Release)

<b>Released Date:</b>	<b>03 Oct 2018</b>
<b>Operating System:</b>	<b>Windows 10</b>

### Bug Fixes

- Fixes external probe scaling.
- Fixes an issue causing the DDR4 compliance application to fail.
- Fixes an issue causing the SAS4 compliance application to fail.
- Fixes an issue with probe correction filters not being removed when the probe is removed.
- Fixes vertical autoscale of a differential channel waveform.
- Fixes an issue where the Infiniium app remains active after exiting.
- Fixes a precision probe calibration issue.
- Fixes a touch screen focus issue where touch loses focus with the oscilloscope application.

## Version 10.00.03709 (Patch Release)

<b>Released Date:</b>	<b>14 Sep 2018</b>
<b>Operating System:</b>	<b>Windows 10</b>

### Bug Fixes

- Fixes an install issue found at AMC with the setup.exe file.
- Fixes two BW limit filter issues (WIT 557903 and WIT 557921)

## Version 10.00.03708 (Initial Release)

Released Date:	13 Sep 2018
Operating System:	Windows 10