# BV0004B PathWave BenchVue Oscilloscope Control App

## 2021.2 Version

| | |
|---|---|
| Release Version: | 2021.2 |
| Released Date: | 30ᵗʰ Nov 2021 |
| Operating System: | Windows 10 (64-bit, version 1809 or later) |
| System Requirements: | Processor: Intel Core i5 (or equivalent) |
| | RAM: 8GB |
| | Storage Drive: 900MB free space |
| | Display Resolution: 1920x1080 recommended |
| Hardware: | www.keysight.com/find/BenchVueInstruments |
| Release Type: | Major Update Release |
| File Name: | PathWaveBenchVueScope_2021.2_Setup.exe |

## New Features

– Added Trace Data

- **Get Current Trace**: User can configure the application to capture current trace by selecting this mode.

- **Trace Datalogging**: User can log trace data over time by selecting this mode.

- **Offline Data Log Viewer**: User can load a previously saved Data Log file and view it without connecting to an instrument

- **Setup Text**: When "Get Current Trace" mode is selected, shows the oscilloscope's setup information.

**KEYSIGHT**
TECHNOLOGIES

## Enhancements

- List of supported models can be viewed by clicking the "?" icon on top of the app menu
- Added Pendo Analytics
- Change in Usage Count when Floating License is consumed
- Improved performance of operations
- Incorporated the Infiniium series scope

## Resolved Issues

- Trace logging
- App Launcher
- Software Performance
- Incomplete Screen capture image
- Measurement setup

## Special Notes

- This is a standalone app. Mobile app and test flow features are not available in current version of standalone software.

# Previous Release Name

# 2021.1 Version Information

| | |
|---|---|
| Released Date: | April 15, 2021 |

**Requirements categories**

| | |
|---|---|
| PC operating system & hardware: | Windows 10: 64-bit (version 1809 or later) |
| | Processor: Intel Core i5 (or equivalent) |
| | RAM: 8 GB |
| | Storage Drive: 900MB free space |
| | Display resolution: 1920x1080 recommended |
| Current List of BenchVue Enabled Keysight Instruments: | www.keysight.com/find/benchvueinstruments |
| File Name: | PathWaveBenchVueScope_2021.1_Setup.exe |

# Notable changes

- Implemented instrument state "Save & Load" functionality.
- Defect fixes to improve app stability and usability

NOTE: This is a standalone app. Mobile app and test flow features are not available in current version of standalone software.

## 2021 Version Information

| | |
|---|---|
| Released Date: | March 15, 2021 |

**Requirements categories**

| | |
|---|---|
| PC operating system & hardware: | Windows 10: 64-bit (version 1809 or later) |
| | Processor: Intel Core i5 (or equivalent) |
| | RAM: 8 GB |
| | Storage Drive: 900MB free space |
| | Display resolution: 1920x1080 recommended |
| Current List of BenchVue Enabled Keysight Instruments: | www.keysight.com/find/benchvueinstruments |
| File Name: | PathWaveBenchVueScope_2021_Setup.exe |

## Notable changes

- Standalone Pathwave Benchvue platform (Does not require installation of prequsuite software)
- New Graphical User Interface
- Added support for EDUX1002A,EDUX1002G

NOTE:  Mobile app and test flow features are not available in current version of standalone software.

## 2020 Version Information

| | |
|---|---|
| Released Date: | June 8, 2020 |

**Requirements categories**

| | |
|---|---|
| PC operating system & hardware: | Windows 10:  32-bit and 64-bit (Professional, Enterprise, Education, Home versions)<br>Processor: 1 GHz or faster (2 GHz or greater recommended)<br>RAM: 1 GB (32-bit) or 2 GB (64-bit) (3 GB or greater recommended)<br>Interfaces: USB, GPIB, LAN, RS-232<br>Display resolution: 1280x1024 minimum recommended for single instrument view (higher resolution recommended for multiple instrument view) |
| **Mobile Devices:** (for companion BenchVue Mobile app) | Apple iPhone, iPad, iPod Touch all models; iOS 12.0 and later.<br><br>Android phone and tablets; Android 4.0.3 and later. |
| Current List of BenchVue Enabled Keysight Instruments: | www.keysight.com/find/benchvueinstruments |
| File Name: | BenchVueScope_2020.exe |

## Notable changes

- Added support for EDUX1052A, EDUX1052G, DSOX1202A, DSOX1202G

# 2019 Update 1 Version Information

| | |
|---|---|
| Released Date: | September 18, 2019 |

**Requirements categories**

| | |
|---|---|
| PC operating system & hardware: | Windows 10:  32-bit and 64-bit (Professional, Enterprise, Education, Home versions) |
| | Windows 8, 8.1:  32-bit and 64-bit (Professional, Enterprise, Core) |
| | Windows 7:  SP1 and later 32-bit and 64-bit (Professional, Enterprise, Ultimate, Home Basic, Home Premium) |
| | Processor: 1 GHz or faster (2 GHz or greater recommended) |
| | RAM: 1 GB (32-bit) or 2 GB (64-bit) (3 GB or greater recommended) |
| | Interfaces: USB, GPIB, LAN, RS-232 |
| | Display resolution: 1280x1024 minimum recommended for single instrument view (higher resolution recommended for multiple instrument view) |
| **Mobile Devices:** (for companion BenchVue Mobile app) | Apple iPhone, iPad, iPod Touch all models; iOS 7.0 and later.

Android phone and tablets; Android 4.0.3 and later. |
| Current List of BenchVue Enabled Keysight Instruments: | www.keysight.com/find/benchvueinstruments |
| File Name: | BenchVueScope_2019_Update1.0.exe |

# Notable changes

- Defects fixed for stability and usability
- Minor UI changes
- Usability improvements to save traces in BenchVue and recall in BenchVue.

# 2019 Version Information

| | |
|---|---|
| Released Date: | March 18, 2019 |
| **Requirements categories** | |
| PC operating system & hardware: | Windows 10:  32-bit and 64-bit (Professional, Enterprise, Education, Home versions)<br>Windows 8, 8.1:  32-bit and 64-bit (Professional, Enterprise, Core)<br>Windows 7:  SP1 and later 32-bit and 64-bit (Professional, Enterprise, Ultimate, Home Basic, Home Premium)<br>Processor: 1 GHz or faster (2 GHz or greater recommended)<br>RAM: 1 GB (32-bit) or 2 GB (64-bit) (3 GB or greater recommended)<br>Interfaces: USB, GPIB, LAN, RS-232<br>Display resolution: 1280x1024 minimum recommended for single instrument view (higher resolution recommended for multiple instrument view) |
| **Mobile Devices:** (for companion BenchVue Mobile app) | Apple iPhone, iPad, iPod Touch all models; iOS 7.0 and later.<br><br>Android phone and tablets; Android 4.0.3 and later. |
| Current List of BenchVue Enabled Keysight Instruments: | www.keysight.com/find/benchvueinstruments |
| File Name: | BenchVueSCOPEsetup_2019.exe |

# Notable changes

- Defects fixed for stability and usability
- Added support for DSOX1204A and DSOX1204G.
- Added support for P9241A, P9242A, P9243A USB Streamline oscilloscopes

## 2018 Version Information

| | |
|---|---|
| Released Date: | February 16, 2018 |

**Requirements categories**

| | |
|---|---|
| PC operating system & hardware: | Windows 10:  32-bit and 64-bit (Professional, Enterprise, Education, Home versions) |
| | Windows 8, 8.1:  32-bit and 64-bit (Professional, Enterprise, Core) |
| | Windows 7:  SP1 and later 32-bit and 64-bit (Professional, Enterprise, Ultimate, Home Basic, Home Premium) |
| | Processor: 1 GHz or faster (2 GHz or greater recommended) |
| | RAM: 1 GB (32-bit) or 2 GB (64-bit) (3 GB or greater recommended) |
| | Interfaces: USB, GPIB, LAN, RS-232 |
| | Display resolution: 1280x1024 minimum recommended for single instrument view (higher resolution recommended for multiple instrument view) |
| **Mobile Devices:** (for companion BenchVue Mobile app) | Apple iPhone, iPad, iPod Touch all models; iOS 7.0 and later. Android phone and tablets; Android 4.0.3 and later. |
| Current List of BenchVue Enabled Keysight Instruments: | www.keysight.com/find/benchvueinstruments |
| File Name: | BenchVueSCOPEsetup.exe |

## Notable changes

- Defects fixed for stability and usability
- Added live trace streaming to Instrument Settings tab.
- Upgraded Screen Image tab to Quick capture and save operation.
- Added a Web-based GUI to allow full user interact with the InfiniiVision oscilloscope models.
- Upgraded chart views on Trace tab and Data Log tab to provide common chart controls – multiple axis, axis configuration, zoom controls, marker functionality, lock scaling, and auto scaling.
- Added support for additional oscilloscope measurements.
- Added support for additional triggering modes.
- Added the ability to import oscilloscope trace data into BenchVue in order to interact with the trace at a later date.
- Upgraded Screen Image tab to allow a single click capture and save operation.
- Added Test Flow support for basic scaling functions.
- Added Test Flow support for the optional WaveGen built-in function generator available on some Keysight models.
- Upgraded the Data Logger tab to include support for storing waveform segments.

- Added support for storing measurement statistics.
- Added support for Infiniium Z-Series models.
- Added support for Infiniium V-Series models.

# 2017 Version Information

| | |
|---|---|
| Released Date: | March 29, 2017 |

**Requirements categories**

| | |
|---|---|
| PC operating system & hardware: | Windows 10:  32-bit and 64-bit (Professional, Enterprise, Education, Home versions) |
| | Windows 8, 8.1:  32-bit and 64-bit (Professional, Enterprise, Core) |
| | Windows 7:  SP1 and later 32-bit and 64-bit (Professional, Enterprise, Ultimate, Home Basic, Home Premium) |
| | Processor: 1 GHz or faster (2 GHz or greater recommended) |
| | RAM: 1 GB (32-bit) or 2 GB (64-bit) (3 GB or greater recommended) |
| | Interfaces: USB, GPIB, LAN, RS-232 |
| | Display resolution: 1280x1024 minimum recommended for single instrument view (higher resolution recommended for multiple instrument view) |
| **Mobile Devices:** (for companion BenchVue Mobile app) | Apple iPhone, iPad, iPod Touch all models; iOS 7.0 and later.<br><br>Android phone and tablets; Android 4.0.3 and later. |
| Current List of BenchVue Enabled Keysight Instruments: | www.keysight.com/find/benchvueinstruments |
| File Name: | BenchVueSCOPEsetup.exe |

# Notable changes

- BenchVue Oscilloscope app now requires a license
- App includes Test Flow automation and Command Expert blocks
- Support for new license terms
- Defects fixed for stability and usability
- Added: Support for 1000 X-Series
- Added: Export for DS file format of Keysight's Advanced Design System (ADS)
- Added: Edit and Export of channel labels for easier label changing
- Test Flow control for triggers
- Test Flow control for Run/Stop function

NOTE:  Previous versions of this app are not compatible with the BenchVue 2017 Platform software. For compatibility, use the older versions of the BenchVue Platform software (3.7 and earlier). Download and install the older version of this app from the Apps tab within your version of BenchVue.