

BV0004B PathWave BenchVue Oscilloscope Control App

2023.2 Version Information

Release Date:	Nov 8, 2023
Operating System:	Microsoft Windows 10 & 11 (64-bit)
System Requirements:	Processor: Intel Core i5 (or equivalent) RAM: 8GB Storage Drive: 900MB free space Display Resolution: 1920x1080 recommended
Supported Instruments:	www.keysight.com/find/BenchVueInstruments
Release Type:	Major Update Release
File Name:	PathWaveBenchVueOSC-2023-2-Setup.exe

New Features and Enhancements

- Improved User Interfaces.
- Added new waveform types for waveform generator.
- Compatible with Windows 11.
- Added new supported models for MXR B Series Oscilloscopes :
MXR054B, MXR104B, MXR204B, MXR254B, MXR404B, MXR604B, MXR058B, MXR108B,
MXR208B, MXR258B, MXR408B, MXR608B
- Defects fixed for stability, usability and performance enhancements.

Special Notes

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

Previous Release Name

2023.1 Version Information

Release Date:	July 7, 2023
Operating System:	Microsoft 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
Supported Instruments:	www.keysight.com/find/BenchVueInstruments
Release Type:	Major Update Release
File Name:	PathWaveBenchVueOSC_2023.1_Setup.exe

New Features and Enhancements

- Added controls for WaveGen feature (Only for the Keysight models that support WaveGen functionality).
- Enabled measurement data display in Histogram format under Measurement Data Log view.
- Enabled measurement data display in Multi Trace Chart and Single Trace Chart format for both Trace Data and Measurement Data Log views.
- Added Marker Table for the Single Trace Chart.
- Enabled this application to load the waveform data file (.h5 format) exported from an instrument.
- Added BenchVue One login and export data to BenchVue One features.
- Defects fixed for stability, usability, and performance enhancements.

Special Notes

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

2023 Version Information

Release Date:	Apr 22, 2023
Operating System:	Microsoft 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
Supported Instruments:	www.keysight.com/find/BenchVueInstruments
Release Type:	Major Update Release
File Name:	PathWaveBenchVueOSC-2023-Setup.exe

New Features and Enhancements

- Defects fixed for stability, usability, and performance enhancements.

Special Notes

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

2022.1 Version Information

Release Date:	Nov 28, 2022
Operating System:	Microsoft 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
Supported Instruments:	www.keysight.com/find/BenchVueInstruments
Release Type:	Major Update Release
File Name:	PathWaveBenchVueOSC_2022.1_Setup.exe

New Features and Enhancements

- Integrated BenchVue Test Flow feature.
- Added Measurement Data Log features
- Enhanced chart features to improve user experience in data analysis.
- Redesigned user interface to a more intuitive interface.
- Enabled the BenchVue Complete Control Collection floating license configuration by simply using License Management option.
- Removed diagnostics and app usage data collection option.
- Defects fixed for stability, usability, and performance enhancements

Special Notes

- This is a standalone app. Mobile app features are not available in the current version of standalone software.
- All the new features and supported models are available in the standalone app version only

2022 Version Information

Release Version:	2022
Released Date:	29 th July 2022
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_2022_Setup.exe

New Features

- Added new supported models for MXR/EXR Series Oscilloscopes
 - MXR054A, MXR104A, MXR204A, MXR254A, MXR404A, MXR604A, MXR058A, MXR108A, MXR208A, MXR258A EXR054A
 - EXR104A, EXR204A, EXR254A, EXR058A, EXR108A, EXR208A, EXR258A, MXR408A, MXR608A
- Added new supported models for 3000G Series Oscilloscopes
 - MSO-X 3012G, MSO-X 3014G, MSO-X 3022G, MSO-X 3024G, MSO-X 3032G, MSO-X 3034G, MSO-X 3052G, MSO-X 3054G, MSO-X 3102G, MSO-X 3104G
 - DSO-X 3012G, DSO-X 3014G, DSO-X 3022G, DSO-X 3024G, DSO-X 3032G, DSO-X 3034G, DSO-X 3052G, DSO-X 3054G, DSO-X 3102G, DSO-X 3104G
- Newly added features:
 - Statistical data display feature to ease the measurement data analysis
 - Setup Text panel allows to show the oscilloscope's setup information
 - Cursor feature to ease the oscilloscope's signals analysis
 - Introducing “What's new” pop-up dialog to view latest application updates

Enhancements

- Rephrased “Included License” option under the Information and Technical Support menu to “License Management”.
- Restructured the drop-down option items under the Information and Technical Support menu
- Defects fixed for stability, usability and performance.

Special Notes

- This is a standalone app. Mobile app and test flow features are not available in current version of standalone software.
- All the new features and supported models are available in the standalone app version only

2021.2 Version Information

Release Version:	2021.2
Released Date:	30 th 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.

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.
- All the new features and supported models are available in the standalone app version only

2021.1 Version Information

Released Date:	April 15, 2021
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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
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File Name:	PathWaveBenchVueScope_2021.1_Setup.exe
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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
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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
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Current List of BenchVue Enabled Keysight Instruments:	www.keysight.com/find/benchvueinstruments
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File Name:	PathWaveBenchVueScope_2021_Setup.exe
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Notable changes

- Standalone Pathwave Benchvue platform (Does not require installation of prerequisite 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)
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 12.0 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_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)
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_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. 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.