

BV0003B PathWave BenchVue Power Supply Control App

2024 Version Information

Release Date:	Feb 29, 2024
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:	PathWaveBenchVuePS-2024-Setup.exe

New Features and Enhancements

- New features added for PZ2100A Series High Channel Density Precision Source/Measure Unit Solution:
 - o Voltage & Current auto output ranging
 - o Voltage & Current auto measurement ranging
 - o Seamless current measurement ranging
 - o Output resistance filter
 - o Digital I/O terminals configuration
- Added support to load and save settings for each channel in file menu.
- Defect fixes for usability and stability.

2023.1 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:	PathWaveBenchVuePS-2023-1-Setup.exe

New Features and Enhancements

- Add support for PZ2100A Series High Channel Density Precision Source/Measure Unit Solution:
 - o PZ2100A Precision Source/Measure Unit Mainframe
 - o PZ2110A Precision Source/Measure Unit
 - o PZ2120A/PZ2121A Precision Source/Measure Unit
 - o PZ2130A/PZ2131A 5-Channel Precision Source/Measure Unit
- Enable Meter View & Data Logger feature for PZ2100A Series High Channel Density Precision Source/Measure Unit Solution.
- Adjust the location for the below:
 - o File menu.
 - o Information and technical support menu.
 - o User options menu.
 - o Start and stop Data Logger buttons.
 - o Run all and Stop all Arbs buttons.
- Compatible with Windows 11.
- Defect fixes for usability and stability.

Previous Release Name

2023 Version Information

Release Date:	Apr 20, 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:	PathWaveBenchVuePS_2023_Setup.exe

Resolved Issues

- Defect fixes for usability and stability.

2022.1 Version Information

Release Date:	Oct 31, 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:	PathWaveBenchVuePS-2022.1-Setup.exe

New Features and Enhancements

- Support export data log data to Matlab and Microsoft Word
- Support for E36154A and E36155A instrument
- Improved BenchVue TestFlow integration by adding support to more settings. Kindly refer to the list below for details:
 - o Voltage & Current Measurement Range
 - o On Delay Time & Off Delay Time
 - o Output Coupling
 - o Sensing
 - o OCP Level
 - o OCP Delay Start
 - o OCP & OVP Delay Time
 - o Enable OPP
 - o OPP Delay Time
 - o Enable UVP
 - o UVP Level & Delay
 - o Power & Resistance Value
 - o Power & Resistance Range
 - o Enable Programmable Resistance
 - o Programmable Resistance Mode
 - o Resistance Shunt Level & Series Level

- Enable WatchDog
- WatchDog Delay Time

- Removed usage data collection and option
- Improve installation time by only installing pre-requisites software during runtime when required.
- Defects fixed for stability, usability and performance enhancements

Special Notes

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

2022 Version Information

Release Version:	2022
Released Date:	9 May 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(2.0.49)
File Name:	PathWaveBenchVuePS-2022-Setup.exe

New Features

- Provide user-based login and new export data log capability (available in Fall 2022)
- Support BenchVue Power Supply Control app state file open in PathWave BenchVue Power Supply app
- Support for RP7984A instrument
- Support BenchVue TestFlow integration
- Added language localization for changing App Language in 5 different languages (Italian, Japanese, French, Spanish, Russian)

Enhancements

- Chart improvements: annotation, rubber band zoom, customized export chart and overview chart control.

Resolved Issues

- Resolved the hassle to reconfigure floating license for BenchVue Control Collection user who open multiple app windows.
- Resolved in use floating license count after successfully connecting to instrument using BenchVue Control Collection Floating License.
- Defects fix for usability and stability

2021 Update 2 Version Information

Released Date: Nov 4, 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: PathWaveBenchVuePS-2021-2-Setup.exe

Notable changes

- Added support new models for RP7982A, RP7983A, E36154A
- Added support 6 types of Build in Arb (Sine, Square, Ramp, Exponential, Trapezoid and Triangle) for B2960 Series Power Source
- Added language localization for changing App Language in 3 different languages (Simplified Chinese, Korean and Germany)
- Defects fixed for stability, usability and performance enhancements

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

2021.1 Version Information

Released Date:	April 26, 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:	PathWaveBenchVuePS_2021.1_Setup.exe
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Notable changes

- New supported models N69143A, N69145A, N69146A, N69172A, N69173A
- 7 Build In Arb supported in N6705 A/B/C and N6700/01/02C and N6700 Series Modular System Power Supplies, Sine, Step, Ramp, Trapezoid, Exponential, Pulse and Staircase.
- Enable Aux measurement data logging in datalogger.
- Enable analytics.
- Defects fix for usability and stability.

NOTE: 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:	PathWaveBenchVuePS_2021_Setup.exe

Notable changes

- Standalone Pathwave Benchvue platform (Does not require installation of prerequisite software)

New Supported Modes:

DC Power Supplies & Source Measure Units (44)	B2901B, B2901BL, B2902B, B2910B, B2911B, B2912B, B2961B, B2962B EDU36311A N6731B, N6741B, N6732B, N6742B, N6733B, N6743B, N6773A, N6734B, N6744B, N6774A, N6735B, N6745B, N6775A, N6736B, N6746B, N6776A, N6777A, N6751A, N6752A, N6753A, N6754A, N6755A, N6756A, N6761A, N6762A, N6763A, N6764A, N6765A, N6766A, N6781A, N6782A, N6783A, N6784A RP7972A, RP7973A
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Meter View Improvement:

1. Meter view display clearly in series, parallel, tracking, no module, double wide and output grouping status
2. User available to collapsed and expand channel view
3. Support Power measurements in meter view readings
4. Add OCP delay, OCP delay start and clear protection features
5. Support measurement ranges selection
6. Add Power and Resistance priority mode, settings and ranges
7. Single / Multi output meter view
8. Add all on and all off for output
9. Voltage, Current, Power and Resistance slew rise and fall rate settings
10. Positive and negative max slew rate settings
11. Output operation mode and tracking
12. Aux voltage measurement

DataLog Improvement:

1. Enable limit testing in datalog alert settings
2. Number of samples acquired settings in datalog configuration

3. X and Y axis markers available in datalog chart
4. Delta X and Y markers value available in marker table
5. Single or multi trace selection in datalog chart
6. Datalog trace thickness
7. Added power trace in datalog
8. Min, max and average marker measurements
Improve data log minimum sampling rate up 1ms +- (best cases with dependency on instrument capability and connectivity) , average 2.5ms

Export Improvement:

1. Add export options in ranges for data logging
2. Add trace data summary in export settings
3. User able to export even when datalog is running

New Features added:

1. Output List
2. DIO Configuration
3. UVP and UVL settings
4. Negative Voltage/Current limit
5. AHWL measurement
6. Reset AHWL
7. Tracking Limits
8. Sensing
9. Channel Coupling and delay
10. Power Limit
11. Emulating Mode
12. Watchdog settings
13. Impedance mode
14. Oscillation protection and output preference
15. Enable Aux voltage
16. Programmable resistance and protection coupling
17. Enable short
18. Voltage Inhibits
19. Output volt/current bandwidth
20. Under voltage inhibit and voltage on
21. Delay offset and coupling
22. Output polarity relay and resistance
23. OPP settings
24. Tmode coupling
25. Sense Fault detection
26. Operation mode (Tracking, Series, Parellel, Independence)

Bug Fixing From BenchVue:

1. OVP, OCP not available in E36300/E36200 series
2. N69/7900 and RP7900 Output On time out issues

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

2019 Version Information

Released Date:	March 14, 2019
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Requirements categories	
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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)
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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.
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Current List of BenchVue Enabled Keysight Instruments:	www.keysight.com/find/benchvueinstruments
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File Name:	BenchVuePSSetup_2019.0314.0.002.exe
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Notable changes

- Added support for N6791A and N6792A DC Electronic Load
- Added support for E36231A/E36232A and E36233A/E36234A Autoranging DC Power Supply

2018 Update 1 Version Information

Released Date: June 20, 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: BenchVuePSSetup_2018_Update2.exe

Notable changes

- Defects fixed for stability and usability
- Added support for RP7931A, RP7932A, RP7933A, RP7935A, RP7936A, RP7941A, RP7942A, RP7943A, RP7945A, RP7946A

2018 Version Information

Released Date:	Feb 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:	BenchVuePSsetup.exe

Notable changes

- Defects fixed for stability and usability
- Added support for RP7951A, RP7951AT, RP7952A, RP7952AT, RP7953A, RP7961A, RP7962A, and RP7963A
- Added support for E36102B, E36103B, E36104B, E36105B, and E36106B

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:	BenchVuePSsetup.exe

Notable changes

- BenchVue Power Supply 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 N6700C, N6701C, N6702C, and N6705C
- Added support for E36300 Series

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.