

PathWave BenchVue Software BV0003B Power Supply Control App

PathWave BenchVue Power Supply 2022

Release Version:	2022
Released Date:	09May2022
Operating System:	Windows 10: 64-bit (version 1809 or later)
System Requirements:	Processor: Intel Core i5 (or equivalent) RAM: 8 GB Storage Drive: 900MB free space Display resolution: 1920x1080 recommended
Hardware:	www.keysight.com/find/BenchVueInstruments
Firmware Build(s):	-
Licensing:	Included license, Perpetual and Subscription (Node-locked, Transportable, USB Portable, Floating)
Release Type	Major Release (2.0.49)

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

PathWave BenchVue Power Supply 2021 Update 2

Release Version:	2021.2
Released Date:	04Nov2021
Operating System:	Windows 10: 64-bit (version 1809 or later)
System Requirements:	Processor: Intel Core i5 (or equivalent) RAM: 8 GB Storage Drive: 900MB free space Display resolution: 1920x1080 recommended
Hardware:	www.keysight.com/find/BenchVueInstruments
Firmware Build(s):	-
Licensing:	Included license, Perpetual and Subscription (Node-locked, Transportable, USB Portable, Floating)
Release Type	Major Update Release (1.2.237)

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

PathWave BenchVue Power Supply 2021 Update 1

Release Version:	2021.1
Released Date:	26Apr2021
Operating System:	Windows 10: 64-bit (version 1809 or later)
System Requirements:	Processor: Intel Core i5 (or equivalent) RAM: 8 GB Storage Drive: 900MB free space Display resolution: 1920x1080 recommended
Hardware:	www.keysight.com/find/BenchVueInstruments
Firmware Build(s):	-
Licensing:	Included license, Perpetual and Subscription (Node-locked, Transportable, USB Portable, Floating)
Release Type	Major Update Release (1.1.85)

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 usage data collection and option.
- Defects fix for usability and stability

PathWave BenchVue Power Supply 2021

Release Version:	2021
Released Date:	15Mar2021
Operating System:	Windows 10: 64-bit (version 1809 or later)
System Requirements:	Processor: Intel Core i5 (or equivalent) RAM: 8 GB Storage Drive: 900MB free space Display resolution: 1920x1080 recommended
Hardware:	www.keysight.com/find/BenchVueInstruments
Firmware Build(s):	-
Licensing:	Included license, Perpetual and Subscription (Node-locked, Transportable, USB Portable, Floating)
Release Type	Major Release (1.0.153)

Notable changes

- Standalone PathWave BenchVue Power Supply software
- Added support on 44 DC Power Supplies and Source Measure Units models:
 - 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
- 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. 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
 9. 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, Parallel, Independence)
- Bug Fixing from BenchVue:
 - 1. OVP, OCP not available in E36300/E36200 series
 - 2. N69/7900 and RP7900 Output On time out issues

BenchVue Power Supply Control App 2019

Release Version:	2019
Released Date:	14 Mar 2019
Operating System:	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)
System Requirements:	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)
Hardware:	www.keysight.com/find/BenchVueInstruments
Release Type	Major Update Release

Notable changes

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

BenchVue Power Supply Control App 2018 Update 1

Release Version:	2018.1
Released Date:	20 Jun 2018
Operating System:	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)
System Requirements:	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)
Hardware:	www.keysight.com/find/BenchVueInstruments
Release Type	Major Update Release

Notable changes

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

BenchVue Power Supply Control App 2018

Release Version:	2018
Released Date:	16 Feb 2018
Operating System:	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)
System Requirements:	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)
Hardware:	www.keysight.com/find/BenchVueInstruments
Release Type	Major Update Release

Notable changes

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

BenchVue Power Supply Control App 2017

Release Version:	2017
Released Date:	29 Mar 2017
Operating System:	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)
System Requirements:	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)
Hardware:	www.keysight.com/find/BenchVueInstruments
Release Type	Major Update Release

Notable changes

- BenchVue Power Supply app now requires a license
- App includes Test Flow automation and Command Expert blocks
- Support for new license terms
- Added support for N6700C, N6701C, N6702C, and N6705C
- Added support for E36300 Series
- Defects fixed for stability and usability