

Keithley Instruments
28775 Aurora Road
Cleveland, Ohio 44139
1-800-935-5595
www.tek.com/keithley

Version 2.1.1 Software release notes

Contents

General Information	1
Supported models	1
Supported operating systems.....	2
PC requirements	2
Software prerequisites:	2
Installation instructions	2
Kickstart Instrument Control Software history	3
Version 2.1.1 release notes	3
Version 2.1.1 enhancements	3
Version 2.1.1 resolved issues	3

General Information

Supported models

This software is intended for use on the following Keithley Instruments and Tektronix product models:

2000, 2010, 2100, 2110, 2280S-32-6, 2280S-60-3, 2281S-20-6, 2400, 2400-C, 2401, 2410, 2410-C, 2420, 2420-C, 2425, 2425-C, 2430, 2430-C, 2440, 2440-C, 2450, 2460, 2461, 2470, 2601A, 2601B, 2602A, 2602B, 2604B, 2606B, 2611A, 2611B, 2612A, 2612B, 2614B, 2634B, 2635A, 2635B, 2636A, 2636B, 2657A, 2700, 2701, 2750, 3706A, 3706A-NFP, 6430, 6485, 6487, 6514, DAQ6510, DMM6500, DMM7510, DPO3012, DPO3014, DPO3032, DPO3034, DPO3052, DPO3054, DPO3k, DPO4014B, DPO4034B, DPO4054B, DPO4102B, DPO4102B-L, DPO4104B, DPO4104B-L, DPO4032, DPO4034, DPO4054, DPO4104, DPO4k, MDO3012, MDO3014, MDO3022, MDO3024, MDO3032, MDO3034, MDO3052, MDO3054, MDO3102, MDO3104, MDO32, MDO34, MDO3k, MDO4014B-3, MDO4034B-3, MDO4054B-3, MDO4054B-6, MDO4104B-3, MDO4104B-6, MDO4014-3, MDO4034-3, MDO4054-3, MDO4054-6, MDO4104-3, MDO4104-6, MDO4024C, MDO4034C, MDO4104C, MDO4054C, MDO4k, MSO4, MSO3012, MSO3014, MSO3032, MSO3034, MSO3052, MSO3054, MSO4034B, MSO4054B, MSO4012B, MSO4012B-L, MSO4104B, MSO4104B-L, MSO4032, MSO4034, MSO4054, MSO4104

Supported operating systems

Kickstart is supported on the following operating systems:

Windows® 10, 64-bit (creator's update)

Windows® 8, 64-bit

Windows® 7, 64-bit

PC requirements

Processor: Dual-core processor 2 GHz or better

RAM: 8GB

Display resolution: Minimum 1920 × 1080 recommended

Disk drive space required: 8 GB of free space

Software prerequisites:

NI VISA 17.5 Runtime or newer (installation package included in KickStart installer)

Microsoft® Visual Studio C++ 2013 x64 Redistributable Package

Microsoft® Visual Studio C++ 2017 x64 Redistributable Package

.NET Framework 4.7

When installing KickStart without an internet connection, make sure that the last three software prerequisites are installed on your PC before installing. The NI VISA 17.5 Runtime is packaged with the KickStart installer.

Installation instructions

Download the KickStart 2.1.1 installer from www.tek.com/keithley-kickstart. Unzip the file and run `KickStartSetup.exe`.

Follow the installation instructions and accept all default settings.

The installer will install the required files into the following default location: `C:\Program Files\Keithley Instruments\KickStart`

KickStart version 2.1.1 requires a software license. The software installs with a one-time 60-day free trial. For more information on licenses available for KickStart version 2.1.0, please visit www.tek.com/keithley-kickstart.

For more information on KickStart, see the “KickStart Quick Start Guide” (document number: KKS-903-01). This Quick Start Guide is available online at www.tek.com/keithley-kickstart.

Kickstart Instrument Control Software history

Version	Release date
2.0.0	April 2018
2.0.1	July 2018
2.0.2	July 2018
2.0.3	August 2018
2.0.4	October 2018
2.0.5	November 2018
2.0.6	February 2019
2.1.0	June 2019
2.1.1	September 2019

Version 2.1.1 release notes

Version 2.1.1 enhancements

Issue number:	KS-2073
Improvement:	Added statistics between cursors on the KickStart graph.
Issue number:	KS-2074, KS-2288
Improvement:	Added area under Curve Statistics to the KickStart graph.
Issue number:	KS-2972
Improvement:	The Tektronix Models MDO32 and MDO34 are now supported by KickStart's Scope application.
Issue number:	KS-3071
Improvement:	If the system memory is less than 10%, the graph updates are turned off.

Version 2.1.1 resolved issues

Issue number:	KS-1197
Resolution:	In the I-V Characterizer app, the measure range for the Model 2461 may not have been correctly limited when source range was selected; this issue is now fixed.

Issue number:	KS-1412
Resolution:	Cursor series tooltips in the graph are based on row index of the measured data.
Issue number:	KS-2475
Resolution:	Streaming of digitized data using the DMM app has been improved to enable 60 kHz continuous streaming to the reading table. The maximum number of readings is limited by the maximum size of reading table.
Issue number:	KS-2539
Resolution:	When selecting Export All Runs, the apps export graphs for each run.
Issue number:	KS-2649
Resolution:	When using both channels of a 2604B, 2614B, or 2634B with the I-V Characterizer, the test now properly works.
Issue number:	KS-2717, KS-2883
Resolution:	App settings could become corrupt and result in KickStart crashing or generating error when attempting to open project; this issue is now fixed.
Issue number:	KS-2761
Resolution:	KickStart no longer crashes when an app is deleted.
Issue number:	KS-2793
Resolution:	When using Math in the Data Logger app, the calculated data now appears correctly in the graph.
Issue number:	KS-2831
Resolution:	When table rows are hidden, the points no longer appear on the graph.
Issue number:	KS-2832
Resolution:	When a graph image is exported, the resulting file is no longer left blank.
Issue number:	KS-2836
Resolution:	Resistance and power calculations are now correct when using a simulated instrument in the I-V Characterizer app.
Issue number:	KS-2843
Resolution:	When exporting data containing hidden rows, the hidden rows no longer appear in the export.

Issue number:	KS-2869
Resolution:	When using the scope app and performing a capture with an oscilloscope that is in auto-trigger mode, KickStart no longer hangs and now completes the capture. KickStart is now changing the oscilloscope to the stopped mode and then acquiring the data. The oscilloscope will then be set back to the mode it was previously in.
Issue number:	KS-2886
Resolution:	Loading a saved setup file in the Scope app no longer causes a timeout error.
Issue number:	KS-2894
Resolution:	For the Scope app, if math computation in the scope is incomplete, KickStart will now wait until data is available.
Issue number:	KS-2916
Resolution:	Data now appears in Graph when Windows Display Language is set to Chinese or Japanese.
Issue number:	KS-2928
Resolution:	Added checks to prevent graph crashes when changing the data source of the x-axis.
Issue number:	KS-2938
Resolution:	Auto export no longer results in data missing from the exported data file.
Issue number:	KS-2940
Resolution:	The issue where Model 6487 in the DMM app had no autozero selections has been fixed.
Issue number:	KS-2941
Resolution:	Logarithmic sweep in the I-V Characterizer now runs properly because an error in asymptote calculation has been fixed.
Issue number:	KS-2942
Resolution:	Incorrect resistance ranges are no longer shown in the DMM app resistance function for the Model 6514.
Issue number:	KS-2945
Resolution:	Overflow readings or -200 execution errors when doing resistance measurements in the DMM app with the Model 6487 have been resolved.
Issue number:	KS-2950
Resolution:	Model 6487 output now switches off when the user aborts the test (presses Stop) while running a DMM app resistance test.

Issue number:	KS-2952, KS-3076
Resolution:	Saving a Kickstart project that contains a Data Logger app with an unsaved Scan Group and measure function of None no longer crashes the app.
Issue number:	KS-2955
Resolution:	When using the Scope app, data on all channels when in Measurement mode now show in the table and graph.
Issue number:	KS-2967
Resolution:	The 100 pA measure range is no longer missing from the 2635A/2635B or 2636A/2636B support in the I-V Characterizer app.
Issue number:	KS-2968
Resolution:	If KickStart was abnormally terminated while running a test, then previous data may have become corrupt or irretrievable upon reopening the KickStart project. This issue has been resolved. All collected data is available upon reopening the KickStart project.
Issue number:	KS-2976
Resolution:	Model 3706A frequency and period measurements in the Data Logger app now allow the user to enter select a threshold range.
Issue number:	KS-2996
Resolution:	Temperature data for the DMM and DataLogger apps are now properly formatted in decimal notation in the Graph.
Issue number:	KS-3007
Resolution:	Exported data files now only include test configuration once.
Issue number:	KS-3012
Resolution:	Model 6430 now opens and works with the I-V Characterizer app for all modes.
Issue number:	KS-3013
Resolution:	The minimum recommended firmware version of the Model 2100 DMM has been updated. Using a Model 2100 DMM in KickStart requires firmware revision 1.12 for proper instrument discovery.
Issue number:	KS-3014
Resolution:	While taking readings with a Model 2100 in the DMM app, random timeouts no longer occur.

Issue number:	KS-3051
Resolution:	Interlock errors are now appropriately presented when using a Model 6487 in the DMM app.
Issue number:	KS-3074
Resolution:	If KickStart is abnormally terminated, the correct amount of data now appears when the KickStart project is reopened.
Issue number:	KS-3082
Resolution:	When using the I-V Characterizer app and plotting one channel vs. another channel on the graph, KickStart now uses the measurement data that user selects for the x-axis.
Issue number:	KS-3108
Resolution:	Improvements have been made to prevent timeout errors with the DMM App and the Model 2100.
Issue number:	KS-3113
Resolution:	When using a Model 3706A in the DataLogger app, the input impedance for voltage measurement is now set to "Auto."