Kickstart Instrument Control Software

Version 2.0.3 Software release notes

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Contents

General Information

Supported models

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

DMM6500, DAQ6510, DMM7510, 2450, 2460, 2461, 2400, 2400-C, 2401, 2410, 2410-C, 2420, 2420-C, 2425, 2425-C, 2430, 2430-C, 2440, 2440-C, 6430, 2601A & B, 2602A & B, 2604B, 2611A & B, 2612A & B, 2614B, 2634B, 2635A & B, 2636A & B, 2280S-60-3, 2280S-32-6, 2281S-20-6, 2700, 2701, 2750, 3706A

Supported operating systems

Kickstart is supported on the following operating systems:

- Windows® 10, 64-bit
- 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

Installation instructions

Download the KickStart 2.0. 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 2.0.3 requires a software license. The software installs with a one-time 60-day free trial. For more information on licenses available for KickStart version 2.0.3, 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 2.0.0 is the Beta release of the Keithley Kickstart 2.0 Software Application – April 2018
Version 2.0.1 is the initial release of the Keithley Kickstart 2.0 Software Application – July 2018
Version 2.0.2 is the previous release of the Keithley Kickstart 2.0 Software Application – July 2018
Version 2.0.3 is the latest release of the Keithley Kickstart 2.0 Software Application – August 2018

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Enhancements

Enhancement:	Version 2.0.3 added 3706A System Switch Multimeter support.

Usage notes

Issue number:	KS-1899
Symptom:	In version 1.9.x, Kickstart allowed a user to control multiple TSP-linked instruments in the I-V Characterizer app by connecting only one instrument to the computer. The software will no longer allow this functionality.
Workaround:	KickStart no longer uses TSP-Link as a communication interface. The user should connect each individual instrument to the computer using a supported VISA interface (USB, GPIB, or LAN0). The user can still use multiple instruments in the I-V Characterizer app and can add instruments to the app using the instrument manager on the app toolbar.

Issue number:	KS-2071
Symptom:	Running an I-V Characterizer pulse test with a Model 2461 may cause the instrument to lockup, produce instrument errors, and/or abort the test when measuring the complete pulse and the sample rate is set a high value.
Workaround:	Run at a lower sample rate or reduce the total pulse time (reduce number of pulses).

Resolved issues

Issue number:	KS-1511
Resolution:	The Data Logger App now supports the On-Channel Limit option for Scan Start channel limits on the Model 2700, Model 2701, and Model 2750.

Issue number:	KS-1938
Resolution:	The test speed is now normal when the Data Logger app is configured with the large number of channels (>80).

Issue number:	KS-1952
Resolution:	Running a DMM app and using the Digitize Voltage or Digitize Current functions with a high sample rate and a large sample count (or infinite sample count) will run without the errors.

Issue number:	KS-2009
Resolution:	Using a Repeat value >0 on the Voltage or Current Pulse List Sweep and Pulse Sweeps in the I-V Characterizer app will no longer result in the second sweep missing its first source value.

Issue number:	KS-2057
Resolution:	New minimum and maximum value will now update after typing in values using the Graph with I-V Characterization function.

Issue number:	KS-2123
Resolution:	When the AutoExport feature is turned on in the Power Supply app, the progress bar will no longer show the "Exporting Data …" message after the operation is complete.

Issue number:	KS-2118
Resolution:	The issue that caused projects with paths containing Unicode characters with value >127 to save incorrectly or report errors has been resolved.

Issue number:	KS-2155
Resolution:	The issue that prevented source readings from being collected when in Japanese and Chinese has been resolved.

Known issues

Issue number:	KS-290
Symptom:	When using the Power Supply App, the maximum sampling speed is not available on the Model 2281S in bias mode.

Issue number:	KS-510
Symptom:	The 26xxB and 3706A models are not reliably discovered over a LAN interface.
Workaround:	Use the Advanced Discovery "Enter an IP address" field to manually add these instruments.

Issue number:	KS-1489
Symptom:	DMM6500 reports 2001-TCSCAN scanner card as 2000-SCAN scanner card
Resolution:	User can now right click on the DMM6500 in KickStart and click on the "Identify Instrument" button to confirm the correct scanner card model. This information is remembered by Kickstart. The user must confirm the model again only when the scanner card in the DMM6500 is replaced with a different model.

Issue number:	KS-1602
Symptom:	Powering on the Datalogger for the Model 2700 while Kickstart is running may cause the 2700 to lock up during the boot up process.
Workaround:	Power ON the Model 2700 before starting the Kickstart application or turn off the Auto Discovery feature in Kickstart.

Issue number:	KS-1853
Symptom:	When a Kickstart project is opened by double-clicking on the `.KSP` file, a message is generated in the event log as follows: *Informational: Could not find* `ActualSerialNumber` *with serial number* `ActualSerialNumber`. *The instrument was removed and replaced with a simulated instrument.*
Workaround:	If the instrument is connected before opening the project, this message can be ignored. When the project is open, the instrument will be discovered by Kickstart, and the simulated instrument will be replaced with the instrument used in the project.

Issue number:	KS-2067
Symptom:	Using Infinite Measure Count with the Model DAQ6510, Model DMM6500, or Model DMM7510 in the DMM App may produce fewer readings than when selecting a finite Measure Count. If the Sampling Rate is fast enough, the internal buffer of the instrument can wrap and begin overwriting data that the KickStart software has not retrieved yet. The test will stop at this point. Using a finite measure count avoids overwriting the instrument's data buffer.
Workaround:	To increase the number of readings that KickStart can take when using infinite measure count, try a slower Sampling Rate.

Issue number:	KS-2093
Symptom:	The Acquire Rel button does not work correctly for all functions in the DMM App with the Model 2700, Model 2701, and Model 2750. If you do need to apply a relative offset then you can enter a manual value.

Issue number:	KS-2137
Symptom:	When using the IV Characterizer app with a logarithmic dual-current pulse sweep, the progress bar will not update the amount of point measured if you add a repeat value and run the sweep again.

Issue number:	KS-2190
Symptom:	When using the IV Characterizer app, if you run a voltage scan with no measurements selected and switch to a current measure function with measurements selected, no voltage readings will show on the sheet. When you switch to the current pulse function, you cannot select power or resistance measurements because they are grayed out.

Issue number:	KS-2244
Symptom:	The Scan Count and the interval between scans are not enforced during a Monitor Scan of the Model 2700, Model 2701, and Model 2750

Issue number:	KS-2251
Symptom:	When using a simulated dual-channel 26xxB product, there is a driver issue that can cause a test to terminate when attempting to run. This is not an issue when using real 26xxB instruments.

Issue number:	PR-61681
Symptom:	The Model 2750 monitor mode does not stop scanning when the signal is back within limits.