



A Tektronix Company

# Kickstart Instrument Control Software

## Version 2.0.1 Software Release Notes

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## 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

### 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 2.0.1 installer from [www.tek.com/keithley-kickstart](http://www.tek.com/keithley-kickstart). Unzip the file and run KickStartSetup\_KICKSTART-2.0.1.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 2.0.1 requires a software license. The software installs with a one-time 60-day free trial. For more information on licenses available for KickStart version 2.0.1, please visit [www.tek.com/keithley-kickstart](http://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](http://www.tek.com/keithley-kickstart).

## KickStart Instrument Control Software Release 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 2.0.1 Release

### Overview

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Software Version 2.0.1 is the official release of the Kickstart 2.0 Software Application. Usage Notes and Known Issues are listed below.

### Usage Notes

#### 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.

#### KS-1952 **Symptom:**

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) may cause the instrument to temporarily not respond. The test may abruptly abort, display errors, and/or make it not possible to abort.

#### **Workaround:**

Run at a lower sample rate or reduce the number of samples taken.

**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).

**Known Issues****KS-290 Symptom:**

The Power Supply App does not support the fast sampling mode on the Model 2281S.

**KS-510 Symptom:**

KickStart may fail to connect to Model 26xxB SMU Instruments discovered through LXI discovery.

**Workaround:**

To connect to 26xxB instruments using LAN, please enter the IP address in the **Enter an IP address Advanced Discovery** text box.

**KS-1489 Symptom:**

Saving a project with a Data logger app connected to a Model DMM6500 that contains a Model 2000-SCAN or a Model 2001-TCSCAN card will disconnect the DMM6500 from the app and connected a simulated instrument. This makes it impossible to re-use a saved project with the DMM6500 and 2000-SCAN or 2001-TCSCAN card.

**Workaround:**

Create a new Datalogger app for the DMM6500 and 2000-SCAN and 2001-TCSCAN card.

**KS-1511 Symptom:**

The Data Logger App does not support the On Channel Limit option for Scan Start channel limits on the Model 2700, Model 2701 or Model 2750.

**KS-1602 Symptom:**

Powering on the Datalogger for the Model 2700 while KickStart is running may cause the 2700 to be lock up during the boot up process.

**Workaround:**

Power ON Model 2700 before starting the KickStart application or turn off the Auto Discovery feature in KickStart.

**KS-1938 Symptom:**

Configuring a Data Logger app with a large number of channels (>80) may cause a test to run slowly. Additionally, saving or opening the test may also take a long time.

**KS-2009 Symptom:**

Using a Repeat value >0 on the Voltage or Current Pulse List Sweep and Pulse Sweeps in the I-V Characterizer app may result in the second sweep missing its first source value.

**KS-2057 Symptom:**

When using the Graph with I-V Characterizer function, new minimum and maximum values will not update if you select the graph immediately after typing in the values.

**Workaround:**

When using the Graph with I-V Characterizer, press the **ENTER** key after entering new minimum and maximum values to ensure that these values are updated.

**KS-2067 Symptom:**

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.

**KS-2118 Symptom:**

User cannot create an app or save a project in KickStart when non-ASCII characters are used in the project name or in the project file directory.

**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.

**KS-2123 Symptom:**

When the AutoExport feature is turned on in the Power Supply app, the progress bar may still show the "Exporting Data ..." message even though the export operation is complete.

**Workaround:**

The Output ON button status can be monitored which will be enabled when the export operation is complete.