KEITHLEY
A Tektronix Company

KickStart Instrument Control Software

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Version 2.11.5 Software Release Notes

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KICKSTART UPDATES

This updated release of KickStart software version 2.11.5 includes several enhancements and bug fixes. KickStart software is available for use with the Keithley Instruments Arbitrary Function Generators (AFG), Data Acquisition (DAQ) instruments, Digital Multimeters (DMM), SourceMeter Source Measure Units (SMU), Sensitive Instruments, Power Supplies, and Tektronix Oscilloscopes.

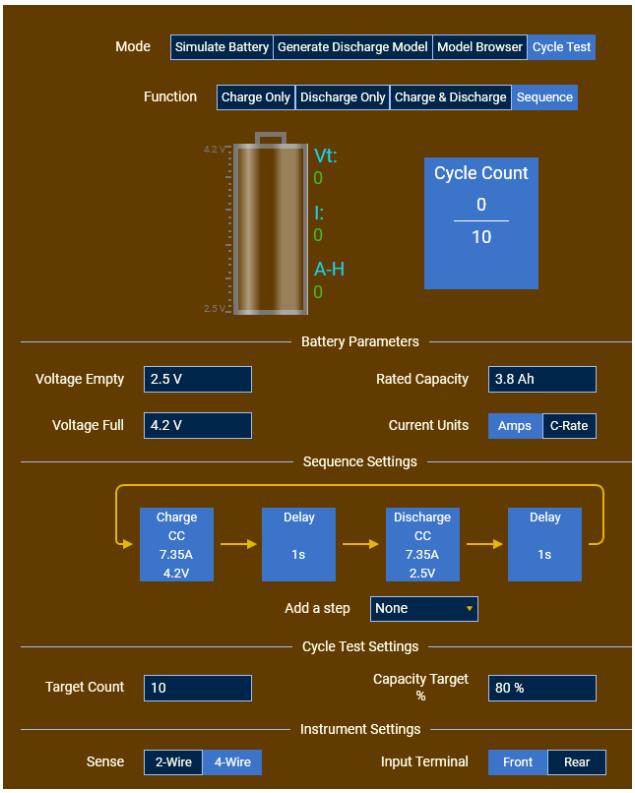
ALL KICKSTART APPS

ENHANCEMENTS

Issue number:	KS-7923
Description:	Runs in Run History dialog now can be named with up to 16 characters. The default run name is blank with a watermark of "Specify Run Name".
Issue number:	KS-7156
Description:	Data Logger App: Corrected an issue with DMM6500 not retaining the selected scan card (2001-TCSCAN or 2000-SCAN)

BATTERY SIMULATOR APP

ENHANCEMENTS

Issue number:	KS-7893
Description:	Battery Simulator App: New Sequence function added to the Cycle Test mode. The Sequence function now allows any number of configurable Charge, Delay, & Discharge steps to be executed (and repeated if Target Count is > 1). 
Issue number:	KS-7895 (KS-7922)
Description:	Battery Simulator App: Simulate Battery Mode has been enhanced as follows: Added new capability to enable current digitizing for use with Model 2461 with digitization rates from 1KHz-1MHz 1. Added new Enable Digitize & Digitize Rate controls 2. Added new Sample Count control 3. Added new NPLC control 4. Added new Measure Range control

Issue number:	KS-7922
Description:	Battery Simulator App: Simulate Battery Mode has been enhanced as follows: Added new capability to enable current digitizing for use with Model 2461 with digitization rates from 1KHz-1MHz 1. Added new Enable Digitize & Digitize Rate controls 2. Added new Sample Count control 3. Added new NPLC control 4. Added new Measure Range control
Issue number:	KS-7928 (KS-7922)
Description:	Battery Simulator App: Simulate Battery Mode has been enhanced as follows: Added new capability to enable current digitizing for use with Model 2461 with digitization rates from 1KHz-1MHz 1. Added new Enable Digitize & Digitize Rate controls 2. Added new Sample Count control 3. Added new NPLC control 4. Added new Measure Range control

FIXED ISSUES

Issue number:	KS-7896
Description:	Battery Simulator App: Cycle Test Mode: Discharge Only function using 26xxA/B SMUs had incorrect timestamps and thus readings out of order. The test now uses corrected timestamps.
Issue number:	KS-7912
Description:	Battery Simulator App: Generate Discharge Model Mode: - A discharge test which encounters High ESR values > 10 Ω will issue a real-time warning and a choice to stop or continue with discharge. - When a model is generated which has High ESR values > 10 Ω a warning message will be displayed and the model will be invalid, but available for inspection and can be edited in the model browser to make a valid model. This issue has been resolved.

DATA LOGGER APP

FIXED ISSUES

Issue number:	KS-7945
Description:	Data Logger App: Fixed problem with Scan Stop After Duration not working with a saved app. This issue has been resolved.

IV CHARACTER APP

KNOWN ISSUE

Issue number:	KS-7946
Description:	IV Character App -- 2636B, 2635B, and 2634B Firmware Known Issue: Measurement Glitch and Hysteresis during Range Change. There is a firmware bug observed in the 2636B, 2635B, and 2634B causing hysteresis in the 1 nA range and a glitch when switching from the 1 nA range to the next range (10 nA). Workaround: Disabling the analog filter on the instrument significantly improves the results. Alternatively, can add a delay of 100 ms in KickStart.

GENERAL INFORMATION

SUPPORTED MODELS

This software is intended for use with the following Keithley Instruments and Tektronix product models using USB, LAN (ethernet), or GPIB interfaces. The use of RS-232 (serial) is not supported. You can find the supported operating systems here: Supported operating systems.

Product category					
AFG					
31021	31022	31051	31052	31101	31102
31151	31152	31251	31252		
DAQ					
2700	2701	2750	3706A	3706A-NFP	DAQ6510*
*Includes DAQ6510-US					

SWITCH CARD					
2000-SCAN	2001-TCSCAN	3720	3721	3722	3723
3724	7700	7701	7702	7703	7706
7707	7708	7710			
DMM					
2000	2010	2100	2110	DMM6500*	DMM7510*
*Includes DMM6500-US, DMM-7510-US, DMM-7510-NFP, DMM7510-NFP-US, DMM7510-RACK, DMM7510-RACK-US, DMM7510-NFP-RACK, DMM7510-RACK-US					

SMU					
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	2601B-PULSE	2602A	2602B	2604B	2606B
2611A	2611B	2612A	2612B	2614B	2634B
2635B	2636A	2636B	2651A	2657A	

SENSITIVE					
6430	6485	6487	6514	6517A	6517B
POWER SUPPLY					
222x	223x	2280S-32-6	2280S-60-3	2281S-20-6	2200-20-5
2200-30-5	2200-32-3	2200-72-1	2200-60-2	2260B-30-36	2260B-80-13
2260B-250-4	2260B-800-1	2260B-30-72	2260B-80-27	2260B-30-108	2260B-250-9
2260B-800-2	2260B-250-13	2260B-800-4	2231A-30-3	2306-LAN	

OSCILLOSCOPE					
DPO3012	DPO3014	DPO3032	DPO3034	DPO3052	DPO3054
DPO4014B	DPO4032	DPO4034	DPO4034B	DPO4054	DPO4054B
DPO4102B	DPO4102B-L	DPO4104	DPO4104B	DPO4104B-L	MDO3012
MDO3014	MDO3022	MDO3024	MDO3032	MDO3034	MDO3052
MDO3054	MDO3102	MDO3104	MDO32	MDO34	MDO4014-3
MDO4014B-3	MDO4024C	MDO4034-3	MDO4034B-3	MDO4034C	MDO4054-3
MDO4054-6	MDO4054B-3	MDO4054B-6	MDO4054C	MDO4104-3	MDO4104-6
MDO4104B-3	MDO4104B-6	MDO4104C	MSO22	MSO24	MSO44
MSO44B	MS046	MS046B	MSO54	MSO54B	MSO56
MSO56B	MSO58	MSO58B	MSO58LP	MSO64	MSO66
MS068	MSO64B	MSO66B	MS068B	MSO3012	MSO3014
MSO3032	MSO3034	MSO3052	MSO3054	MSO4012B	MSO4012B-L
MSO4032	MSO4034	MSO4034B	MSO4054	MSO4054B	MSO4104
MSO4104B	TBS1000C	TBS1022	TBS1032B	TBS1032B-EDU	TBS1042
TBS1052B	TBS1052B-EDU	TBS1052C	TBS1062	TBS1064	TBS1072B
TBS1072B-EDU	TBS1072C	TBS1102	TBS1102C	TBS1104	TBS1152
TBS1152B	TBS1154	TBS1202B	TBS1202C	TBS2072B	TBS2074B
TBS2102B	TBS2104B	TBS2202B	TBS2204B	TBS1202B-EDU	TBS2000B
TBS2072	TBS2074	TBS2102	TBS2104	TBS2202	TBS2204
TDS210	TDS220	TDS224	TDS1001	TDS1001B	TDS1001C-SC

OSCILLOSCOPE (CONTINUED)					
TDS1002	TDS1002B	TDS1002C-SC	TDS1012	TDS1012B	TDS1012C-SC
TDS2001C	TDS2002	TDS2002B	TDS2002C	TDS2004	TDS2004B
TDS2004C	TDS2012				
TDS2012B	TDS2012C	TDS2014	TDS2014B	TDS2014C	TDS2022
TDS2022B	TDS2022C	TDS2024	TDS2024B	TDS2024C	
DC ELECTRONIC LOAD					
2380-120-60	2380J-120-60	2380-500-15	2380J-500-15	2380-500-30	2380J-500-30

SUPPORTED OPERATING SYSTEMS

KickStart is supported on the following operating systems:

Microsoft® Windows® 11 and Windows 10, 64-bit; KickStart version 2.0.0 and newer

Microsoft Windows 7 and Windows 8; however, KickStart is no longer evaluated or updated to support these obsolete operating systems

SUPPORTED COMMUNICATION INTERFACES

USB

LAN

GPIB

MINIMUM PC REQUIREMENTS

Processor: Dual-core processor @ 2 GHz or better

NTFS file system

RAM: 8 GB

Display resolution: Minimum 1920 × 1080 recommended

Disk drive space required: 8 GB of free space

RECOMMENDED PC REQUIREMENTS

Processor: 4-core processor @ 2 GHz or better

NTFS file system

RAM: 16 GB or more

Display resolution: Minimum 1920 × 1080 recommended

Disk drive space recommended: 100 GB or more free space for data storage

MINIMUM VIDEO HARDWARE REQUIREMENTS (SCICHART)

The SciChart software renderers work with any video adapter, including virtual or emulated adapter, integrated graphics, and virtual machines

DirectX 9c capable (DirectX 11 preferred) Video Card (GPU)

256MB of Video RAM

Recommended hardware:

nVidia GeForce GTX 1050 or later or equivalent AMD Radeon GPU

2GB of VRAM

SOFTWARE PREREQUISITES

NI VISA™ 17.5 Runtime Engine or later (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

NOTE

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

INSTALLATION INSTRUCTIONS

To install KickStart software:

1. Download the KickStart 2.11.5 installer from tek.com/keithley-kickstart.
2. Unzip the file and run `KickStartSetup.exe`.
3. Follow the installation instructions and accept all default settings.

The required files are installed in the following default location:
`C:\Program Files\Keithley Instruments\KickStart.`

KickStart version 2.11.5 requires a software license. You can activate a one-time, 30-day free trial with all KickStart applications included. For more information on licenses available for KickStart, visit tek.com/keithley-kickstart.

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

KICKSTART INSTRUMENT CONTROL SOFTWARE HISTORY

Version	Release date
2.11.5	May 2026
2.11.4	August 2025
2.11.3	February 2025
2.11.2	September 2024
2.11.1	December 2023
2.11.0	August 2023
2.10.1	March 2023
2.10.0	December 2022
2.9.0	July 2022
2.8.0	April 2022
2.7.0	November 2021
2.6.0	September 2021
2.5.0	April 2021
2.4.0	November 2020
2.3.0	April 2020
2.2.1	February 2020

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