KEITHLEY
A Tektronix Company

Series 2600B System SourceMeter® Instruments

Version 4.0.3 Firmware Release Notes

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

Contents

General Information

Supported models

CAUTION Do not install this firmware on Series 2600 (Models 2601, 2602, 2611, 2612, 2635, 2636), Series 2600A (Models 2601A, 2602A, 2611A, 2612A, 2635A, 2636A), or Series 2650A (Models 2651A, 2657A) instruments. For additional instrument information, see the Upgrade considerations for all Series 2600B models below.

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

2601B	2602B	2604B
2611B	2612B	2614B
2634B	2635B	2636B

Installation instructions

For detailed firmware installation instructions, refer to the "Upgrading the firmware" topic in the "Maintenance" section of the *Series 2600B System SourceMeter® Instruments Reference Manual* (document number: 2600BS-901-01). This manual is available online at Series 2600B System SourceMeter Reference Manual. If you decide to upgrade the firmware in your instrument, follow the instructions in the manual. Alternatively, you can arrange to have Keithley Instruments upgrade your firmware at the factory by calling your local Keithley Instruments support office.

Upgrade considerations for all Series 2600B models

The following table lists the upgrade considerations regarding your Series 2600B instrument firmware to version 4.0.3.

Consideration for upgrade	version 4.0.1
Recalibration required?	No
Backward compatibility concerns?	No
Requalification recommended?	No
Should you upgrade?	Yes (review[1])

NOTE For your instruments to work properly, it is required that you to upgrade your firmware to version 4.0.3. See Version 4.0.1 Release for more detail.

[1] Review the complete list of changes made in all firmware versions between your current version and the version you are installing. If you are using version 3.x.x, or previous versions, you will not be able to upgrade.

Version 4.0.3 Release

Overview

Version 4.0.3 is the latest release of the Series 2600B firmware. This release provides critical information for the Models 2601B, 2602B, 2604B, 2611B, 2612B, 2614B, 2634B, 2635B, and 2636B.

Critical fixes

SK-1781	**Models affected:** 2601B, 2602B, 2604B, 2611B, 2612B, 2614B, 2634B, 2635B, 2636B
Symptom	In Version 4.0.1 when using DHCP/Auto Lan feature without a DHCP server, the instrument would not switch over to DLLA mode correctly, which caused the instrument to wait for an IP address indefinitely.
Workaround	This issue has been resolved.

SK-1505	**Models affected:** 2601B, 2602B, 2604B, 2611B, 2612B, 2614B, 2634B, 2635B, 2636B
Symptom	The instrument does not respond the first time the output on/off button is pressed.
Workaround	This issue has been resolved.

SK-1401	**Models affected:** 2601B, 2602B, 2604B, 2611B, 2612B, 2614B, 2634B, 2635B, 2636B
Symptom	When taking measurements after using the instrument in a TSP-Link network, the instrument will spontaneously lockup for a period then return to normal operating status.
Workaround	This issue has been resolved.

SK-1397	**Models affected:** 2601B, 2602B, 2604B, 2611B, 2612B, 2614B, 2634B, 2635B, 2636B
Symptom	Some USB thumb drive devices are not recognized by the instrument when inserted.
Workaround	This issue has been resolved.

SK-1374	**Models affected:** 2601B, 2602B, 2604B, 2611B, 2612B, 2614B, 2634B, 2635B, 2636B
Symptom	The SMU intermittently adds an offset to current values while it is sourcing and measuring.
Workaround	This issue has been resolved.

Known issues

SK-1598	**Models affected:** 2601B, 2602B, 2604B, 2611B, 2612B, 2614B, 2634B, 2635B, 2636B
Symptom	When operating in a TSP-LINK network with multiple instruments, occasionally the Master Node would lose connection with one of the connected nodes in the network causing an error.
Workaround	A power cycle of the disconnected node is required to recover from this error.

SK-1655	**Models affected:** 2601B, 2602B, 2604B, 2611B, 2612B, 2614B, 2634B, 2635B, 2636B
Symptom	When Line Frequency setting is set to Auto, under very rare circumstances the instrument detects 50Hz line frequency as 60 Hz.
Workaround	When operating the instrument under 50Hz Line Frequency, set the Line Frequency setting to 50 Hz instead of Auto.

Version 4.0.2 Release

Overview

Version 4.0.2 was a release for internal purposes only.

Version 4.0.1 Release

Overview

Version 4.0.1 was a public release. For your instruments to work properly, it is required that you upgrade your firmware to version 4.0.3.

Version 4.0.0 Release

Overview

Version 4.0.0 was a release for internal purposes only.