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Model 2401 SourceMeter®
Version B04 Firmware Release Notes

Contents

General Information

Supported Models

This firmware is used on the following Keithley Instruments product model:

Model 2401 SourceMeter®

Installation Instructions

Download the following from the Keithley Support Website
- The Keithley Flash Wizard32, version C12 or higher (if you do not already have this)
  - o Unzip the files in a folder of your choice and then run the "setup.exe" program.
  - o Follow the instructions to install the program.
- The firmware revision image file you want to install on your Model 2401 instrument.

Perform the following steps to install the firmware revision onto the Model 2401 instrument:
1. Run the Flash Wizard program.
2. Select the appropriate interface at the Communications Select screen and follow any subsequent instructions.
3. Ultimately the program should auto-detect the 2401.
4. You will then be asked to specify the firmware file.
5. The upgrade proceeds from there.

It typically only takes a few minutes. Contact Keithley if you have any problems

Upgrade Considerations for 2401

The following table outlines the considerations that should be made when deciding to upgrade to this version or not from any previous version.

Consideration	From A01	From B01	From B02
Recalibration Required	---	No	No
Re-qualification Suggested	---	No	No
Should you upgrade?	No	Review	Review

A Model 2401 instrument with Version A01 firmware is incompatible with Version 'B' firmware, such as B03. You should not upgrade A01 to any 'B' versions. Contact Keithley Instruments if you require upgrades.

Version B04 Release

Overview

Version D04 is a maintenance-only release to support the new 10-digit serial number format.

Critical fixes

There are no critical fixes included in this release.

Enhancements

There are no enhancements included in this release.

Version B03 Release

Overview

Version B03 release fixes issues with RS-232 flash upgrades, RS-232 break-byte functionality, and range change problems.

Critical fixes

AR 66391 **Models affected:**

2401

Symptom:

Flash upgrades utilizing RS-232 would fail at all baud rates.

Resolution:

The issue has been corrected.

Non-critical fixes

AR 67009 **Models affected:**

2401

Symptom:

When sourcing 100 mA at 2 V compliance and measuring voltage, switching the source range to the 1 A range would cause a problem that would cause the measured value to be incorrect.

Resolution:

The issue has been corrected.

AR 66390 **Models affected:**

2401

Symptom:

When attempting to send a break-byte character to the unit, the pending operation would not be stopped.

Resolution:

The issue has been corrected.

Version B02 Release

Overview

Version B02 release is to address issues with RS-232 on the new hardware in the Model 2401 SourceMeter®.

Critical fixes

PR 61943 **Models affected:**

2401

Symptom:

RS-232 serial communication experiences issues when the baud rate is greater than 9600. Additionally, a baud rate of 300 is not supported on new hardware.

Resolution:

The communication issues when the baud rate is greater than 9600 have been corrected. Removed option of 300 baud rate from unit.

Enhancements

There are no enhancements included in this release.

Version B01 Release

Overview

The Version B01 release supports new hardware in the Model 2401 SourceMeter®.

Critical Fixes

No fixes are included.

Enhancements

No Enhancements are included.

Version A01 Release

Overview

The Version A01 release is the initial release of the Model 2401 SourceMeter®.

Known Issues

There are no known issues with version A01.