
Contents

| | |
|--------------------------------------------------------------------|---|
| General Information | 2 |
| Supported models | 2 |
| Installation instructions | 2 |
| Upgrade considerations for Models 707B, 708B | 2 |
| Version 1.02 Release | 2 |
| Overview | 2 |
| Critical fixes | 3 |
| Enhancements | 3 |
| Noncritical fixes | 3 |
| Known issues | 3 |
| Version 1.01 Release | 4 |
| Overview | 4 |
| Critical fixes | 4 |
| Enhancements | 4 |
| Noncritical fixes | 5 |
| Known issues | 5 |
| Version 1.00 Release | 5 |
| Overview | 5 |

General Information

Supported models

This firmware is used on the following Keithley Instruments products:

Models 707B, 708B, and all compatible cards

Installation instructions

For other releases, firmware installation instructions are given in the “Appendix A: Maintenance – Upgrading Firmware” section in the 707B and 708B Reference Manual (document number: 707B-901-01). This manual is available the Keithley Instruments website at <http://www.keithley.com/support>. Alternatively, you can get upgrade assistance from Keithley by calling your local Keithley support office.

Upgrade considerations for Models 707B, 708B

This release updates the firmware for the 707B and 708B mainframe.

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

| Upgrade considerations | | | | |
|---------------------------|-------------------------|----------------------------|----------------------------------|---------------------|
| Existing firmware version | Recalibration required? | Requalification suggested? | Backward compatibility concerns? | Should you upgrade? |
| 1.01 | No | Yes | No | Yes |
| 1.00 | No | Yes | No | Yes |

Version 1.02 Release

Overview

The 707B and 708B version 1.02 firmware is a problem fix release. Some problem corrections may impact compatibility, please review the corrections prior to installation.

The following table lists the exact version numbers of the available 707B and 708B components when the firmware upgrade is complete.

| Model | Version |
|-------------------------------------------|---------|
| 707B or 708B Mainframe | 1.02a |
| 7072 Semiconductor Matrix | 2.XXx |
| 7072-HV High Voltage Semiconductor Matrix | 2.XXx |
| 7073 High Frequency Coaxial Matrix | 2.XXx |
| 7173-50 2-Pole High Frequency Matrix | 2.XXx |
| 7174A High Speed Low Current Matrix | 2.XXx |
| 7177 Calibration Card | 2.XXx |
| 7150 Test Card | 1.40a |

(Note: 2.XXx refers to multiple possible versions which start with a major revision of 2.)

Critical fixes

PR43369 **Models affected:**

707B 708B

Symptom:

Some units may fail to initialize (three dots will appear on the front panel display) or may operate unpredictably at high temperatures.

Resolution:

The unit now operates properly.

Enhancements

None

Noncritical fixes

None

Known issues

None

Version 1.01 Release

Overview

The 707B and 708B version 1.01 firmware is a problem fix release. Some problem corrections may impact compatibility, please review the corrections prior to installation.

The following table lists the exact version numbers of the available 707B and 708B components when the firmware upgrade is complete.

| Model | Version |
|-------------------------------------------|---------|
| 707B or 708B Mainframe | 1.01a |
| 7072 Semiconductor Matrix | 2.XXx |
| 7072-HV High Voltage Semiconductor Matrix | 2.XXx |
| 7073 High Frequency Coaxial Matrix | 2.XXx |
| 7173-50 2-Pole High Frequency Matrix | 2.XXx |
| 7174A High Speed Low Current Matrix | 2.XXx |
| 7177 Calibration Card | 2.XXx |
| 7150 Test Card | 1.40a |

(Note: 2.XXx refers to multiple possible versions which start with a major revision of 2.)

Critical fixes

PR43154 Models affected:

707B

Symptom:

A scan using a card in slot six will not complete. The scan stops on a step which includes slot six.

Resolution:

A scan completes as expected on all slots.

PR43216 Models affected:

707B, 708B

Symptom:

A scan which steps from one slot to another slot may sometimes stop on the slot transition.

Resolution:

A scan completes as expected when crossing slots.

Enhancements

None

Noncritical fixes

None

Known issues

None

Version 1.00 Release

Overview

Initial product release.