Keysight M960xA PXIe Precision Source/Measure Unit Software

Version 4.6.2428.0

Release Date:	April 17, 2023
Operating system:	Microsoft Windows 10, Microsoft Windows 8.1, Microsoft Windows 7
File Name:	M960xSetup-4.6.2428.0.exe
License:	No License Required

Note

– The firmware update is required after the installation of the M960x PXIe Precision Source/Measure Unit Instrument Drivers by following the installation instruction available in the same download page.

Enhancements

– Upgraded Licensing Manager and Service to version 5.5. (#1784)

Bug Fixes

– Fixed: Unexpected green flashing on identification for a failed module. (#1607)
– Fixed: M9601A measurement timestamp cannot be reset. (#1776)

Version 4.5.2398.0

Release Date:	Jan 25, 2023
File Name:	M960xSetup-4.5.2398.0.exe

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Note

– The firmware update is required after the installation of the M960x PXIe Precision Source/Measure Unit Instrument Drivers by following the installation instruction available in the same download page.

New Features

– Reduced self-test and self-calibration time for multi-channel SMUs. (#412, 442)

Bug Fixes

– Fixed: The SCPI server may hang when sending a command with an invalid channel number. (#1704)

– Fixed: The SFP shortcut button may not appear in NI-MAX. (#1708)

– Fixed: The module may not appear in SFP, When NI Resource Manager is selected. (#1709)

– Fixed: ":FETCh:STATus?" may returns an incorrect status. (#1711)

– Fixed: The SFP may hang when trigger source count is -1. (#1721)

– Fixed: Sampling measurements by M9601A may be slow. (#1727)

– Fixed: The SCPI server may fail to start due to "PalIO.dll load failed" error. (#1731)

– Fixed: ":SENS:DATA? CURR" may return more data than the specified data size. (#1733)

– Fixed: The calibration status on SFP may be incorrect. (#1735)

– Fixed: An unexpected ADC FIFO Read Timeout error may occur in the M9614/15A self-test. (#1744)

– Fixed: It may take some time to return to the base value after sweep. (#1752)

– Fixed: The effective range of Power Supply Mode for M9601A may be incorrect. (#1754)

Version 4.2.22430

Released Date:	25 Mar. 2022
File Name:	M960xSetup-4.2.2243.0.exe

Note

– The firmware update is required after the installation of the M960x PXIe Precision Source/Measure Unit Instrument Drivers by following the installation instruction available in the same download page.

New Features

– Supported options for Initialize function to restore parameters and retain the output state. (#217)

– Supported infinite transient trigger count. (#304)

– Supported output resistance. (#1670)

– Supported dummy data generation for sweep measurement in simulation mode. (#289)

Bug Fixes

– Fixed: Unexpected parameter error may occur when initiating trigger system after using GroupSync function. (#443)

– Fixed: "MEAS?" hangs when the SMU is in an emergency shutdown status. (#1165)

– Fixed: SFP may hang during power-on self-test. (#1660)

– Fixed: If the list sweep length exceeds 100 points, "Data out of range" error occurs. (#1663)

– Fixed: SFP terminates abnormally if an emergency shutdown error occurs during the power-on self-test of the M9614/15A. (#1669)

Version 4.1.2067.0

Released Date:	23 Oct. 2021
File Name:	M960xSetup-4.1.2067.0.zip

Note

– The firmware update is required after the installation of the M960x PXIe Precision Source/Measure Unit Instrument Drivers by following the installation instruction available in the same download page.

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New Features

– Supported commands to query the firmware revision number of a module. (#1492)

Enhancements

– Improved the performance of spot measurements. (#1235)

Bug Fixes

– Fixed: ":FETCh:SCALar?" may not return the last data of a sweep measurement. (#1638)

– Fixed: ":SYSTem:VERSion?" may not return the correct version. (#1639)

– Fixed: Device Clear may not be able to abort the operation. (#1650, 1655)

– Fixed: viClear( ) causes an application crash on VXI-11. (#1652)

– Fixed: Spikes which occurs when range changing between 100 mA range to 100 µA range in M9601A. (#1507)

Version 4.0.1986.0

Released Date:	23 Aug. 2021
File Name:	M960xSetup-4.0.1986.0.zip

Note

– The firmware update is required after the installation of the M960x PXIe Precision Source/Measure Unit Instrument Drivers by following the installation instruction available in the same download page.

New Features

– Supported SCPI server

Enhancements

– Improved the performance of the trigger. (#1440)

Bug Fixes

- Fixed: Spikes which occurs when range changing between 10 µA range to 100 µA range in M9601A. (#1507)

Version 3.5.1755.0

Released Date:	16 Apr. 2021
File Name:	M960xSetup-3.5.1755.0.zip

Note

- The firmware update is required after the installation of the M960x PXIe Precision Source/Measure Unit Instrument Drivers by following the installation instruction available in the same download page.

New Features

- Supported PX0107A Low noise filter adapter for M9614A and M9615A PXIe 5-Channel Precision Source/Measure Units, which enables you to evaluate noise sensitive devices and circuits such as quantum computing and many types of analog and RF ICs.

- Supported Laser Diode Mode for M9602A and M9603A PXIe Precision Source/Measure Units, which is effective in applying pulse currents with fast rise time and measuring devices such as a laser diode or VCSEL.

Enhancements

- Enlarged the voltage range to 17 V for 5 A pulsed range of M9602A and M9603A PXIe Precision Source/Measure Units.

- Supported Trigger I/O configuration dialog on SFP.

Bug Fixes

- Fixed: SFP may not connect more than 20 modules. (#1301)

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Version 3.0.1661.0

Released Date:	04 Feb. 2021
File Name:	M960xSetup-3.0.1661.0.zip

Note

- The firmware update is required after the installation of the M960x PXIe Precision Source/Measure Unit Instrument Drivers by following the installation instruction available in the same download page.

Bug Fixes

- Fixed: The Model option doesn't work on simulation mode. (#1159)

- Fixed: Unexpected current range is selected for pulsed current list sweep on M9602A/03A. (#1160)

- Fixed: The software may hang-up by an emergency event. (#1173, 1179)

- Fixed: The status may not be set correctly when using seamless current measurement ranging on M9614/15A. (#1190, 1241)

Version 3.0.1510.0

Released Date:	30 Oct. 2020
File Name:	M960xSetup-3.0.1510.0.zip

Note

- The firmware update is required after the installation of the M960x PXIe Precision Source/Measure Unit Instrument Drivers by following the installation instruction available in the same download page.

New Features

- Supported M9602A and M9603A PXIe Precision Source/Measure Units.

Bug Fixes

- Fixed: The M9601A may fail at power-on self-test. (#334)

- Fixed: The M9601A is reset by interlock failure error. (#869)

- Fixed: An unexpected error occurs when the seamless current ranging turns on. (#915)

- Fixed: Inappropriate characters are output to csv when the measurement results are infinity on SFP. (#1010)

- Fixed: The software may hang-up by an emergency event. (#1061)

- Fixed: The M9601/14/15A may hang-up at power-on self-test. (#1092)

Version 2.0.1263.0

Released Date:	14 Aug. 2020
File Name:	M960xSetup-2.0.1263.0.zip

New Features

- Supported M9614A and M9615A PXIe 5-Channel Precision Source/Measure Units.

Enhancements

- Supported Save/Load Settings on SFP. (#160)

Bug Fixes

- Fixed: The value may not be set or returned correctly on IVI-C driver. (#595, #716, #734)

- Fixed: The aperture time may be slightly shorter than the specified value. (#643, #646)

- Fixed: The source value returned by KtM960x_MeasurementFetchArrayData may not be correct. (#729, #743)

- Fixed: The voltage output may not be correct for list sweep with digitizer mode. (#748)

- Fixed: The program may hang up when an interlock failure occurs. (#862, 880)

- Fixed: The interlock value may not be set for multiple modules. (#900)

Version 1.0.31.0

Released Date:	13 March. 2020
File Name:	M960xSetup-1.0.31.0.zip

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Bug Fixes

- Fixed: The wait time after changing voltage/current may not be correct. (#410, #411, #468)

- Fixed: The voltage output may not be correct when continuous trigger output is enabled. (#463, #464)

- Fixed: The session may not be opened for large number of modules. (#472, #480)

- Fixed: The unexpected error may occur when controlling modules in multiple chassis. (#450, #477)

- Fixed: The unexpected interlock error may occur. (#492, #493, #494)

- Fixed: The trigger may not be aborted. (#386, #414)

- Fixed: The invalid commands may be logged on Monitor Driver Calls on Soft Front Panel. (#534)

- Fixed: Operation mode may not be set correctly. (#547)

Version 1.0.9.0

Released Date:	30 November. 2019
File Name:	M960xSetup-1.0.9.0.zip

Initial Release