

U1092A-S01/S02/S03

AcqirisMAQS Multichannel Acquisition Software

7.5 Version Information

Released Date:	July 13, 2017
Operating systems:	Windows 7 SP1, Windows 8.1, Windows 10
Required Software:	IVI Compliance Package version 15.0 or greater (download from www.ni.com) Keysight MD1 or MD2 driver, version 2.3 or later Keysight IO Libraries Suite, version 2017 Update 1 or later
Supported Instruments	All digitizer products using MD1 or MD2 drivers, including: U1061A, U1062A, U1063A, U1064A, U1065A, U1066A, U1067A, U1068A, U1069A, U1070A, U1071A, U1080A, U1081A, U1082A, U1084A, M9202A, M9210A, M9211A, M9703A, U5303A, U5903A, M9709A, M9703B, M9203A, U5310A, M9710A. U1050A (TC840 & TC842)
File Name:	MAQS_Software_DVD_7.5.4.exe

Resolved issues

- Computation of measurements that need a second waveform (i.e ChToChDT).
- The 'ChannelTemp' attribute values weren't displayed when supported.
- Use a precision of 5 digits to display 'BoardTemp' & 'ChannelTemp' attributes.
- File size in the Single Shot dialog.
- Client access rights status.

New Features

- AXIe_SYNC external trigger support.
- Enhanced instrument status in Single-shot dialog.
- Single-shot Archive panel only activated once files ready to be archived.
- The cursor panel show state can be set from the 'Cursor Panel' item of the trace table context menu.

7.4.20 Version Information

Released Date:	February 19, 2017
Operating systems:	Windows 7 SP1, Windows 8.1, Windows 10
Required Software:	IVI Compliance Package version 15.0 or greater (download from www.ni.com) Keysight MD1 or MD2 driver, version 2.2 or later Keysight IO Libraries Suite, version 17.2 Update 2 or later
Supported Instruments	All digitizer products using MD1 or MD2 drivers, including: U1061A, U1062A, U1063A, U1064A, U1065A, U1066A, U1067A, U1068A, U1069A, U1070A, U1071A, U1080A, U1081A, U1082A, U1084A, M9202A, M9210A, M9211A, M9703A, U5303A, U5903A, M9709A, M9703B, M9203A, U5310A, M9710A. U1050A (TC840 & TC842)
File Name:	MAQS_Software_DVD_7.4.20.exe

Resolved issues

- Conflict between <Ctrl+E> and <E> shortcuts in Channel View:
Shortcuts have been redefined as follows:
 - <Ctrl+E>: select only enabled channels (previously <E>)
 - <Ctrl+C>: toggle Expand/Collapse all items
- Drag & drop of an Instrument did not preserve the channel selection.
- Clicking on an item in the Information column of the Autostore dialog failed to open the folder where results are stored.
- Miscellaneous corrections in the Instrument Settings table.
- Trigger threshold attributes unavailable for AqD1 instruments.
- Miscellaneous corrections with Lock/Unlock instruments.

7.4 Version Information

Released Date:	December 19, 2016
Operating systems:	Windows 7 SP1, Windows 8.1, Windows 10
Required Software:	IVI Compliance Package version 15.0 or greater (download from www.ni.com)
Supported Instruments	All digitizer products using MD1 or MD2 drivers, including: U1061A, U1062A, U1063A, U1064A, U1065A, U1066A, U1067A, U1068A, U1069A, U1070A, U1071A, U1080A, U1081A, U1082A, U1084A, M9202A, M9210A, M9211A, M9703A, U5303A, U5903A, M9709A, M9703B, M9203A, U5310A, M9710A. U1050A (TC840 & TC842)
File Name:	MAQS_Software_DVD_7.4.18.exe

New Features

- Added support of M9203A, U5310A, and M9710A.
- Support of Windows 10.
- Support for AgMD2 Data Locking (Single Shot mode).
- Removed 4GB limitation for per waveform allocated memory.
- Log files now saved in '%LOCALAPPDATA%\Keysight\AcqirisMAQS' folder.
- 8bit, 16bit and 32bit data readout support for MD2 instruments.
- Acquisition performance attributes are now by instrument (Instrument Setting/Advanced tab) and no longer require a server restart to be taken into account:
 - 'acqPerfsEnableSleep' Enable acquisition sleep.
 - 'acqPerfsSleepMs' Acquisition sleep in ms.
 - 'acqPerfsMode' Selection between interrupt or polling mode.
 - 'acqPerfsIntTimeoutMs' Interrupt mode timeout value in ms.
- New attributes in Instrument Setting/Advanced tab (for supporting models only, see User Manual for details):
 - 'resetTimestamp' Reset timestamp of software-triggered acquisitions.
 - 'calibrationEqualization' Self-calibration equalization.
 - 'errorOnOverrangeEnabled' Enable read/fetch error on ADC overrange.
- New shortcuts in Channel View:
 - <Ctrl-Drag>: select all channels while dragging.
 - <1..8>: indexed channel selection.
 - <E>: select enabled channels only.
- "What's This" description in Channel View.
- Monitoring dock widget in Server.
- Autostore dialog improvements.
- New command 'Restart with Reset' available from systray menu.

Bug Fixes

- Incorrect number of samples in Live mode.
- Waveform memory allocation.
- Incorrect dataType field in HDF5 files saved with 64-bit floating-point data.
- Some Attributes values not taken into account (e.g. trigger delay in a Waveform Display, user unit in the Trace table).
- IviScope Live mode.
- Waveform trace display issue after enabling channel data readout.
- Missing 'Snapshot only displayed attribute' option in Preferences.
- Background color behavior of Instrument Settings disabled rows.
- Crash when pasting empty cells in a Counter Display.
- Refresh of persistence waveforms.
- Trace refresh after changing the number of records.
- Server disconnection/client freeze issues when working with very large acquisitions.

- Incorrect computation of lviDigitizer acquisition timestamps.
- M9703B: added range for 'trOutputSource' attribute.

For details about previous versions, please see the following file:

<InstallationDirectory>\bin\ReadMeAcqirisMAQS.txt

7.2 Version Information

Released Date:	14 December 2015
Operating systems:	Windows 7, Windows 8.1
Required Software:	IVI Compliance Package version 4.6.1 or greater (download from www.ni.com)
Supported Instruments	All digitizer products using MD1 or MD2 drivers, including: U1061A, U1062A, U1063A, U1064A, U1065A, U1066A, U1067A, U1068A, U1069A, U1070A, U1071A, U1080A, U1081A, U1082A, U1084A, M9202A, M9210A, M9211A, M9703A, U5303A, U5903A, M9709A, M9703B
File Name:	MAQS_Software_CD_7.2.2.exe

New Features

- Autostore dialog: added Serial number, Triggered, Stored, Free space, File size and Time columns.

Bug Fixes

- Solve unexpected server crashes while running acquisition.
- Ensure that autostore performance doesn't decrease with number of acquisitions above 1 million.
- Resolve computing of Acq. rate and Disk speed in the Autostore dialog.

7.1 Version Information

Released Date:	7 July 2015
Operating systems:	Windows XP SP3 Windows 2000 Windows 7, Windows 8
Required Software:	IVI Compliance Package version 4.6.1 or greater (download from www.ni.com)
Supported Instruments	U1050A, U1061A, U1062A, U1063A, U1064A, U1065A, U1066A, U1067A, U1068A, U1069A, U1070A, U1071A, U1080A, U1081A, U1082A (Not AVG, TDC or SSR modes), U1084A-DGx, U1091AAC1, U1091ASC1, M9202A, M9210A, M9211A, M9703A, U5303A, U5903A, M9709A
File Name:	MAQS_Software_CD_7.1.3.exe

New Features

- Added support for AgMD2 Reference Oscillator and Trigger Output.
- Added Server Preferences persistence
- If not present, the following products will be installed before AcqirisMAQS:
 - Microsoft Visual C++ 2010 Redistributables v10.0.40219
 - Keysight VISA Shared Components v1.6
 - IVI Shared Components v2.3.0
- Added new 'Check enabled channels' menu item in the Channel View context menu.
- Added IPv4 address selection in the Network panel of the Preferences dialog.
- New command-line option for the installer, /x86, to force a 32bit installation on a 64bit OS. This option replaces the previous /x64 option.
- Keysight MD2 support.
- Support for the GFT1208 driver 1.4.2.0 (S2 license)
- The 'Add measurement' command is now accessible with right-click anywhere within the entire horizontal header of the Trace table.
- Name of the edited cursor is now displayed in the title of the 'Cursor Properties' dialog.
- Added a new command 'Set Time Window Limits...' in the Waveform Display context menu.

Bug Fixes

- Waveform Display global performances, including loading of HDF files.
- Corrected command to synchronize Channel List and Instrument Settings table.
- Impossible to connect to a server currently calibrating an instrument.
- Missing registry items for the 'Server Only' installation.
- Improved responsiveness of the Instrument Settings table with large number of channels.
- Corrected memory leaks.
- Fixed Level Crossing computation of backward scan in Measurement functions.

For more details about bug fixes, please see the following file:

<InstallationDirectory>\bin\ReadMeAcqirisMAQS.txt

6.1 Version Information

Released Date:	15 April 2013
Operating system:	Windows XP SP3 Windows 2000 Windows 7 (32 & 64-bit)
Required Software:	IVI Compliance Package version 4.6.1 or greater (download from www.ni.com)
Supported Instruments	U1050A, U1061A, U1062A, U1063A, U1064A, U1065A, U1066A, U1067A, U1068A, U1069A, U1070A, U1071A, U1080A, U1081A, U1082A (Not AVG, TDC or SSR modes), U1084A-DGx, U1091AAC1, U1091ASC1, M9202A, M9210A, M9211A, M9703A
File Name:	MAQS_Software_CD_6.1.2.exe

New Features

- 64 bit support.
- M9703A support.
- Added a custom files prefix editor in 'Save All Traces' dialog.
- Added 'Ctrl+S' shortcut to open the 'Save All Traces' dialog.
- Regrouped Save/Load Layouts for Application, Waveform Display, and Counter Display in the File menu.
- New attributes: 'Segment Counter Mode', 'Max Samples Per Segment', 'Dithering', 'Data Bandwidth', 'TRG Bandwidth', 'Frequency Shift', 'Flip Band', 'Double Data Rate' and 'Ctrl I/O C'.
- Simulated ASBus multi-instruments no longer available via the 'Create simulated digitizer, averager and analyzer' dialog (only supported via the IS_simulation.AqConfig file).
- The generated instrument simulation file is saved in %USERPROFILE%\AqServer5 folder.
- Fixed CPU resource usage on waveform request when no acquisition done yet.
- Fixed memory leaks & unreferenced pointer when getting attribute value.
- Ensure that all traces are visible after a load from a file.
- Ensure to display traces of the latest acquisition.
- Enhanced waveform communication between client and server.
- Fixed refresh of traces when dataReaout attribute is set to off.
- Removed the useless 'TCP port' line edit in the Network tab of the Preferences dialog.

- Added read data state indicator for channel items in the Channel View.
- Recovery folder names begins with 'Recovered_'.
- Fixed status display in SingleShot dialog.
- Fixed a recursive display of an error message box when editing a Backup folder name that doesn't have a recovery file.
- Fixed refresh of Instrument Settings after Autosetup.
- Fixed row ordering of channels after hide/show.
- Detect replaced multi-instrument slave when loading a system configuration.

Known issues:

- Connection with a server cannot be established if the IP address of the server has been changed dynamically (e.g. network cable disconnected) while the server was running. The server must be restarted.

For details about previous versions, please see the following file:

<InstallationDirectory>\bin\ReadMeAcqirisMAQS.txt

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