**AMM Release Notes**

**AMM2.2.4.0**

[Bug Fixes/Enhancement]

1. Fixed null object reference for U2802A scaling.
2. Fixed zeroing on 64 bits OS (slow).
3. Fixed glitch on U2723A SMU IV curve graph.
4. Agilent U2701A/U2702A USB Modular Oscilloscope :

* Fixed loss of data after first zoom, when the signal is removed before Stop button is pressed.
* Fixed issue of forced closure, when user restore to default zoom level (after zooming in several times)
* Fixed issue of missing waveform for Single Mode, when the timebase is set to 200ms and above.
* Fixed the change in dual zoom waveform, after first time zoom in.
* Fixed the issue of having cursor disabled in the XY mode, to enable measurements.

**AMM2.2.1.0**

[Bug Fixes/Enhancement]

1. Agilent U2722A/U2723A USB Modular Source Measure Units Software :

- Fixed SMU VI graph issue

1. Agilent U2761A USB Modular Function/Arbitrary Waveform Generator Software :

- Removed About Box

- Resized Function/Arbitrary Waveform Generator Editor to smaller form

1. Agilent U2781A USB Modular Instrument Chassis Software :

- Trigger setting for scope is set to "NONE" upon loading AMM if it is connected to chassis

**AMM2.2.0.0**

[New Features]

Windows 7 (64-bit) support for 32-bit application running on a WOW64 (Windows-on-Windows 64-bit) emulator.

[Bug Fixes/Enhancement]

1. Agilent U2761A USB Modular Function/Arbitrary Waveform Generator (ver3.04-3.08-1.06) :
   * Resolved Measurement Board fails to response issue.
2. Agilent U2741A USB Modular 5.5 Digits Digital Multimeter Firmware Driver (ver1.08-1.14-1.06) :
   * Resolved firmware upgrade and invalid calibration data (-NAN) issue.
   * Resolved calibration data replaced to default issue.

**AMM2.1.0.0**

[New Features]

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[Bug Fixes/Enhancement]

1. Agilent U2723A USB Modular Source Measure Units Firmware Driver (ver2.22-2.11-2.06) :
   * Resolved the support issue on E5813A by changing the firmware boot loader (USB LAN Hub Fix)
   * USB Update Bootloader
   * USB Product String Descriptor Length Fix
   * Firmware Download prompt standardization
2. Agilent U2722A USB Modular Source Measure Units Firmware Driver (ver1.10-1.12-1.06) :
   * USB Update Bootloader
   * USB Product String Descriptor Length Fix
   * Firmware Download prompt standardization
3. Agilent U2751A USB Modular Switch Matrix Firmware Driver (ver1.08-1.00-1.06) :
   * Resolved the support issue on E5813A by changing the firmware boot loader (USB LAN Hub Fix)
   * USB Update Bootloader
   * USB Product String Descriptor Length Fix
   * Firmware Download prompt standardization
4. Agilent U2761A USB Modular Function/Arbitrary Waveform Generator (ver3.04-3.08-1.06) :
   * Resolved the support issue on E5813A by changing the firmware boot loader (USB LAN Hub Fix)
   * USB Update Bootloader
   * USB Product String Descriptor Length Fix
   * Firmware Download prompt standardization
5. Agilent U2701A/U2702A USB Modular Oscilloscopes Firmware Driver (ver2.47-2.05-1.05) :
   * USB Update Bootloader
   * Firmware Download prompt standardization
6. Agilent U2741A USB Modular 5.5 Digits Digital Multimeter Firmware Driver (ver1.08-1.13-1.06) :
   * USB Update Bootloader
   * USB Product String Descriptor Length Fix
   * Firmware Download prompt standardization
   * Naga SW reading speed issue
   * Resolved Firmware Upgrade issue
   * Resolved invalid calibration data (-NAN) issue

**AMM2.0.0.0**

[New Features]

1. Added Windows 7 (32-bit) support.

[Bug Fixes/Enhancement]

1. Added options to perform binary file conversion when the binary file size does not match with the header file setting.
2. Agilent U2701A/U2702A USB Modular Oscilloscope Firmware Driver (ver2.47-2.05).
3. Agilent U2701A/U2702A USB Modular Oscilloscope Firmware Upgrade : Added new fpga setting to accommodate larger random dither length in new FPGA design. Timebase affected are 500ns and 1us/div.
4. Agilent U2701A/U2702A USB Modular Oscilloscope : Added full waveform configuration.
5. Agilent U2701A/U2702A USB Modular Oscilloscope : Added Saving Math Data.
6. Agilent U2722A USB Modular Source Measure Units Firmware Driver (ver1.09-1.12), Agilent U2741A USB Modular 5.5 Digits Digital Multimeter Firmware Driver (ver1.12-1.05),   
   Agilent U2751A USB Modular Switch Matrix Firmware Driver (ver1.06-1.00), Agilent U2761A USB Modular Function/Arbitrary Waveform Generator Firmware Driver (ver3.04-3.08) : Resolved the support issue on E5813A by changing the firmware boot loader.
7. Agilent U2761A USB Modular Function/Arbitrary Waveform Generator Firmware Driver (ver3.04-3.08).
8. Added simplified version of Code Generation Utility.

**AMM1.8.7.0**

[New Features]

1. Upgraded Agilent U2761A USB Modular Function/Arbitrary Waveform Generator Firmware Driver (ver3.04-3.08).

[Bug Fixes/Enhancement]

1. Included AMM 1.8.6.0 Patch 1: Added options to perform binary file conversion when the binary file size does not match with the header file setting.

**AMM1.8.6.0**

[New Features]

1. Added Agilent Software Licensing standalone application.
2. Enable AMM running with IO Library 15.5

[Bug Fixes/Enhancement]

1. Included AMM 1.8.5.0 Patch: Resolved the maximum amplitude limitation in arbitrary editor Function Generator SFP.
2. Agilent U2701A/U2702A USB Modular Oscilloscope Firmware Driver (ver2.45-2.02): Resolved the support issue on E5813A by changing the firmware boot loader.
3. Agilent U2722A USB Modular Source Measure Unit Firmware Driver (ver1.09-1.11): Resolved Array measurement defect and Stabilize Hardware Self Test.
4. Agilent U2722A USB Modular Source Measure Unit Soft Front Panel: Separate the data logging value and measurement unit when it is in stepping mode.

**AMM1.8.5.0**

[New Features]

1. Added U2723A Modular Source Measurement Unit SFP.

[Bug Fixes/Enhancement]

1. Standardize the Message Box display to AMM and all modular instruments.
2. Enable AMM running with IO Library 15.1.
3. VEE Code Converter: Rename “Agilent VEE 8.5”  to “Agilent VEE 8.5 and above”.
4. Oscilloscope SFP: Added zoom reference panel.
5. Oscilloscope SFP: Change the “Sample Rate” text to “Video Sampling Rate”
6. DAQ SFP: Resolved data conversion overflow issue.
7. DAQ Sample Program: Resolved incompatible customized menu for modular in VEE 9.0.
8. DMM U2741A FW Driver (ver D01.05-01.12): Resolved temperature function switching issue.

**AMM1.8.4.0**

[Bug Fixes/Enhancement]

1. Oscilloscope FW Driver (ver2.44-2.02) : 16M and 32M data pulling.

2. Function Generator FW Driver (ver2.03-2.04) : Fixed following issues :

* Apply default setting
* SYSTem over temperature
* VISA clear
* 0dB range AC flatness calibration.

**AMM1.8.3.0**

[Bug Fixes/Enhancement]

1. Standardize the save file location to support all the modular applications running in Vista OS.

**AMM 1.8.2.0**

[Bug Fixes/Enhancement]

1. DMM SFP: Handle the exception of continuously triggers the searching for Min/Max button for graph.
2. DMM SFP: Remove data table user add rows feature

**AMM 1.8.1.0 Patch1**

[Bug Fixes/Enhancement]

1. DMM SFP: Fixed an issue during loading up in French localization.

**AMM 1.8.1.0**

1. DAQ U2500A FW Driver: Revert back to version A.2007.11.05 owing to functionalities issue in version A.2007.11.26.
2. DAQ U254x IVI Driver: Fixed FetchScale issue.
3. DMM FW Driver (ver1.11-1.05): Fixed an issue where for FRES 10 MOhm and 100MOhm when switches from low to high, need extra 150ms settling time.

**AMM 1.8 – Release Date**

[New Features]

1. Added Modular Digital Multimeter SFP.

[Bug Fixes/Enhancement]

1. Improved AMM loading time.
2. Resolved AMM GUI size issue in low resolution settings.
3. Move Tools->DAQ menu item into DAQ SFP.
4. Resolved Modula r Oscilloscope exceptions during power off in initialization stage.
5. Resolved data logger file extension issue in AMM and DAQ SFP.
6. Resolved SFP form out of MDI container issue during plug out in initialization stage.
7. Resolved chassis form missing issue during plug out in initialization stage
8. Added modular oscilloscope model and serial number in chassis summary panel after loading is completed.
9. DAQ SFP: Resolved out of memory exception in Data File Manager form after performing join operation for huge data points.
10. DAQ SFP: Resolved blank space issue in DIO panel after loading settings from configuration file.
11. DAQ SFP: Avoid Convert Binary Data Form from closing during data conversion.
12. Oscilloscope SFP: Disabled trigger panel if Oscilloscope is running in Star/Slave trigger mode.
13. Oscilloscope SFP: Resolved probe changes from x10 to x1 and noise signal issue after performing auto scale.
14. Oscilloscope SFP: Improved auto scale performance.
15. Oscilloscope SFP: Save header information into oscilloscope data file.
16. Oscilloscope SFP: Handle exception when set hold off time to 0s.
17. Oscilloscope SFP: Removed message box after performing stop in roll mode.
18. Oscilloscope SFP: Prompt message if no signal is available in auto scale.
19. Oscilloscope SFP: Remain channel state if no signal is available in auto scale.
20. Oscilloscope SFP: Saved channel and other settings inside the graph (Inverter color).
21. Oscilloscope SFP: Resolved loading issue after closing the SFP with FFT activated.
22. Function Generator SFP: Resolved USB disconnect message appeared twice when selected at chassis explorer.
23. Function Generator SFP: Disabled offset radio button selection during DC mode.
24. Function Generator SFP: Resolved exception in arbitrary editor when dragging the point to the edge.

**AMM 1.7 - Release Date**

[New Features]

1. Added Modular Function Generator and Modular Oscilloscope SFPs.
2. Enabled simulation devices (U2355A, U2542A and U2651A).
3. Added Markers in Waveform Graph Panel for Cardcage Panel Form, DAQ Data Viewer Form and DAQ Analog Input graph display.

[Bug Fixes/Enhancement]

1. Resolved SFP form cannot be maximized in AMM MDI container issue.
2. Resolved same device can be seen in different AMM window issue.
3. Suppressed duplicated message box issue when power off a chassis.
4. Allow arrow keys to be used in Chassis Explorer window.
5. Remove redundant SCPI commands to be logged in Command Logger Form when running Star Trigger Acquisition with DAQ device included.
6. DAQ SFP: Restore session/summary dockable window in Data Viewer Form to its original docking behavior after closing the dockable window.
7. DAQ SFP: Show averaging state in Data Viewer summary panel.
8. DAQ SFP: The Y axis unit will change back to V after signal conditioning mode is disabled.
9. DAQ SFP: Bring up file selection form after invalid binary file is chosen in Convert Binary Data form.
10. DAQ SFP: Input range for a specific channel in AI Channel Setting Form remains if changes ~~made~~ mode from Continuous to Single Shot mode and vice versa.

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**AMM 1.6 - Release Date**

[New Features]

1. Added Modular Matrix and Modular Source Measure Unit SFPs.

[Bug Fixes/Enhancement]

1. Resolved U2500 Series Master Slave acquisition issue when U2500 Series is assigned as Master, trigger source as Software and analog trigger source as CH101.
2. Resolved for Microsoft Windows 2000 OS, device information cannot be seen in Trigger Setting Form issue.
3. Resolved dockable window shrunk issue after performing refresh.
4. Disabled Reset Factory Settings menu item if no device is connected to chassis.
5. Chassis panel Form will not be loaded if no DAQ device is slotted inside chassis.
6. DAQ SFP: Resolved wrong SCPI command formation issue in other localization language.
7. DAQ SFP: Synchronize process navigator AI state with AI panel.
8. DAQ SFP: Disabled AI averaging option when corresponding channel is disabled.
9. DAQ SFP: Add checking for empty file in Convert Binary Data Form.
10. DAQ SFP: Resolved SFP hang issue if DAQ device is plugged out while performing High Sampling Acquisition.
11. DAQ SFP: Resolved invalid message box issue if there are channels enabled for Continuous and Single Shot mode, and analog trigger source is set to CH101.
12. DAQ SFP: Resolved invalid message box issue if performing AI continuous acquisition under signal conditioning mode after loading the saved configuration.
13. DAQ SFP: In Thermocouple Advanced Setting Form, default Thermocouple type is set to Type J instead of Type B.
14. DAQ SFP: X and Y axes label in data acquisition will be logged and will be displayed in Data Viewer Form.