

Keysight M3601A, HVI Design Environment

2.01.46 Version Information

Released Date:	April, 2019
Operative systems:	Microsoft Windows 7, 10 (32-bit and 64-bit OS)
Supported Modules:	M3100A, M3102A, M3201A, M3202A, M3300A, M3302A
File Name:	Windows: M3601A_2.01.41_installer.exe

New Features

- Reassign master in compilation is now disabled by default.

Bug Fixes

- Solved compatibility issues with TDC and DIO cards.
- Fixed and updated HVI examples.
- Fixed DAQstop performing a flush when executed from HVI.

2.01.41 Version Information

Released Date:	September, 2018
Operative systems:	Microsoft Windows 7, 10 (32-bit and 64-bit OS)
Supported Modules:	M3100A, M3102A, M3201A, M3202A, M3300A, M3302A
File Name:	Windows: M3601A_2.01.41_installer.exe

New Features

- Automatic segment trigger forwarding with multi-segment and multi-chassis scenarios with squid board.
- When a chassis was previously configured, only differences are configured in the chassis.
- Clone a module multiple times in one operation.
- Remove non-master module from API.

Bug Fixes

- Improved chassis setup time while loading HVI from previous release.
- Corrected time type values to be properly interpreted by the module.
- Allowed to assign a demo module to a HW module located in the same place (same chassis and slot).

2.01.30 Version Information

Released Date:	April, 2018
Operative systems:	Microsoft Windows 7, 10 (32-bit and 64-bit OS) openSUSE 64-bit OS
Supported Modules:	M3100A, M3102A, M3201A, M3202A, M3300A, M3302A
File Name:	Windows: M3601A_2.01.30_installer.exe Linux: M3601A-2.01.30-x86_64.7z

New Features

- Chassis data and settings stored and loaded from HVIprj.
- Chassis resources reserve and release.
- Module cloning.
- Added missing compilation of AWGjumpNext instruction for M33xxA modules.

Bug Fixes

- Synchronized subHVI compilation.
- SubHVI relative paths, constants compilation and constants binary generation (.HVI file).
- HVI generation was overwriting HVIprj stored filename and path.
- Undetected instruction collision.
- Ambiguous/wrongs error messages.

2.01.20 Version Information

Released Date:	November, 2017
Operative systems:	Microsoft Windows 7, 10 (32-bit and 64-bit OS) openSUSE 64-bit OS
Supported Modules:	M3100A, M3102A, M3201A, M3202A, M3300A, M3302A
File Name:	Windows: M3601A_2.01.20_installer.exe Linux: M3601A-2.01.20-x86_64.7z

New Features

- Multi chassis & segment HVI compilation support.

Bug Fixes

- When application is launched opening a project file but no valid license is found, the license manager is invoked. After setting a valid license file, the application is invoked again opening the specified project file as expected. However, in older versions the file was lost in licensing process and it wasn't opened after license validation.

2.01.18 Version Information

Released Date:	August, 2017
Operative systems:	Microsoft Windows 7, 10 (32-bit and 64-bit OS) openSUSE 64-bit OS
Supported Modules:	M3100A, M3102A, M3201A, M3202A, M3300A, M3302A
File Name:	Windows: M3601A_2.01.18_installer.exe Linux: M3601A-2.01.18-x86_64.7z

New Features

- First draft implementation for multi-chassis environment.

Bug Fixes

- Fixed empty subHVI crash.
- Improved subHVI's flow-control blocks compilation.
- Improved module instruction compilation.

2.01.12 Version Information

Released Date:	June, 2017
Operative systems:	Microsoft Windows 7, 10 (32-bit and 64-bit OS) openSUSE 64-bit OS
Supported Modules:	M3100A, M3102A, M3201A, M3202A, M3300A, M3302A
File Name:	Windows: M3601A_2.01.12_installer.exe Linux: M3601A-2.01.12-x86_64.7z

New Features

- Wait trigger can be configured in two modes: synchronized with clk10 or immediate.
- Allowed the use of constants and registers as address and data on HVI port instruction.

Bug Fixes

- Licensing system integration improved in order to use native EEs of License Tools.
- File extensions checks:
 - Case insensitive is allowed.
 - Wrong extension/file message shown when invalid file type.
- M310xA and M330xA prescaler instruction.

2.01.05 Version Information

Released Date:	April, 2017
Operative systems:	Microsoft Windows XP Microsoft Windows 7, 10 (32-bit and 64-bit OS) openSUSE 64-bit OS
Supported Modules:	M3100A, M3102A, M3201A, M3202A, M3300A, M3302A
File Name:	Windows: M3601A_2.01.05_installer.exe Linux: M3601A-2.01.05-x86_64.7z

Important Note

SD1 software installation is required to be able to work with any SD1 module project.

New Features

- subHVI project opening from subHVI state.
- Add/remove state improved to be more user-friendly.
- Improved license management and validation.
- Module windows positioning improved.

Bug Fixes

- Window titles.
- Arrow drawing.

2.01.00 Version Information

First software release.

Released Date:	March, 2017
Operative systems:	Microsoft Windows XP Microsoft Windows 7, 10 (32-bit and 64-bit OS) openSUSE 64-bit OS
Supported Modules:	M3100A, M3102A, M3201A, M3202A, M3300A, M3302A
File Name:	Windows: M3601A_2.01.00_installer.exe Linux: M3601A-2.01.00-x86_64.7z

Features

- HVI user-friendly flowchart programming
- Flexible and scalable user-defined instrumentation:
 - Process control
 - Signal generation / acquisition
 - ATE (Automatic Test Equipment)
 - Mixed-signal (analog, digital, RF, etc)
 - Ultra-fast hardware execution (ns timescales)
 - Flow control and decision making: loops, jumps, variables
 - Full intermodule synchronization
 - Seamless connection with Keysight SD1 libraries for VIs:
 - C/C++, .NET 3.5/4.5, LabVIEW, MATLAB (using .NET), Python, Borland