Keysight M8196A Arbitrary Waveform Generator

KEYSIGHT
TECHNOLOGIES

Version 2.1.13.0 Information

Released Date:	23 March 2023
Operating System:	• Windows 10 (32 bit or 64 bit) • Windows 8.1 (32 bit or 64 bit) • Windows 8 (32 bit or 64 bit) • Windows 7 (32 bit or 64 bit)
Hardware Revision:	1.0
File Names:	• M8196_Setup.exe

New Functionality

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Bug Fixes

- Internal defects fixed

Known Issues

Keysight IO Libraries Suite

Starting with version 2021, .NET Framework 3.5/2.0 is not automatically installed anymore. It is, however, required for some VISA.NET drivers and for 32-bit VISA applications to work.
For details refer to https://www.keysight.com/find/iosuite.
Should Keysight IO Libraries Suite be installed on a system without .NET Framework 3.5/2.0 and you encounter problems caused by this, the following steps are recommended:
- Open Control Panel, "Programs and Features", then uninstall
  - Keysight IO Libraries Suite
  - IVI Shared Components
  - IVI.NET Shared Components
  - VISA Shared Components
  - VISA.NET Shared Components
  - Keysight M8196
- Still in "Program and Features", select "Turn Windows features on or off", check ".NET Framework 3.5 (includes .NET 2.0 and 3.0)", and click [OK]
- Install Keysight IO Libraries Suite
- Install Keysight M8196

Version 2.1.1.0 Information

Released Date:	20 March 2019
Operating System:	• Windows 10 (32 bit or 64 bit) • Windows 8.1 (32 bit or 64 bit) • Windows 8 (32 bit or 64 bit)

		• Windows 7 (32 bit or 64 bit)
Hardware Revision:	1.0	
File Names:		• M8196_Setup.exe

New Functionality

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Bug Fixes

- SFP: Maximum allowed bitrate on 'Serial Data' tab increased to 92.0 GBaud

Version 2.1.0.0 Information

Released Date:	14 November 2018	
Operating System:		• Windows 10 (32 bit or 64 bit)
		• Windows 8.1 (32 bit or 64 bit)
		• Windows 8 (32 bit or 64 bit)
		• Windows 7 (32 bit or 64 bit)
Hardware Revision:	1.0	
File Names:		• M8196_Setup.exe

New Functionality

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Bug Fixes

- Improved interoperability with Keysight M8070A System Software
- Additional minor bugfixes

Version 2.0.215.0 Information

Released Date:	24 October 2017	
Operating System:		• Windows 10 (32 bit or 64 bit)
		• Windows 8.1 (32 bit or 64 bit)
		• Windows 8 (32 bit or 64 bit)
		• Windows 7 (32 bit or 64 bit)
Hardware Revision:	1.0	
File Names:		• M8196_Setup.exe

New Functionality

- IVI-COM driver for M8196A added
- LabVIEW driver for M8196A added

- SFP: SerialData-panel: Clock/8 signal added

Bug Fixes

- SFP: SerialData-panel: max symbolrate of 64 GBaud possible
- SFP: SerialData-panel: waveform calculation with the highest possible samplerate
- SFP: MultitoneWaveform-panel: Issue with maximum frequency of 12 GHz fixed

Version 2.0.39.0 Information

Released Date:	20 October 2016
Operating System:	- Windows 10 (32 bit or 64 bit) - Windows 8.1 (32 bit or 64 bit) - Windows 8 (32 bit or 64 bit) - Windows 7 (32 bit or 64 bit)
Hardware Revision:	1.0
File Names:	M8196_Setup.exe

Bug Fixes

- Sometimes the installer created a file named "REBOOT=ReallySuppress" and in some cases the system automatically re-started

Version 2.0.30.0 Information

Released Date:	20 October 2016
Operating System:	- Windows 10 (32 bit or 64 bit) - Windows 8.1 (32 bit or 64 bit) - Windows 8 (32 bit or 64 bit) - Windows 7 (32 bit or 64 bit)
Hardware Revision:	1.0
File Names:	M8196_Setup.exe

Bug Fixes

- External reference clock locking issue on some units

Version 2.0.2.0 Information

Released Date:	23 May 2016
Operating System:	- Windows 10 (32 bit or 64 bit) - Windows 8.1 (32 bit or 64 bit) - Windows 8 (32 bit or 64 bit) - Windows 7 (32 bit or 64 bit)
Hardware Revision:	1.0

File Names:	• M8196_Setup.exe

New Functionality

- Trigger support
- Marker support
- Significantly increased the performance of the waveform calculation algorithms for Serial Data Waveform Panel
- Added optional parameters for output amplitude and sample rate to the SCPI query for the frequency and phase response data

Bug Fixes

- Wrong PRPS sequence calculation on Serial Data Waveform Panel
- Bessel-Thomson pulse delay anomalies fixed (Serial Data Waveform Panel)

Version 1.0.6.0 Information

Released Date:	01 March 2016
Operating System:	• Windows 10 (32 bit or 64 bit) • Windows 8.1 (32 bit or 64 bit) • Windows 8 (32 bit or 64 bit) • Windows 7 (32 bit or 64 bit)
Hardware Revision:	1.0
File Names:	• M8196_Setup.exe

Bug Fixes

- File import in 'Single Channel' mode not working
- 'Serial Data' waveform generation does not work for some waveform lengths and settings

Version 1.0.3.0 Information

Released Date:	28 January 2016
Operating System:	• Windows 10 (32 bit or 64 bit) • Windows 8.1 (32 bit or 64 bit) • Windows 8 (32 bit or 64 bit) • Windows 7 (32 bit or 64 bit)
Hardware Revision:	1.0
File Names:	• M8196_Setup.exe

Initial Release