

# Keysight E7760A

## Wideband Transceiver

[Software A.10.25 released 21 -Oct-2020](#)

[Software A.03.10 released 26 -July-2019](#)

[Software A.03.01 released 24 -April-2018](#)

[Software A.02.12 released 6-February-2018](#)

[Software A.02.04 released 14-July-2017](#)

[Software A.02.03 released 5-July-2017](#)

[Software A.02.02 released 8-March-2017](#)

[Software A.01.26 released 19-December-2016](#)

[Software A.01.23 released 21-November-2016](#)

[Software A.01.22 released 26-October-2016](#)

[Software A.01.20 released 17-October-2016](#)

[Software A.01.17 released 6-October-2016](#)

[Software A.01.15 released 28-September-2016](#)

### Software Version A.10.25

Released Date:	21 oct 2020
Requirements category (e.g., operating system)	Microsoft Windows Embedded Standard, 64 bit
Requirements category (e.g., instrument software version)	CoreTM i7-5650U quad-core, 2.2 GHz processor 16 GB Windows Embedded Standard 7, 64-bit Operating System
Requirements category (other):	Microsoft.Netframe work 4.6.1 Keysight IO libraries 18.1
File Name:	E7760A_Installer_A.10.25_Self-Extractor.exe

### Software Enhancements

Model	Option	Description

E7760A	All	<p>fix to avoid incomplete packet due to STF&amp;CEF drop in largest packet mode</p> <p>Fix for DC offset at channel 5 of UWB</p> <p>Add source trigger feature for UWB</p> <p>fix on intermittent EVM several dB diff issue and partial fix on symbol clock error issue</p>
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### Software Version A.03.10

Released Date:	26 July 2019
Requirements category (e.g., operating system)	Microsoft Windows Embedded Standard, 64 bit
Requirements category (e.g., instrument software version)	CoreTM i7-5650U quad-core, 2.2 GHz processor 16 GB Windows Embedded Standard 7, 64-bit Operating System
Requirements category (other):	Microsoft.Netframe work 4.6.1 Keysight IO libraries 18.1
File Name:	E7760A_Installer_A.03.10_Self-Extractor.exe

### Software Enhancements

Model	Option	Description
E7760A	All	<p>Fix on Long Packets EVM measurements.</p> <p>DC compensated EVM improvement.</p>

### Software Version A.03.01

Released Date:	24-April 2018
File Name:	E7760A_Installer_A.03.01_Self-Extractor.exe

### Software Enhancements

Model	Option	Description
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E7760A	All	<ul style="list-style-type: none"> <li>Added a new measurement Phase Amplitude Vs Time (PAvT).</li> </ul>
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## Software Version A.02.12

Released Date:	6-February 2018
File Name:	E7760A_Installer_A.02.12_Self-Extractor.exe

## Software Enhancements

Model	Option	Description
E7760A	All	<ul style="list-style-type: none"> <li>UI addition to select Only certain MCS to be demodulated.</li> <li>RF blanking set as OFF if no corresponding RFB license present.</li> <li>Fix message issue during auto range error.</li> </ul>

## Software Version A.02.04

Released Date:	14 July 2017
File Name:	E7760A_Installer_A.02.04_Self-Extractor.exe

## Software Enhancements

Model	Option	Description
E7760A	All	<ul style="list-style-type: none"> <li>Updated User's Guide</li> </ul>

## Software Version A.02.03

Released Date:	5 July 2017
File Name:	E7760A_Installer_A.02.03_Self-Extractor.exe

## Software Enhancements

Model	Option	Description
E7760A	All	<ul style="list-style-type: none"> <li>• Support for Waveform Impairments with option E7760A-CG1</li> <li>• Support for Load Waveform with option E7760A-CG1</li> <li>• Support for Record &amp; Playback IQ Data with option E7760A-RFP</li> <li>• Added Mag Level Auto and Mag Level Offset to the Hardware Trigger capability to automatically adjust trigger level after Auto Range or Range setting is changed</li> <li>• Added ability to extend Transmit Mask Offset D frequency</li> <li>• Added ability to adjust Transmit Mask limit frequencies</li> <li>• Added EVM results for Pilot, Guard, and Data portions of burst</li> <li>• Added ability to Ignore MCSx for situations were MCS of interest follows an undesired MCS</li> <li>• Added ability to set the Ramp Down Length and Ramp Down Start Ratio. Set default Ramp Down Length to 20 ns (previously it was fixed at 25 ns)</li> <li>• Added ability to avoid re-generating often used waveforms. See User's Guide section for Generator Waveform Optimization</li> </ul>

## Software A.02.03 Issues Resolved

Model	Option	Description
E7760A	All	<ul style="list-style-type: none"> <li>• Fixed connection errors with VSA 89601B. (VSA 89601B version 22.20 or newer required to eliminate all connection errors.)</li> <li>• Fixed problem where Video Trigger level changes where not taking effect until Start was invoked</li> </ul>

## Software Version A.02.02

Released Date:	8 March 2017
File Name:	E7760A_Installer_A.02.02_Self-Extractor.exe

## Software Enhancements

Model	Option	Description
E7760A	All	<ul style="list-style-type: none"> <li>• Support for Ordering Configuration of RF6 (License RF4) which provides independent mmWave Frequency settings of the VSA and VSG.</li> <li>• Support for VSA 89601B</li> <li>• Trigger Mag Level support units V and A besides dBm</li> <li>• Added :DISPlay:SEMask:Y:MAX[:LOG], :DISPlay:SEMask:Y:MIN[:LOG], :DISPlay:SPECTrum:Y:MAX[:LOG], and :DISPlay:SPECTrum:Y:MIN[:LOG] to change Y scaling in Spectrum and Transmit Mask displays</li> <li>• Add :CALibration:TEMPerature:CURREnt:MMW? A1 A2 A3 B1 B2 B3 to query current mmWave Transceiver temperature</li> <li>• Auto scale after auto-ranging in Spectrum/Main Time Displays</li> <li>• Added Point Sweep capability to acquire a series of Channel Power measurements. Example SCPI usage: <ul style="list-style-type: none"> <li>INITiate:CONTinuous 0</li> <li>SENSE:SWEep 1</li> <li>SENSE:SWEep:POINTs 10</li> <li>TRIGger:HW:STYLE EXT1</li> <li>INIT</li> <li># When trigger received 10 times from External</li> <li>FETCH:CHPower:SWEep?</li> </ul> </li> </ul>

## Software A.02.02 Issues Resolved

Model	Option	Description
E7760A	All	<ul style="list-style-type: none"> <li>• Improved triggering in Transmit Mask.</li> </ul>

## Software Version A.01.26

Released Date:	19 December 2016
File Name:	E7760A_Installer_A.01.26_Self-Extractor.exe

### Software A.01.26 Issues Resolved

Model	Option	Description
E7760A	All	<ul style="list-style-type: none"> <li>Adjusted settable values for Range and Trigger Level, which allows large values of Path Loss.</li> <li>Fixed additional occurrence of ADC Link error.</li> </ul>

## Software Version A.01.23

Released Date:	21 November 2016
File Name:	E7760A_Installer_A.01.23_Self-Extractor.exe

### Software A.01.23 Issues Resolved

Model	Option	Description
E7760A	All	Fixed problem where dBm annotation on left side of results graph was being overwritten.
Y7707A	All	Fixed problem where application would crash when demodulating signal of MCS0 with short capture length and short gap between bursts.

## Software Version A.01.22

Released Date:	26 October 2016
File Name:	E7760A_Installer_A.01.22_Self-Extractor.exe

### Software A.01.22 Issues Resolved

Model	Option	Description
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E7760A	All	Applies to new units shipped from factory; updates LO FPGA for backup image. This release can be loaded on any E7760A.
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### Software Version A.01.20

Released Date:	17 October 2016
File Name:	E7760A_Installer_A.01.20_Self-Extractor.exe

### Software A.01.20 Issues Resolved

Model	Option	Description
E7760A	All	Fixed problem where GUI could would generate an exception in SEM measurement.

### Software Version A.01.17

Released Date:	6 October 2016
File Name:	E7760A_Installer_A.01.17_Self-Extractor.exe

### Software A.01.17 Issues Resolved

Model	Option	Description
E7760A	All	Fixed problem where M1650A incorrectly reported FPGA update required.

### Software Version A.01.15

Released Date:	28 September 2016
File Name:	E7760A_Installer_A.01.15_Self-Extractor.exe

### Software A.01.15 Issues Resolved

Model	Option	Description
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E7760A	All	<ul style="list-style-type: none"><li>• Fixed irregular occurrence of ADC Link error.</li><li>• Changed name of Application shortcut to LuanchWT.</li></ul>
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## **(First)Software Version A.01.14**

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Released Date: 23 September 2016

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Initial Release for E7760A, Keysight Wideband Transceiver

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