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# Keysight B2960B Series 6.5 Digit Low Noise Source

## FPGA 12.41 (12.42) Update Instruction

This is an Instruction Sheet for B2960B Series. More details about this product can be obtained at : [B2960 Series 6.5 Digit Low Noise Source | Keysight](#)

## Notices

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## Preparation

1. Confirm if your unit needs this FPGA upgrade or not, by referring to the affected unit serial number information below. If your unit is not in the table, you do not need to install this.
2. Prepare a Windows PC with the following software
  - Windows 10
  - Keysight IOLS 2019 (18.1.24130) or later
  - Interface to connect PC to Keysight B2900B/B2900BL such as USB/GP-IB/LAN (for example, Keysight 82357B USB/GPIB Interface)
3. Visit the below K.com website and download the [FpgaUpdate588451.exe](#) to your PC.

[B2960B Instrument Firmware/Software Update](#)

## Procedure

1. Connect PC to B2960B by using the Interface such as 82357B.
2. Start Keysight I/O Expert
3. Execute the following downloaded file.  
(this execution completes unattended and may take about 1 hour 50 minutes)  
  
`FpgaUpdate588451.exe`
4. When finished, confirm the Module FPGA revision is **12.41** or **12.42** by pressing the Front Panel Function key as follows.  
  
More... > System > More... > Info. > Revision

NOTE: The Module FPGA revision is displayed as follows for the channel 1 and 2, respectively.

Module Revision (1) : FPGA (12.xx), Board (x)  
Module Revision (2) : FPGA (12.xx), Board (x)

NOTE: This update tool automatically detects if your B2900B needs the update. And if confirmed unnecessary, it skips the update and will finish in less than 10 seconds.

## Affected Unit Information

### **B2961B**

MY63320101
MY63320103 - MY63320106
MY63320108 - MY63320109
MY63320111 - MY63320117
MY63320119 - MY63320124
MY63320127
MY63320130
MY63320132

## **B2962B**

MY63320101 - MY63320149
MY63320151 - MY63320152
MY63320154 - MY63320179
MY63320182 - MY63320184
MY63320187 - MY63320193

End of procedure.