

Keysight Technologies

# 11713D/E Attenuator/Switch Drivers

## Firmware Update Instruction

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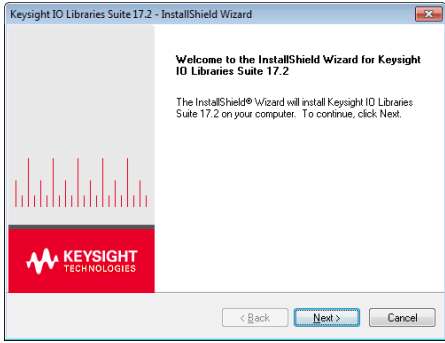

Unlocking Measurement Insights

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## Chapter 1 Programming Process

### 1.1 Prerequisite Software

Item	
<p>1. Install IO Libraries Suite 17</p> <p>Operating System:</p> <ul style="list-style-type: none"> <li>- Windows 7</li> <li>- Windows 8</li> <li>- Windows 10</li> </ul> <p>Licensing</p> <ul style="list-style-type: none"> <li>- Does Not Require a License</li> </ul>	 <p>Location : <a href="#">Keysight IO Libraries Suite</a></p> 
<p>2. Fw_update.exe</p> <p>Operating System:</p> <ul style="list-style-type: none"> <li>- Windows 7</li> <li>- Windows 8</li> <li>- Windows 10</li> </ul> <p>Licensing</p> <ul style="list-style-type: none"> <li>- Does Not Require a License</li> </ul>	 <b>FW_Update.exe</b>


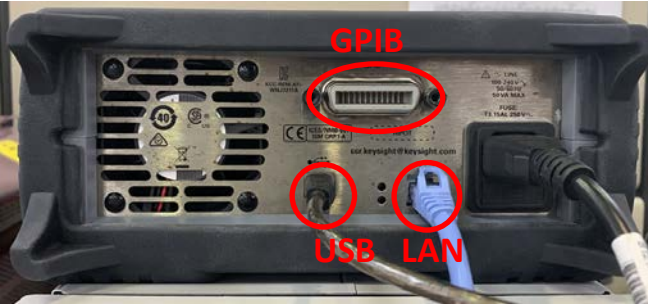
## 1.2 Prerequisite Hardware

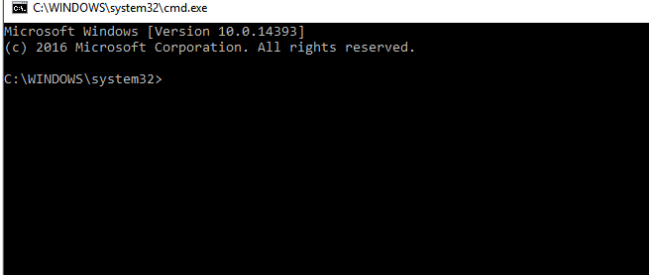

Item	
1. USB 2.0 Cable USB Type A Male to USB Type Mini-B Male	
2. LAN Cable Male-to-Male RJ45 CAT 5	
3. Keysight USB/GPIB Interface 82357B	

4. Computer [Desktop / Laptop]



### 1.3 Update Instrument Firmware

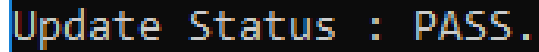
Step	
<p>1. Power on the instrument</p> <p>a) Power cord</p>	
<p>2. Select update method and connect device side IO interface:</p> <p>a) GPIB -&gt; PC (Require GPIB address)</p> <p>or</p> <p>b) USB -&gt; PC (Require VISA address)</p> <p>or</p> <p>c) LAN -&gt; PC / LAN Port (Require IP address)</p>	

<p>3. Open command prompt through:</p> <p>a) Start Menu -&gt; Command Prompt</p> <p>or</p> <p>b) Ctrl + R -&gt; cmd -&gt; Click "OK"</p>	
<p>4. In the command prompt, enter: cd &lt;Path&gt;</p>	<p style="text-align: center;">*Note*</p> <p style="text-align: center;">&lt;Path&gt; containing the files shown below</p> <div style="text-align: center;">  <span style="font-weight: bold;">FW_Update.exe</span> </div>
<p>5. In the command prompt, enter: FW_Update.exe &lt;VISA Address&gt;</p>	<p style="text-align: center;">*Example*</p> <p style="text-align: center;">Updating through GPIB interface</p> <div style="text-align: center; background-color: black; color: white; padding: 2px;"> <span style="font-weight: bold;">&gt;FW_Update.exe GPIB0::28::INSTR_</span> </div> <p style="text-align: center;">Updating through USB interface</p> <div style="text-align: center; background-color: black; color: white; padding: 2px;"> <span style="font-weight: bold;">&gt;FW_Update.exe USB::0x2A8D::0x7601::CH12345678::0::INSTR_</span> </div> <p style="text-align: center;">Updating through LAN interface</p> <div style="text-align: center; background-color: black; color: white; padding: 2px;"> <span style="font-weight: bold;">&gt;FW_Update.exe TCPIP::141.183.189.221::inst0::INSTR_</span> </div>

6. Please wait until message below is shown before removing any IO cable:  
"Update Status : PASS."

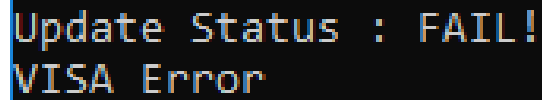
**\*Note\***

If message shown "Update Status : PASS.", the instrument is updated successfully.



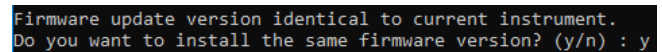
Update Status : PASS.

If message shown "Update Status : FAIL!", the instrument is **NOT** updated. Please check for IO interface connectivity and repeat Step 6.



Update Status : FAIL!  
VISA Error

If firmware update version is the same with instrument firmware version, please push "y" to continue.



Firmware update version identical to current instrument.  
Do you want to install the same firmware version? (y/n) : y