

Keysight Technologies

J7201A/B/C Attenuation Control Units

DC to 6 GHz, DC to 18 GHz, DC to 26.5 GHz

0 to 101/121 dB attenuation range, 1 dB step size

Firmware Update Instruction

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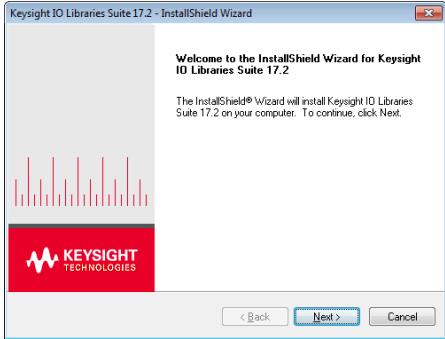

Unlocking Measurement Insights

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


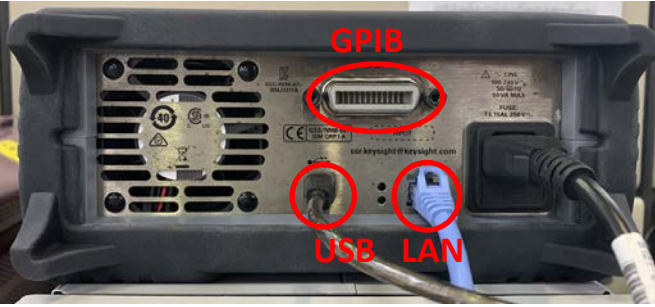
1.2 Prerequisite Hardware

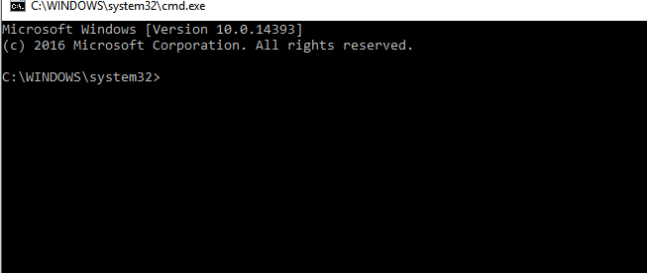

Item	
1. USB 2.0 Cable USB Type A Male to USB Type Mini-B Male	
2. LAN Cable Male-to-Male RJ45 CAT 5	
3. Keysight USB/GPIB Interface 82357B	

4. Computer [Desktop / Laptop]



1.3 Update Instrument Firmware

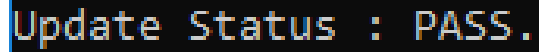
Step	
<p>1. Power on the instrument</p> <p>a) Power cord</p>	
<p>2. Select update method and connect device side IO interface:</p> <p>a) GPIB -> PC (Require GPIB address)</p> <p>or</p> <p>b) USB -> PC (Require VISA address)</p> <p>or</p> <p>c) LAN -> PC / LAN Port (Require IP address)</p>	

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

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

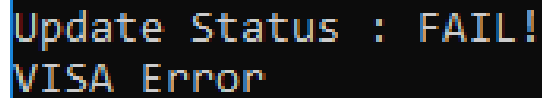
Note

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



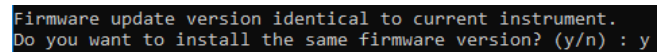
```
Update Status : PASS.
```

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
```