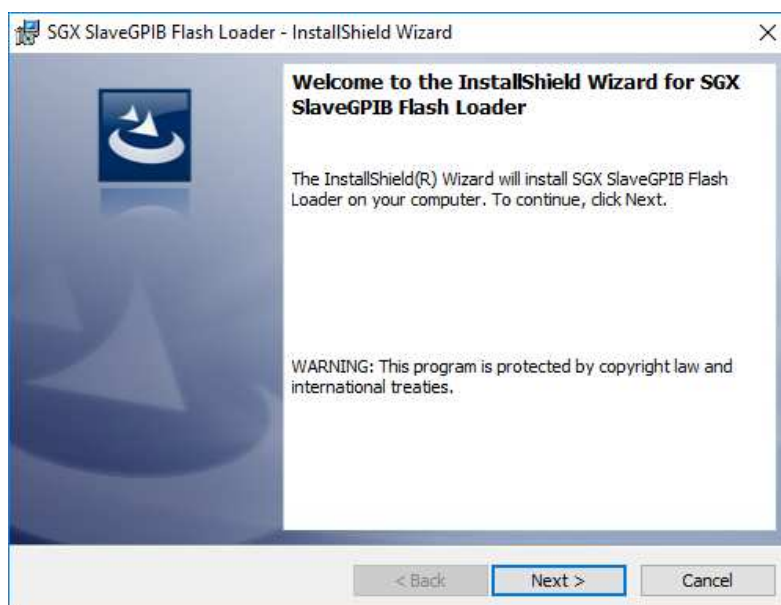


Installation Guide for SGX GPIB Controller Flash Loader

Installation Instructions

1. Navigate to <http://www.programmablepower.com/dc-power-supply/SGX/Downloads.htm>
2. Download and install SGX GPIB Controller Flash Loader. Follow the onscreen instructions. Click Next on welcome screen.



3. Accept license agreement to continue and then click Next.



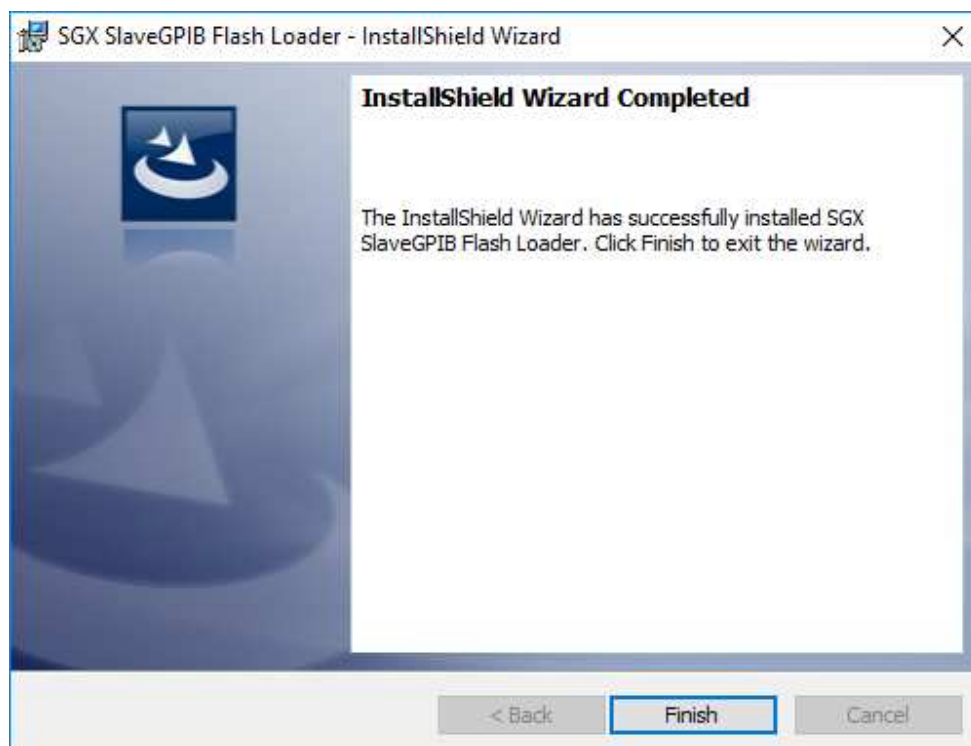
4. Enter Customer Information and then click Next.

The screenshot shows a window titled "SGX SlaveGPIB Flash Loader - InstallShield Wizard". The main heading is "Customer Information" with the instruction "Please enter your information." Below this are two text input fields: "User Name:" and "Organization:". At the bottom of the window, there are three buttons: "< Back", "Next >" (which is highlighted with a blue border), and "Cancel". The "InstallShield" logo is visible in the bottom left corner.

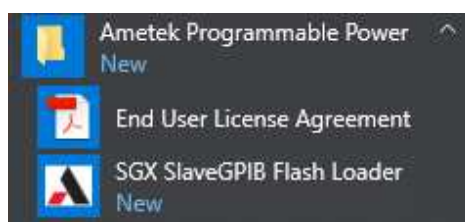
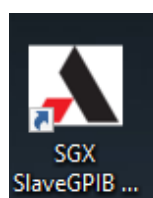
5. Click install button to start the installation process.

The screenshot shows a window titled "SGX SlaveGPIB Flash Loader - InstallShield Wizard". The main heading is "Ready to Install the Program" with the instruction "The wizard is ready to begin installation." Below this, it says "Click Install to begin the installation." and "If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard." At the bottom of the window, there are three buttons: "< Back", "Install" (which is highlighted with a blue border and a shield icon), and "Cancel". The "InstallShield" logo is visible in the bottom left corner.

6. Click Finish to complete the installation process.



7. SGX SlaveGPIB Flash Loader short will be created on desktop and in start-up menu list.



8. Double click on the shortcut to open the SGX SlaveGPIB Flash Loader tool.

The screenshot shows the 'SGX GPIB Firmware Loader' application window. In the top right corner is the AMETEK PROGRAMMABLE POWER logo. The title bar reads 'SGX GPIB Firmware Loader'. On the left side, there is a radio button labeled 'RS232'. A white-bordered box labeled 'Serial Settings' contains two dropdown menus: 'Com Port:' set to 'COM1' and 'Baud Rate:' set to '57600'. Below this box, there is a text field for 'Firmware File Name:' followed by a 'Browse' button. Underneath is a 'Firmware Update Progress' section with a long, empty progress bar. At the bottom of the window are three buttons: 'Help', 'Connect', and 'Load Firmware'.

9. **COM Port:** The COM Port number needs to be selected from the list, to which the power device is connected.
10. **Baud Rate:** The baud rate is fixed at 57600
Note: The SGX device internal baud rate **MUST** be set to 57600 prior to connecting.
11. **Firmware File Selection:** Browse and select the firmware file that is located on the local computer. The file extension of the slave firmware file is *.hex.
12. **Connect:** The "Connect" button is used to connect to the device before loading the firmware. The "Load Firmware" button will be enabled, only if connection to the device is successful.
13. **Load Firmware:** Click on the "Load Firmware" button to start the process of the loading firmware to the power unit. If the provided interface settings are correct, the firmware loading starts, otherwise appropriate error message is displayed to users. The firmware update progress status will be provided under this section.

California Instruments Product Support:

On-Line Request:

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