

## MSP430FR5969 Launchpad Firmware Flashing Guide for ADS1282-SP

This user's guide provides step-by-step instructions to load or update the MSP430<sup>™</sup> firmware:

- 1. Ensure that the ADS1282-SP GUI has been installed on the PC as this process provides the flasher tool, the firmware file, and a batch file.
- 2. Ensure that the MSP430 LaunchPad<sup>™</sup> is connected to the PC with a USB cable.
- 3. Ensure the ADS1282-SP EVM is **not** connected.
- 4. Ensure that the ADS1282-SP GUI is not running.
- Navigate to the firmware updater directory in the installation path for the ADS1282-SP GUI (see Figure 1). The default location is:

C:\Program Files (x86)\Texas Instruments\ADS1282-SP\Apps\ads1282\Firmware Updater

Texas Instruments	ADS1282_Update_firmware.bat	4/12/2016 5:20 AM	Windows Batch File	1 KB
<ul> <li>ADS1282-SP</li> <li>Apps</li> <li>ads1282</li> </ul>	License.txt	4/12/2016 5:20 AM	TXT File	50 KB
	MSP430.dll	4/12/2016 5:20 AM	Application extens	3,539 KB
	MSP430Flasher.exe	4/12/2016 5:20 AM	Application	196 KB
J Firmware Updater	MSP430FR5969_ADS1282EVM.txt	4/27/2016 1:40 AM	TXT File	13 KB
<ul> <li>iii node_modules</li> <li>iii public</li> <li>iii server</li> </ul>	5BAU276.pdf ≣	6/15/2016 10:59 AM	Adobe Acrobat D	108 KB

## Figure 1. Firmware Updater Directory

This directory contains a version of MSP430Flasher, and firmware version v1.0.3.0. [**NOTE:** If desired, obtain the current or updated firmware source files from the product tools and software folder http://www.ti.com/product/ADS1282-SP/toolssoftware or directly downloaded from following link:*MSP430FR5969 LaunchPad Firmware Source for ADS1282-SP* (SBAC149)].

- 6. Execute the batch file ADS1282\_Update\_firmware.bat by double clicking it in Windows® Explorer, or right-click to open. This launches a command shell and begins programming.
- 7. Press N if prompted for firmware update.

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8. See the success message as shown in Figure 2. *Press any key to continue...* Now the firmware is updated.

📾 ADS1282 Update firmware.bat
MSP-EXP430FR5969-LaunchPad Firmware Programmer
Programing MSP430FR5969_ADS1282EUM.txt into MSP430FR5969 * * /*
* * = * Evaluating triggersdone * Checking for available FET debuggers: * Found USB FET @ COM23. * Initializing interface on TIUSB portdone
* Checking firmware compatibility: * FET firmware is up to date. * Reading FW versiondone * Reading HW versiondone * Setting UCC to 3000 mUdone
* Accessing devicedone * Recassing device informationdone * Loading file into devicedone * Uerifying transferdone * /*
* Arguments : -n MSP430FR5969 -w MSP430FR5969_ADS1282EUM.txt -v -g -z [VCC] * Warning: Default options used due to incomplete argument list.
<pre>*</pre>
* UCC ON : 3000 mU * * Starting target code executiondone * Disconnecting from devicedone *
* * Driver : closed (No error)
* */ Press any key to continue

Figure 2. Successful Firmware Installation Message

Before launching the ADS1282-SP GUI and connecting the ADS1282 EVM to the LaunchPad, disconnect the USB from the LaunchPad and reconnect. This will re-enumerate the USB and execute the newly updated firmware.

Updated versions of MSP430Flasher are available at the following link: http://software-dl.ti.com/msp430/msp430\_public\_sw/mcu/msp430/MSP430Flasher/latest/index\_FDS.html

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