DS2000, DS4000, DS6000 Firmware Upgrade Procedure

*Date:*12/16/2013

Solution:

0. Check to see that the USB stick is recognized by inserting into the USB input on the front panel. The instrument should indicate USB Device Detected.

NOTE: If the device is not recognized, try another USB memory stick. We also recommend minimizing the number of folders, files, and programs on the stick. Drives less than 4GB in total volume are also recommended.

1. Download the proper firmware file and transfer to the root directory of a USB memory stick. If you have downloaded the packed .rar/.zip file. Do not forget to unpack and only copy the .GEL file to your USB stick.

2. Plug the instrument in to an uninterruptible power supply.

WARNING! Don't power cycle or disturb the instrument until the upgrade is complete.. as the instrument can be damaged.

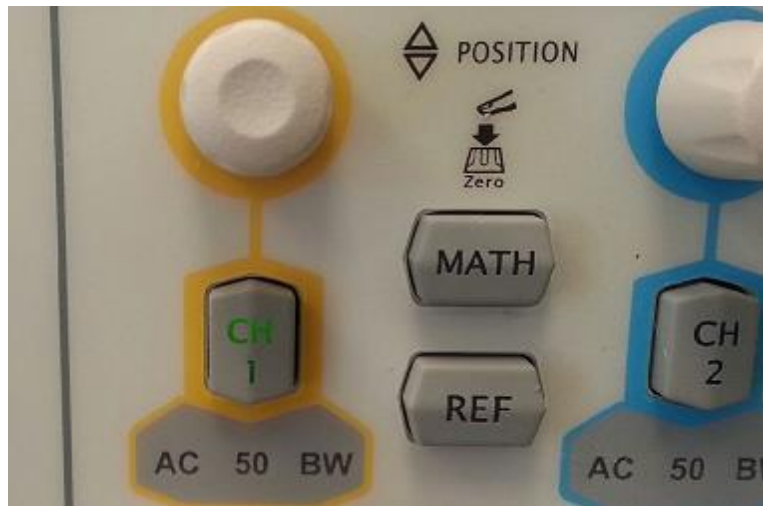**NOTE**: USB Stick is **not** plugged in DS2000/DS4000/DS6000 at this time!!!

3. Press the power on button on the front panel of the instrument. All of the buttons will light. At the same time press two or three times the Help key on the front panel. All buttons will unlight

4. If you now can see the Rigol Logo on the screen you failed to go into update mode. Please go back to step 3.
If the screen stays black and the Single light will illuminate (as below in the picture) you can go ahead.

5. **Now it is time to insert the USB** stick into the front panel.

6. The CH1 button will flash and then go solid.

7. After 5-10 minutes, all of the buttons on the front panel will be lit. The upgrade is complete.

8. Remove the USB drive and power cycle the instrument.

9. **Special Note for DS2000/DS2000A users**:
   There are two possible issues which can arise during the <u>first</u> re-boot after the update:
   1.) The DS2000 stick during booting. (RIGOL logo visible on the screen)
   Solution:
   Reboot again and press the 6th button from above on the left side of the screen again and again till the boot process is finished.

   Scope should now work as usual.

2.) After the first successful boot the screen looks scrambled and the parameters are wrong.
Solution:
Press Storage Button -> press soft key Default and load the factory default values.

10. You can check the firmware revision by pressing
Utility > System > System info