DS2000, DS4000, DS6000 Firmware Upgrade Procedure

Date: 07.22.2015

Solution:

1. Download the appropriate firmware file to a location on the computer that is easy to find (downloads, for example). This file may be packed as a Zip (*.zip* file extension). Use WinZip or an equivalent program to unzip the file.

   NOTE: The DS series firmware has a file extension of *.GEL*

2. Obtain a USB memory stick. This will be used to transfer the firmware update file to the scope.

   The USB stick must be FAT32 format. If the device is not recognized, try reformatting or 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.

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

4. After positive verification that the oscilloscope recognizes the USB stick, Copy the firmware file (with the *.GEL* extension) to the root directory of the USB memory stick.

5. 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.
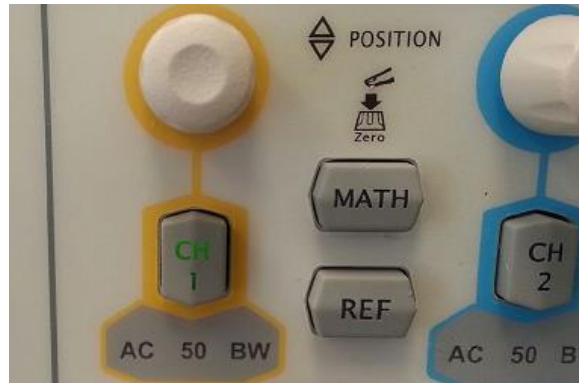
   NOTE: Do not plug the USB Stick into the scope at this time!

6. Prepare the scope for update:

   - Power cycle the instrument by pressing the power on button on the front panel of the instrument.

   - During the boot sequence, all of the front panel buttons will light. At the same time, repeatedly press the Help key (2-3 presses/sec) on the front panel.

   - The scope should stop booting. This is indicated by all of the front panel buttons going dark.

   - If you now can see the Rigol Logo on the screen you failed to go into update mode. Please go back to step 5.

   - If the screen stays black and the Single light will illuminate (as below in the picture) you can go ahead with the next step.

7. Insert the USB stick into the front panel of the scope.

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

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

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

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

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