

## SDS1000X/X+ Firmware Update Instructions

### Very important!

If your oscilloscope is a SDS1000X+ you must update the machine twice. The first time from 1.1.1.2.6 (or below this version) to V1.1.1.2.15R3 (or above this version) . Then perform an update a second time from V1.1.1.2.15R3 to V1.1.1.2.15R3 itself (This method also works for higher versions) .

### Very important!

Because 1.1.1.2.15 has a new feature that optimizes self calibration for the channels, you must restart the machine and then run the self calibration procedure after the machine is updated from 1.1.1.2.13R5 (or below this version) to V1.1.1.2.15R3(or above this version).

1. Unzip the .RAR file and copy the .ADS file to a flash drive.
2. Insert the flash drive into the USB interface on the front panel of the oscilloscope.
3. Press the "Utility" button on the front panel to enter the UTILITY function menu.
4. Press the "Next Page" softkey to go to the third page of the UTILITY function menu.
5. Press the "Update" softkey to enter the UPDATE function menu.
6. Press the "Firmware" softkey and a window will open to show you the files on the flash drive.
7. Turn the "Universal Knob" to select the ADS file to perform the update.
8. When the ADS file to perform the update is highlighted press the "Press to Update" softkey.
9. Follow the instructions at the bottom of the display and "Press 'Single' to update and press "Run/Stop' to cancel
10. A window will open showing the system updating. When finished it will display, "Updated Successfully! Please Restart The SPO!"
11. Go ahead and restart the scope.
12. Press the "Utility" button on the front panel to enter the UTILITY function menu.
13. Press the "Next Page" softkey to go to the first page of the UTILITY function menu.
14. Press the "Do Self Cal" softkey to perform the self-calibration.
15. Follow instructions to "Press 'Single' key to begin."
16. Window will open showing self-calibration in process. When process finishes "Press 'Run/Stop' key to exit."
17. To verify the software version press the "Utility" button and go to the first page of the UTILITY function menu.
18. Press the "System status" softkey and confirm the version number under "Software version" matches your update version.