

## SDS2000X-E Firmware Update Instructions

**Note:** During the update, do not cut off the power or pull out the U-disk.

Please perform a self-calibration once if the machine is updated from any version.

1. Unzip the .zip 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 ( Page3/4 ).



Figure 1 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. Turn the "Universal Knob" to select the SDS2000X-E file.

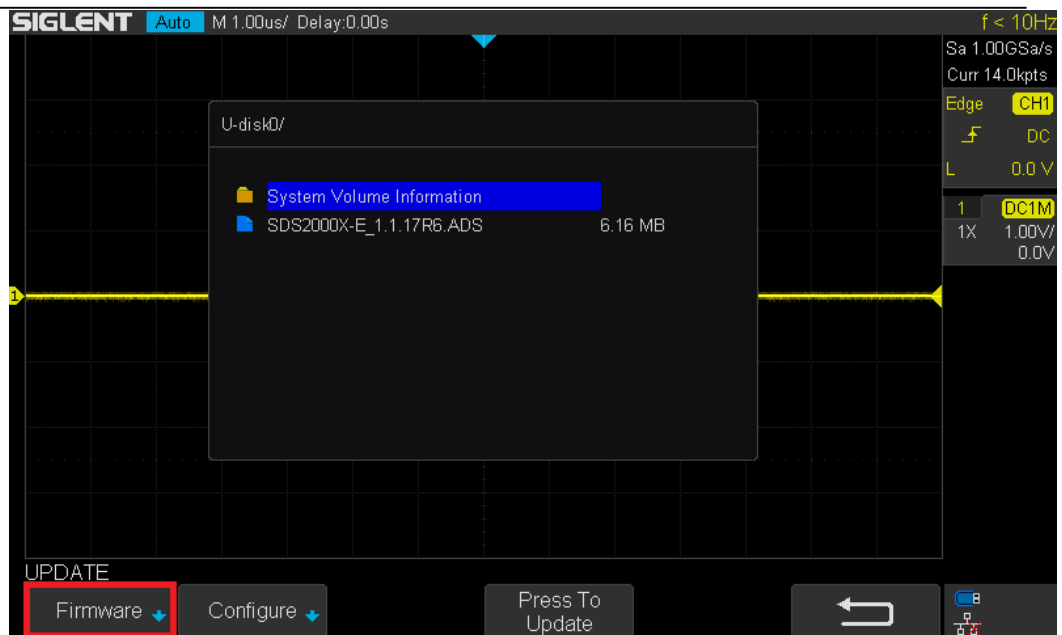


Figure 2 file browsing window

7. Press the knob to enter the following page .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.

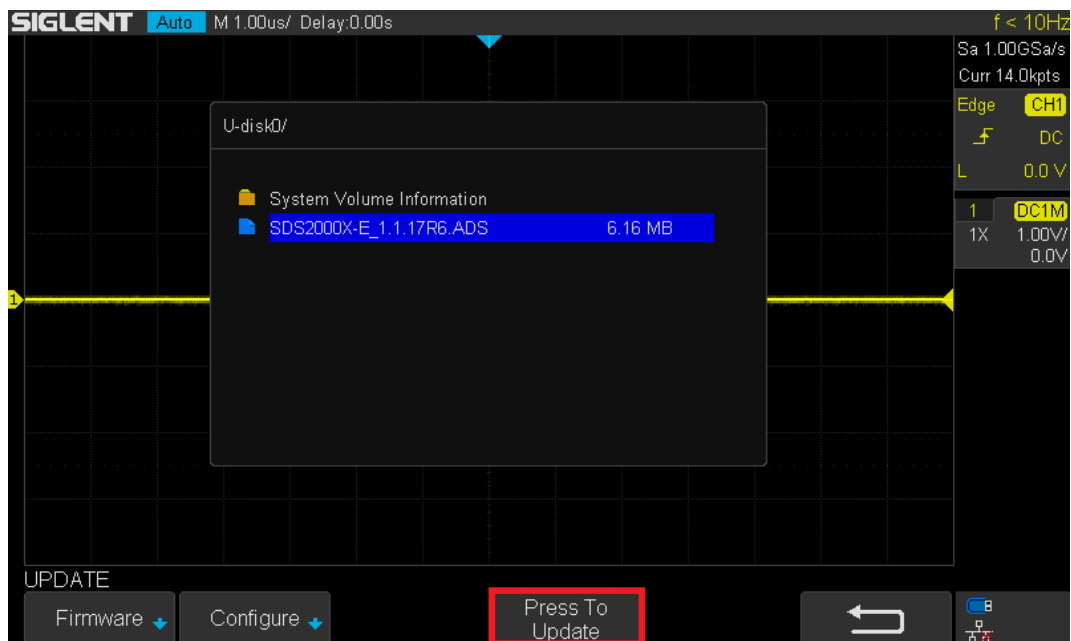


Figure 3 Press the button to start the upgrade

9. A window will open showing the system updating. When finished it will display, “Firmware decompressed! Please restart scope and wait...”

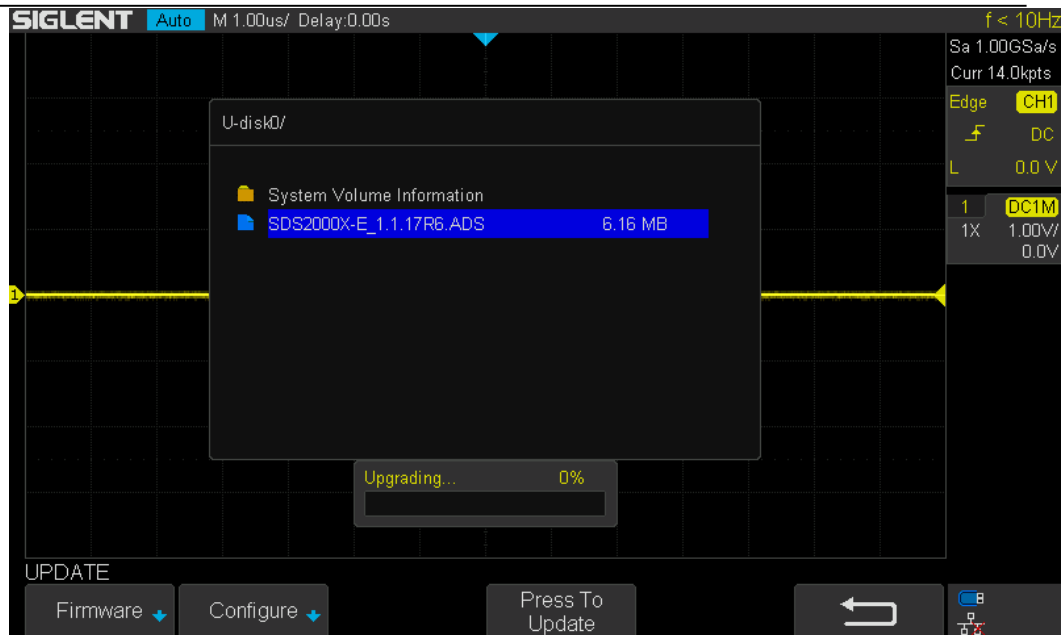


Figure 4 upgrade process

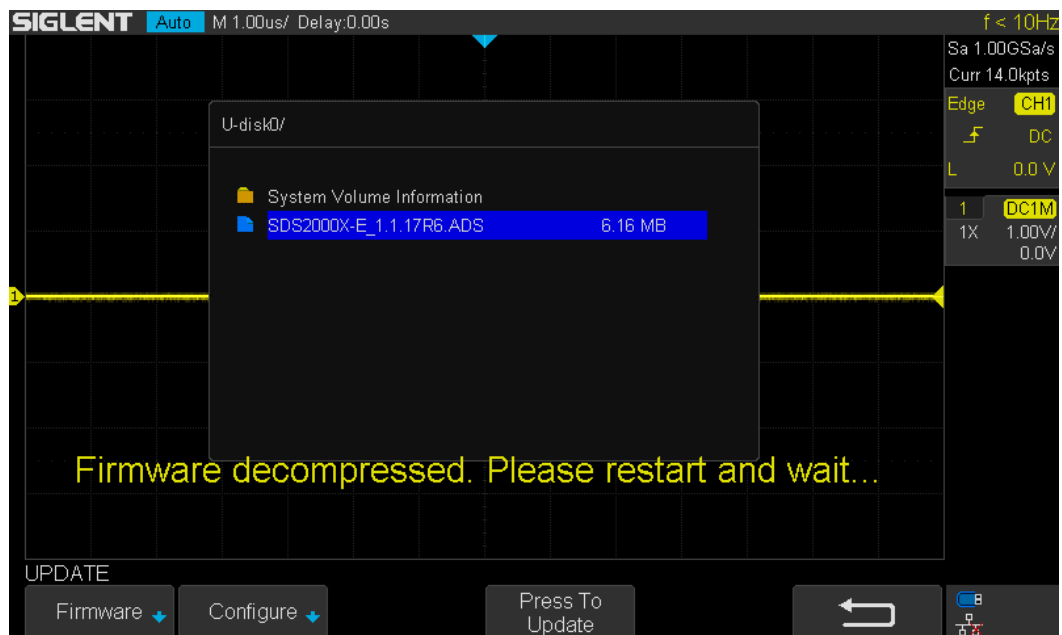


Figure 5 Upgrade successfully

10. Restart the scope.
11. Press the "Utility" button on the front panel to enter the UTILITY function menu.
12. Press the "Next Page" softkey to go to the first page of the UTILITY function menu.
13. Press the "Do Self Cal" softkey to perform the self-calibration.
14. Follow instructions to "Press 'Single' key to begin."

15. Window will open showing self-calibration in process. When process finished , Press "Run/Stop" key to exit.

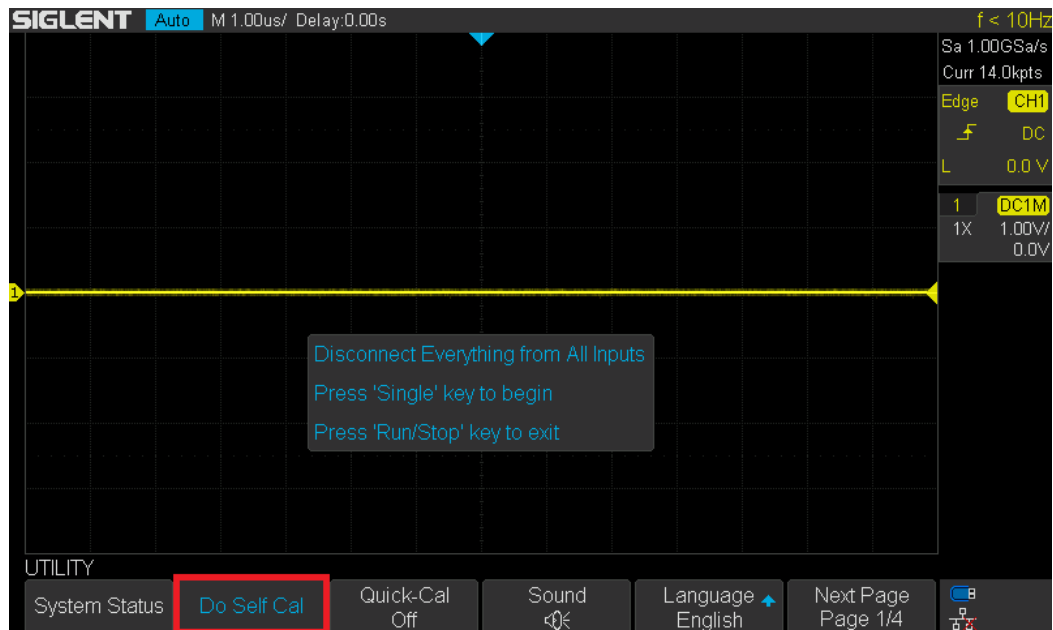


Figure 6 automatic correction

16. To verify the software version press the "Utility" button and go to the first page of the UTILITY function menu.
17. Press the "System status" softkey and confirm the version number under "Software Version" matches your update version.

**Note:** During the update, do not cut off the power or pull out the U-disk.

Please perform a self-calibration once if the machine is updated from any version.