

Keysight B2900C/B2900CL Series Precision Source/Measure Unit

Firmware Update Procedure

1. Power Off the Instrument

If the instrument is ON, press the Line Switch to turn it OFF.

2. Power On the Instrument

Press the Line Switch again to turn ON the power and wait until the LAN indicator turns green or red.

3. Download Firmware

Download the latest firmware from [Keysight.com](https://www.keysight.com) to your PC.

4. Unzip the File

If the downloaded file is compressed, unzip it.

5. Prepare USB Flash Drive

On your USB flash drive, create the following folder structure and copy the firmware files into it:

- B2900C/firmware/update-kernel-ktb2900.bin
- B2900C/firmware/update-ktb2900.bin
- B2900C/firmware/update-bootloader-ktb29xx.bin

Important:

- The USB flash drive must be formatted as FAT32. If it is formatted with another file system (such as NTFS or exFAT), back up any required files, reformat the drive to FAT32, and then copy the firmware files.
- Regardless of how the files appear after unzipping, ensure they are placed exactly in the B2900C/firmware/ directory.

6. Insert USB Drive

Insert the USB flash drive into the front panel USB port of the instrument.

7. Open Firmware Update Dialog

Press the function keys in this sequence:

More... > System > More... > Info. > Update > Firmware

8. Start Firmware Update

Press OK to start the update. The process may take about **10 minutes**.

9. Confirm Firmware Revision

Verify the firmware revision:

From the top menu, press Cancel/Local repeatedly to return to the main screen, then navigate:

More... > System > More... > Info. > Revision

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