

This manual describes the steps to update the firmware of the 2560A Precision DC Calibrator (hereafter referred to as the 2560A). When updating, be sure to follow the instructions in this manual.

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## Preparations before Updating

### Installing the USB Driver

Connect the 2560A to a PC with a USB cable, and update the firmware. To communicate with USB interface, you need the YOKOGAWA USB driver (YKMUSB) on your PC. You can download it from our website. For the installation procedure, see the manual that is provided with the driver.

<https://tmi.yokogawa.com/library/documents-downloads/software/usb-drivers/>

Required driver: YKMUSB

### Checking the Firmware Update Tool

Download the 2560A firmware from the 2560A product page on our website to any folder on your PC.

<https://tmi.yokogawa.com/solutions/products/generators-sources/standard/high-voltage-and-high-current-precision-dc-calibrator-2560a/>

Required file: 2560A firmware

Unzip the downloaded firmware file, and check that the following files including this manual are in the folder.

- |                                       |  |
|---------------------------------------|--|
| • BootloaderDownloadApp.exe           | (update program)                       |
| • BootloaderDownloadApp.ini           | (configuration file)                   |
| • bootload.dll, tmctl.dll, YKMUSB.dll | (DLL files)                            |
| • 2560A.firm                          | (the instrument's firmware data file)  |
| • 2560AUpdateIM_EN.pdf                | (firmware update manual (this manual)) |

### Note

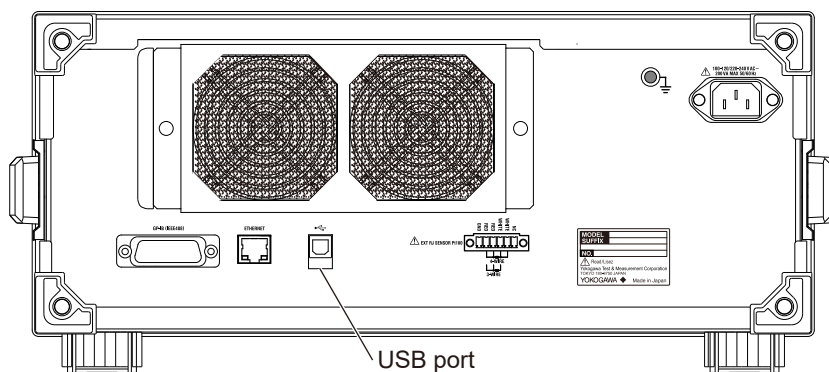
When you update the firmware, the 2560A setup parameters will be reset to their factory default values. If necessary, back up the setup parameters before updating.

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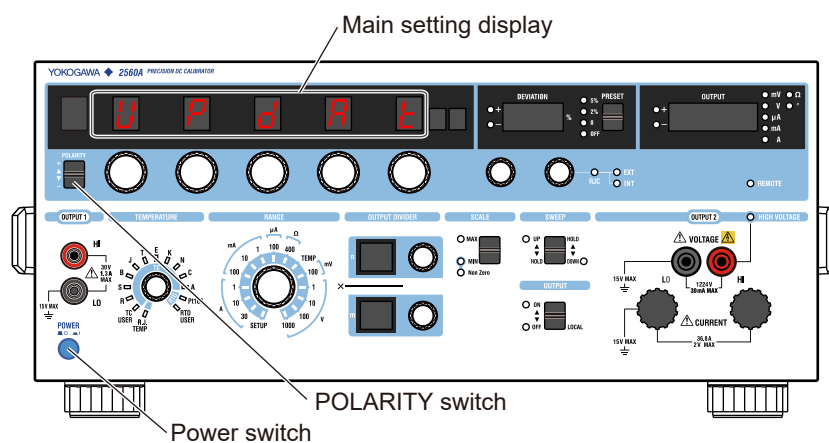
## Firmware Update Procedure

### Connecting and Operating the 2560A

1. Using a USB cable, connect the USB port for PCs on the rear panel to the PC.



2. While pushing the **POLARITY** switch up, turn on the power switch.  
Keep pushing the **POLARITY** switch up until “UPDAT” is displayed on the main setting display.  
The instrument will start in firmware update mode.



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#### Note

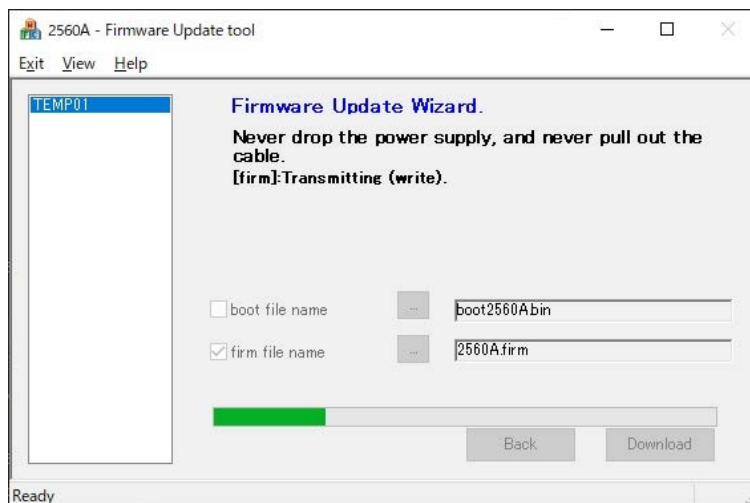
You can update the firmware on only one 2560A at a time. Confirm that only a single 2560A running in firmware update mode is connected to the PC.

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## Operating the Firmware Update Tool

3. Run the update program (BootloaderDownloadApp.exe) in the folder.  
The firmware update wizard will appear, and firmware updating will begin.
4. A progress bar shows the progress.  
Do not remove the USB cable or turn off the 2560A until updating is finished.

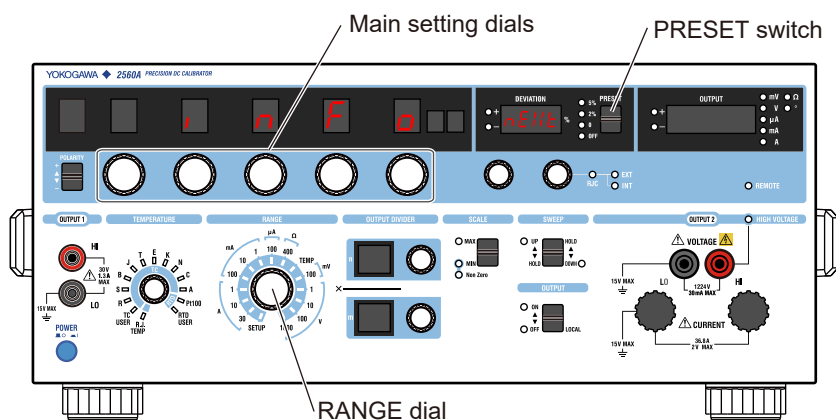


## Update Completion and 2560A Restart

5. When updating completes successfully, the update tool closes automatically, and the 2560A restarts automatically.  
It takes about 20 seconds for the instrument to restart after updating. Do not turn off the power until "2560A" disappears from the main setting display and the normal screen appears.

## Checking the 2560A Firmware Version

6. Turn the **RANGE** dial to select SETUP.
7. Turn the main setting dials to select INFO.
8. Flip down the **PRESET** switch to proceed to the next level.



9. Turn the main setting dials to select FIRM.
10. Check that the firmware version has been updated on the deviation display.

