SKC300S37A Firmware Update Procedure (Linux)

Intended for:

SKC300S37A/60G
SKC300S37A/120G
SKC300S37A/180G
SKC300S37A/240G
SKC300S37A/480G

Release Notes for SKC300S37A, Firmware Rev. 507KC4 (05/21/13)

- Resolved a unique incorrect value bug affecting SMART attribute 231

- Improved platform compatibility when using Secure Erase command

- Enhanced overall system compatibility

System Requirements

Platform

- PC with SATA II or SATA III interface
- Kingston SandForce-based SSD

System Preparation

- As a precaution, perform a backup of all your data to ensure no data is lost during the firmware update process
- You must be running Linux in AHCI mode for this to function properly
- Do not unplug power at any time during the firmware update
- Use only native SATA ports to perform upgrade. Do NOT use third party controllers
- Notebook users, please use AC power to prevent any power loss during firmware upgrade

Getting Started

These instructions are designed to walk you through the firmware update procedure. Please perform a backup of your data before proceeding.

Step 1: Locating the file and selecting file permissions

Locate your download, right-click the file, select "Properties" and click on the "Permissions" tab. Make sure that "Allow executing file as program" is selected.

*Note: If you're using a different GUI (Graphical User Interface) with Linux, you can also ensure the file permissions allow executing via terminal by typing >sudo chmod +x{name of the update utility}
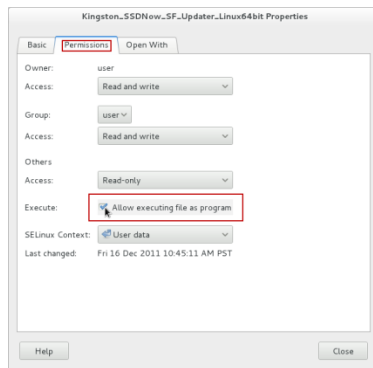

Step 2: Launching the Updater

Open a terminal window, type "sudo" or "su -" , press the spacebar once and then drag the updater executable from your download location into your terminal window. The path of the update utility will auto-populate in the terminal window (as seen in the image below.)

To launch the updater, you must reselect the terminal window by clicking on it before pressing "Enter" (This will ensure that you have selected the active window). Once you do this, you will be prompted for your password to run the executable.

Enter your password and proceed to the next step.
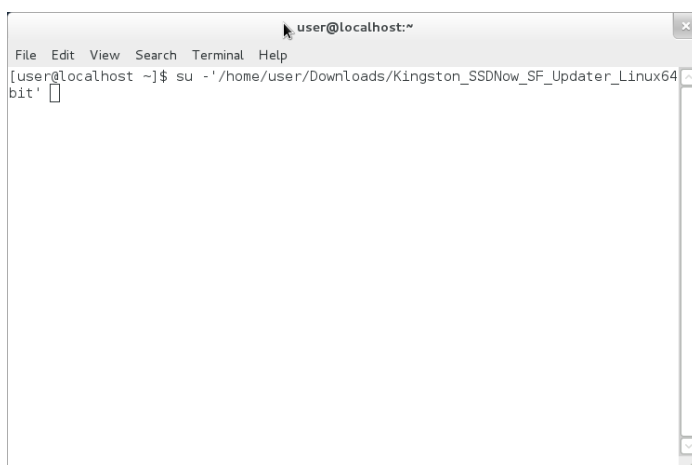
Step 3: Confirming your model number and firmware revision

Confirm that your model drive is present and select the one you wish to update by checking the selection box next to the model number.

- If you are updating the SKC300, you will see SKC300S37AxxxG
- If you are updating the SH103, you will see SH103S3xxxG
- If you are updating the SVP200, you will see SVP200S3xxxxG

(Note: If you wish to update multiple drives, you must do so one at a time.)
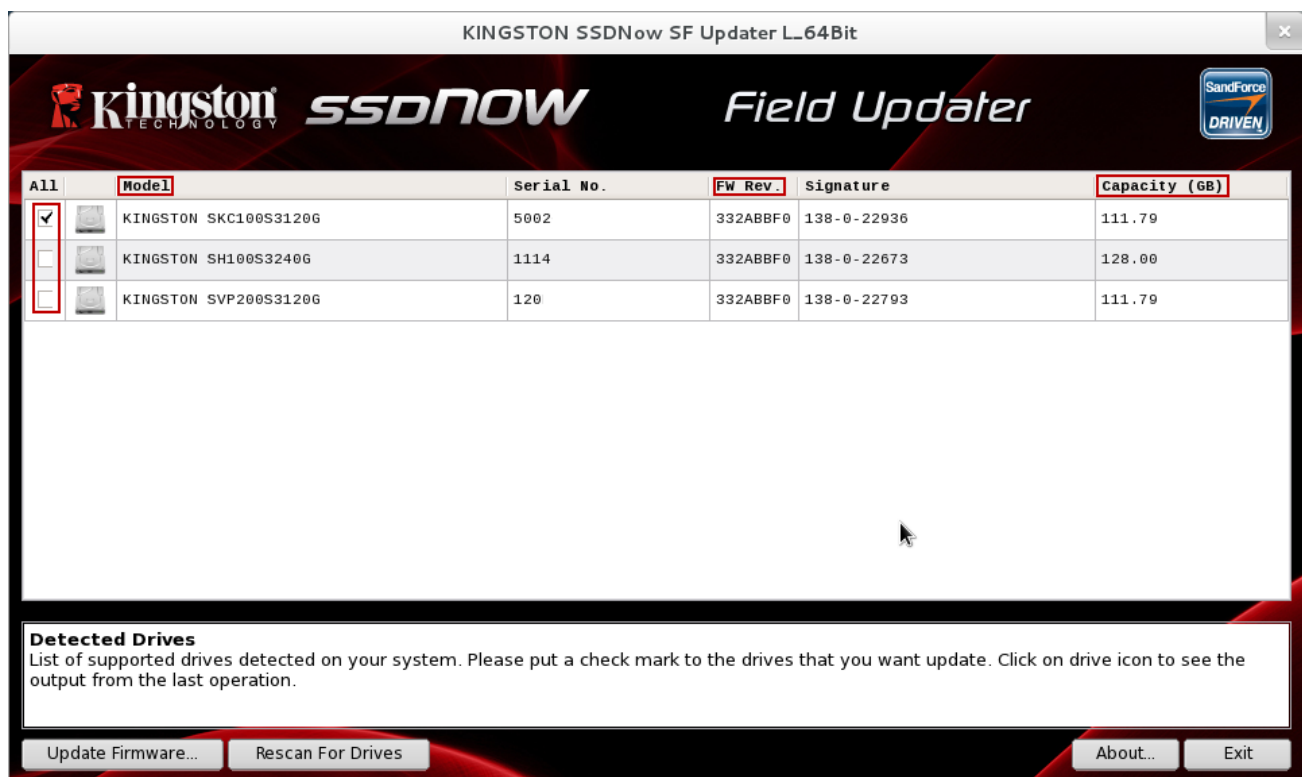
Step 4: Selecting the "Update Firmware" option

Once you've confirmed that you need to update your drive's Firmware and selected the box next to the corresponding Model Name, click on the Update Firmware button located in the lower left corner of the Application interface.
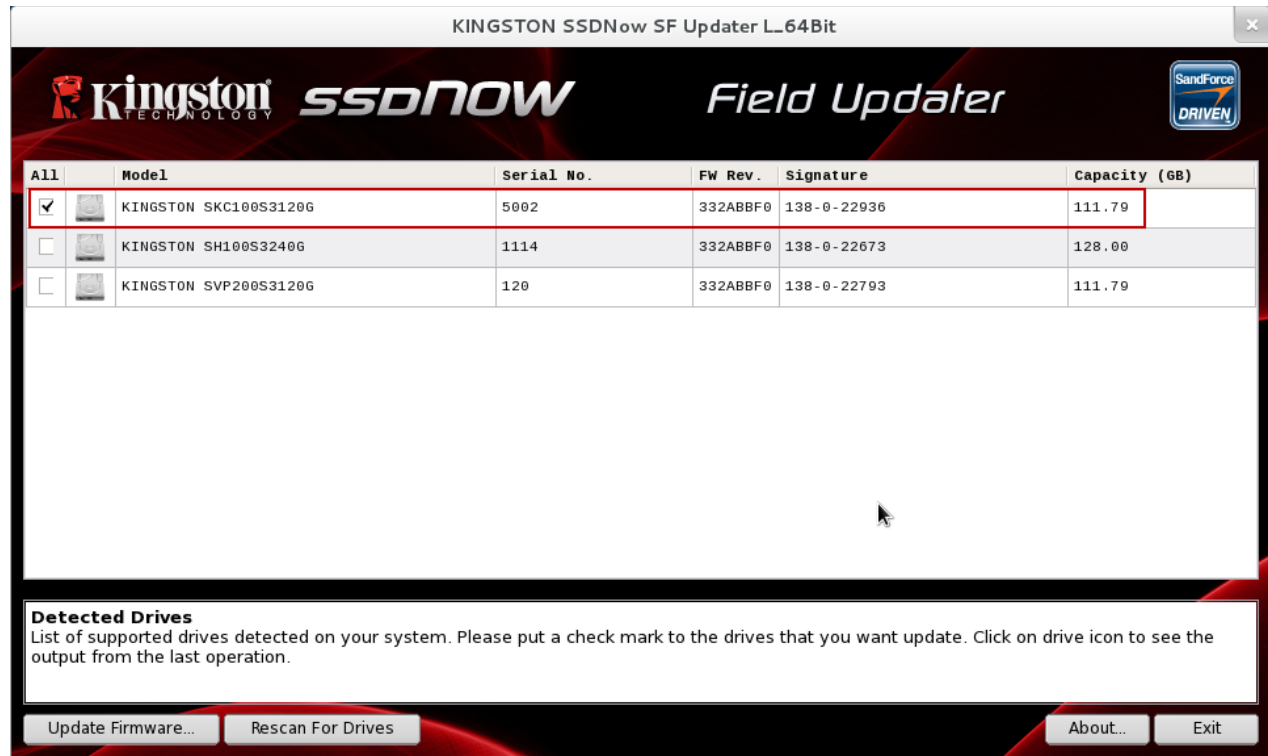

Step 5: Locating the update file

You will be prompted to select the appropriate firmware file you wish to update with. To do this, navigate to where you downloaded the update and select the file that matches the capacity of the drive you wish to update. (Ex. SKC100S3/120G firmware shown)

- If you are updating the SKC300, you will see SKC3007A_xxxG_FWxxx.vic
- If you are updating the SH103, you will see SH103_xxxG_FWxxx.vic
- If you are updating the SVP200, you will see SVP200_xxxG_FWxxx.vic
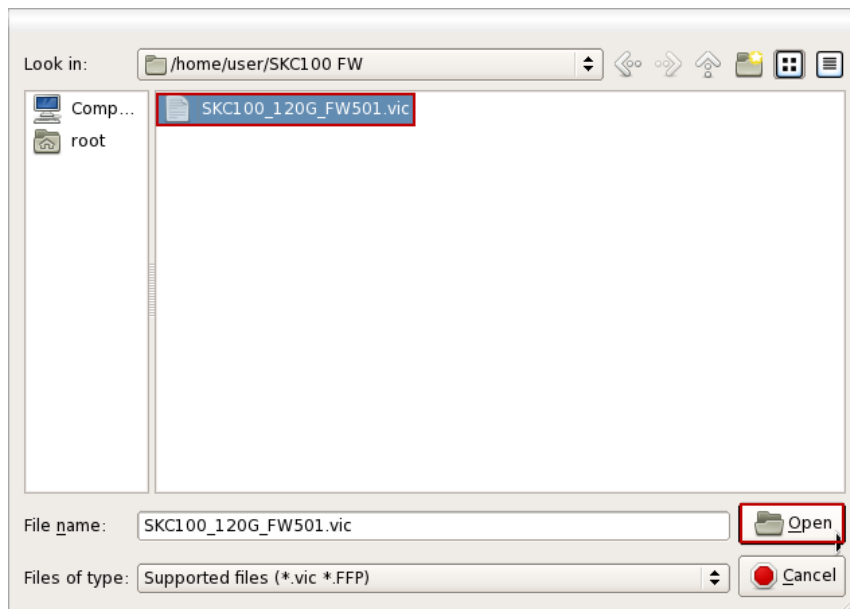
Step 6: Alert messaging and proceeding to update

If you haven't already backed up your data as indicated in the "System Preparation" section of this document, you should cancel the update, back up your data and then proceed back through steps 1-5. If you have successfully backed up your data, select "Proceed" to continue the update process.
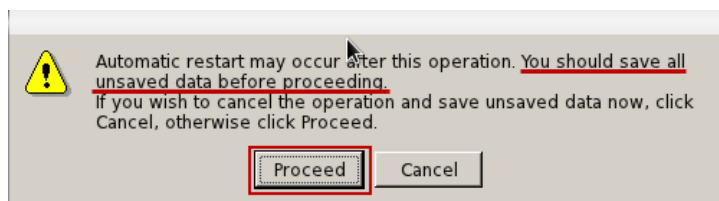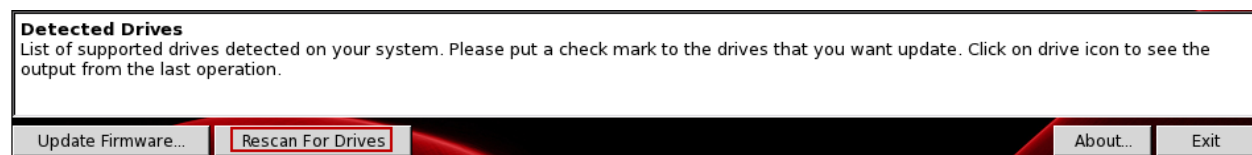
Step 7: Successful update

The update process will take approximately 1 minute to complete. When it has completed successfully, you will receive a green check next to your drive's model name. Proceed to step 8 for additional confirmation information.
(Ex: Kingston SKC100S3120G shown below)

All		Model	Serial No.	FW Rev.	Signature	Capacity (GB)
✔	✅	KINGSTON SKC100S3120G	5002	332ABBF0	138-0-22936	111.79
☐		KINGSTON SH100S3240G	1114	332ABBF0	138-0-22673	128.00
☐		KINGSTON SVP200S3120G	120	332ABBF0	138-0-22793	111.79

Step 8: Confirming successful update

As a secondary confirmation, select the "Rescan for Drives" button in the lower left corner of the application. This will enable the utility to refresh your drive so that you can verify that your SDD's firmware has been updated. Continue to step 8.

Detected Drives
List of supported drives detected on your system. Please put a check mark to the drives that you want update. Click on drive icon to see the output from the last operation.

Update Firmware...	Rescan For Drives		About...	Exit

Step 9: Confirming successful update (cont.)

Your updated Firmware Revision will be displayed under "**FW Rev.**"
(Ex: 501ABBF0 shown below.)

All		Model	Serial No.	FW Rev.	Signature	Capacity (GB)
☐		KINGSTON SKC100S3120G	5002	501ABBF0	138-0-22936	111.79

Step 10: Closing the update utility

Close the Field Updater by clicking the "X" in the top right corner of the application. Your firmware update is complete.
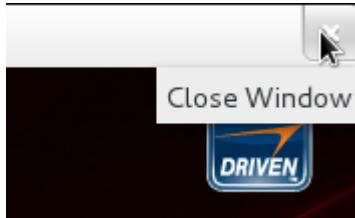
Step 11: Restarting your system

After completing the Firmware update process, Kingston recommends that you safely shutdown your system, wait 10 seconds and then power on.