

# SSDNow SV100S2

## Firmware Update Tool

### Version 1.0

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#### Kingston Part Numbers:

- SV100S2/64G
- SV100S2/64GZ
- SV100S2/128G
- SV100S2/128GZ
- SV100S2/256G
- SV100S2/256GZ
- SV100S2D/64G
- SV100S2D/128G
- SV100S2D/256G
- SV100S2N/64G
- SV100S2N/128G
- SV100S2N/256G
- SV100S2x/xxxxxxx

Date	Firmware Revision	Description	Note
3/15/2011	D110225a	This firmware revision is for Kingston SV100 Series SSD only and fixes following issue: 1. Drive hangs with System BIOS, boot failure.	
11/1/2010	D100811a	Initial Release	

#### IMPORTANT NOTICES REGARDING THE USE OF THE FIRMWARE (FW) UPDATE TOOL

1. **FreeDOS version 1.0.** This software uses the FreeDOS kernel, which is distributed under the terms of the GNU GPL. You can download a copy of the source code to the Free DOS kernel that we used from Kingston's website at [http://www.kingston.com/support/ssdnow/v100\\_firmware.asp](http://www.kingston.com/support/ssdnow/v100_firmware.asp) or request a copy at the FreeDOS website at <http://www.freedos.org>.
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4. This firmware update shall in no way extend or expand the coverage of the original warranty applicable to the product (see Kingston’s Product Warranties at <http://www.kingston.com/company/warranty.asp>).

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1. It is highly recommended you make a full backup of your data PRIOR to performing this firmware update. This will ensure that no data is lost during the update process.

2. System Requirements

(NOTE: If you are using a USB-based CD/DVD-ROM drive and the system does not allow you to boot from it, try replacing it with a SATA-based CD/DVD-ROM drive and re-try the firmware update.)

PC:

- Host System with a Writable CD/DVD drive
- Blank CD-R or CD-RW
- ISO Image burning software (sometimes provided with CD/DVD drive)
- Access rights to startup system BIOS (not necessary in all cases)

Mac:

- Host System with a Writable CD/DVD drive
- Blank CD-R or CD-RW
- ISO Image burning software (See Mac Disk Utility or 3<sup>rd</sup> party software)
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3. Quick Start

- Obtain ISO image file for creating bootable CD here:  
[http://www.kingston.com/support/ssdnow/v100\\_firmware.asp](http://www.kingston.com/support/ssdnow/v100_firmware.asp)
- Insert a blank CD-R or CD-RW into your CD/DVD drive
- Start your CD/DVD burning software
- Use ISO burning option (sometimes referred to as “Burn an Image”) to burn ISO image file to blank CD-R or CD-R/W

**Note: Do not burn a data disk, burn an image when selecting burning method**

- For more details please consult your CD/DVD burning software users guide

#### 4. BIOS setup (PC)

- Enter BIOS after power-on (usually by pressing the “del” or F1 key)
- In BIOS, set first boot device priority/order to CD/DVD-ROM (Example 1).
- Under drive configuration, check that SATA Mode is set to “IDE” (Example 2). If it’s not already set to “IDE”, change SATA mode from “AHCI” or “RAID” mode to “IDE” or “Compatibility” mode. Some systems have an additional SATA mode setting called “Native” or “Legacy”. In this case, set SATA mode to “Legacy”. SATA mode can and should be returned back to its original configuration after the firmware upgrade completes.

*(Note: If you do not see any of the fore-mentioned mode options named specifically this way in your system’s BIOS, please note that BIOS terminology may differ from one motherboard manufacturer to the next. Therefore, the SATA mode option may appear as ATA, IDE, legacy, etc. Please consult your specific motherboard manufacturer’s documentation for more detailed information.)*

- Disable drive password or any system password if one is set.

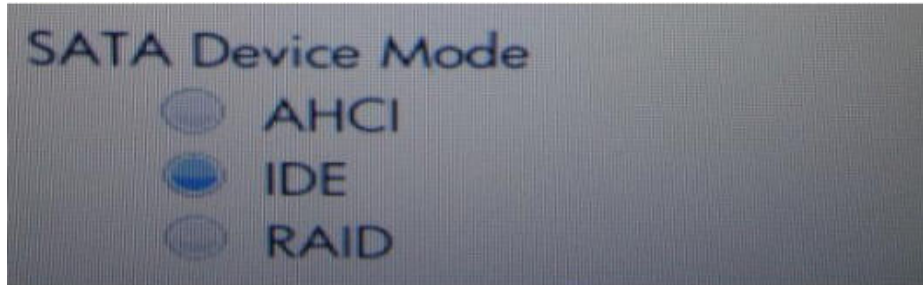
#### Example 1



Restart the computer. While the system is restarting, run the system setup program (BIOS). The BIOS can be activated by pressing a special key such as ESC, F1, F12 or DELETE. (Refer to your system manufacturer’s documentation for the correct key.)

*(NOTE: If you have not already done so, it is highly recommended you make a full backup of your data PRIOR to performing this firmware update. This will ensure that no data is lost during the update process.)*

## Example 2



Select IDE mode, save the settings and exit BIOS. (For more detailed instructions on configuring the BIOS, consult your system manufacturer's documentation.) Restart the computer.

### 5. Firmware Update

#### **System Preparation:**

- As a precaution, perform a backup of all your data to ensure no data is lost during the firmware update process.
- Do not unplug power at any time during the firmware update.
- Notebook users, please charge battery to full charge or use AC power to prevent any power loss during firmware upgrade.

#### **Firmware Update:**

- If you have not already done so, please make a full backup of your data PRIOR to performing this firmware update. This will ensure that no data is lost during the update process.
- Insert the CD-R/RW containing the ISO image (refer to step 2) into your CD/DVD drive, close all applications and restart the system
- Boot from CD/DVD-ROM drive

Note: For Mac, hold the "C" key after power-on to boot from CD/DVD drive

- The system will automatically load the firmware install tool (Example 3)

- Accept the “Terms of Use” by selecting “y”
- Select ‘y’ again to proceed with the firmware upgrade
- Please wait for firmware upgrade to complete (typically 15-20 seconds)
- An “Update Successful” message will appear when the process is complete
- Remove the CD and power off the system
- Power on the system and enter system BIOS to restore SATA mode to original configuration, if necessary, and to designate the SSD as the first boot device.

Note: If the install tool does not detect the Kingston SSD, please refer to step 2 to check IDE mode setting requirement.

### Example 3

```
<Kingston SSD FW UPDATE TOOL> (B2B 2.8A)
Copyright(c)2011 Kingston Inc.
Welcome to the Kingston SSD FW UPDATE TOOL.

Current Model Name: KINGSTON SV100S264G
Current Firmware Version: D100811a
New Firmware Version: D110225a
-----CAUTION-----
This update may result in data loss.
Please perform a backup before applying the firmware update.
-----WARNING-----
During the firmware update process, your system must remain connected to a reliable power source to prevent unexpected damages.
Kingston Digital, Inc., is not responsible for any data loss or damages during the update process.
-----
Have you read and accepted the license agreement README.TXT? (Y/N)
```

### Firmware Update Screen

#### 6. History

- Initial 3/14/2011 Version 1.0
- Added note to ‘System Requirements’ regarding USB-based CD/DVD ROM. Document version upgraded to 4808099-002.A01, 03/29/2011.
- Added recommendation for backing up data prior to firmware upgrade. Document version upgraded to 4808099-002.A02, 04/05/2011.