Firmware Download Guide
(DSRD – *Dos Samsung Re-Drive*)

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1. Drive Model

- 2.5" 256GB MLC SSD
- 2.5" 128GB MLC SSD
- 2.5" 64GB MLC SSD

2. Firmware Version

- Old version : VBM18C1Q or VBM1801Q (Before Update)
- New version : VBM19C1Q (After Update)

System & Tool Requirement

1. SATA Desktop System
2. DOS Bootable USB drive
3. DSRD Tool (DSRD.zip)

[Warning]

"DEVICE MUST BE PLUGGED IN AT ALL TIMES DURING THE FIRMWARE UPDATE PROCESS OR ELSE DRIVE MAY BE PERMANENTLY DAMAGED AND RENDERED INOPERABLE."

"YOU MUST BACKUP ALL DATA ON THE DRIVE AS THE FIRMWARE UPDATE PROCESS WILL CAUSE THE LOSS OF ALL DATA"
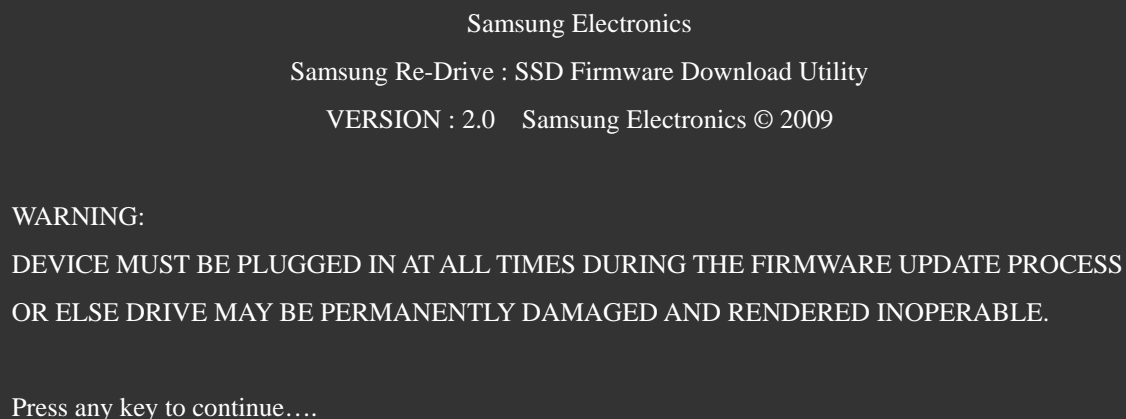
1. Extract all provided zip files to DOS bootable USB Drive.

    (You should extract all files into root directory)

    - It will create **Autoexec.bat file** and **DSRD folder** onto USB drive

2. Connect SSD to any SATA port in the desktop system.

3. Turn system power on with USB booting

Tip: **i) Refer to boot priority selection in your system BIOS if your system can not boot with USB drive.**

ii) DOSRD application will execute only in IDE and AHCI modes of ATA / SATA / AHCI controllers. Please check the BIOS setting and set drive mode configuration to Native IDE / AHCI modes.

4. It will automatically display below message. Press any key to continue.

Samsung Electronics

Samsung Re-Drive : SSD Firmware Download Utility

VERSION : 2.0   Samsung Electronics © 2009

WARNING:

DEVICE MUST BE PLUGGED IN AT ALL TIMES DURING THE FIRMWARE UPDATE PROCESS OR ELSE DRIVE MAY BE PERMANENTLY DAMAGED AND RENDERED INOPERABLE.

Press any key to continue….

5. Type "**y**" in below message and enter

```
                        Samsung Electronics
            Samsung Re-Drive : SSD Firmware Download Utility
                 VERSION : 2.0    Samsung Electronics © 2009


 Disk: 1
-----------
Serial Number       : xxxxxxxxxxxxx
Model               : SMASUNG MLC SSD
Firmware Version   : VBM18C1Q
-----------------------------------------------------------
Download firmware on this disk? [Y/N] : y
```

6. Type "**y**" in below message and enter. Please make sure you did backup all of your data
   in SSD before this procedure.

```
                        Samsung Electronics
            Samsung Re-Drive : SSD Firmware Download Utility
                 VERSION : 2.0    Samsung Electronics © 2009


 Disk: 1
-----------
Serial Number       : xxxxxxxxxxxxx
Model               : SMASUNG MLC SSD
Firmware Version   : VBM18C1Q
-----------------------------------------------------------
Download firmware on this disk? [Y/N] : y


WARNING:
YOU MUST BACKUP ALL DATA ON THE DRIVE AS THE FIRMWARE UPDATE PROCESS
WILL CAUSE THE LOSS OF ALL DATA


Please take backup of all data on the disk before proceeding…
Do you want to continue? [Y/N] : y
```

7. It will automatically download FW as below message.

```
                        Samsung Electronics
            Samsung Re-Drive : SSD Firmware Download Utility
                 VERSION : 2.0    Samsung Electronics © 2009


 Disk: 1
-----------
Serial Number        : xxxxxxxxxxxxx
Model                : SMASUNG MLC SSD
Firmware Version   : VBM18C1Q
-----------------------------------------------------------
Download firmware on this disk? [Y/N] : y


WARNING:
YOU MUST BACKUP ALL DATA ON THE DRIVE AS THE FIRMWARE UPDATE PROCESS
WILL CAUSE THE LOSS OF ALL DATA


Please take backup of all data on the disk before proceeding…
Do you want to continue? [Y/N] : y
Downloading F/w .
Downloading F/w …………………….


Firmware has been successfully upgraded!
New Firmware : VBM19C1Q
```

8. Turn off the system power after download completion. Now, you have latest firmware version, VBM19C1Q on your SSD!

9. Download tool will skip firmware update If the drive already has same firmware version, VBM19C1Q.

Q 1: Why DSRD application is taking long time to open?

A 1: DSRD tries to detect disks connected to the system when it is launched. This may require few minutes depending on the number of disks connected to the system and the hardware platform.

Q 2: Why DSRD application does not download firmware, but returns a success message?

A 2: This can be due to the following problems:

a. You could have downloaded wrong firmware file, kindly recheck that the appropriate firmware version is being used for the current SSD model.

b. The firmware files may be residing on the target disk itself. Kindly relocate the firmware files to a drive other than the SSD which is being upgraded.

Q 3: Why is my drive not being detected once the system boots?

A 3: This can be due to the fact that some DOS versions do not recognize FAT32 file systems. Please recheck to ensure that the drive has a FAT16 file system with necessary files and then retry. Windows provides tools to make a FAT16 file system or partition.

- END -