Firmware Update Guide
For Solid State Drives (SSDs)

Document History

Revision	Release Date	Purpose and/or Desc. Of Changes
1.0	January 06, 2009	First Revision

CAUTION: Super Talent is not held responsible for lost data. To ensure SSD data is safe, please backup all data on a separate drive before proceeding to update F/W on your SSD.

* Note: In order to update F/W, please ensure that F/W and SSD model must match accordingly. This tool is used only for the following SSD models: FTDxxGL25H, FTMxxGL25H, FUDxxGL18M, and FUMxxGL18M.

F/W update via Booting Diskette

Firmware Files
1. Please download FWUPD.zip from the Super Talent website.

2. Unzip FWUPD.zip to see the 10 files inside. The 10 files are:
   - SATATEST.BIN
   - SYS_S.BIN
   - SYS_S_4.bin
   - SYS_S_8.BIN
   - SYS_U.BIN
   - MPTOOL.INI
   - FLASH.INI
   - GDP.BIN
   - SATAISP.EXE
   - README.TXT

Make a Booting Floppy Diskette
1. Windows 98 is recommended

F/W Update Process

1. Copy the 10 unzipped files onto the floppy diskette

2. Insert the floppy diskette into the floppy drive

3. Connect the SSD with the SATA cable and SATA power cable

4. Turn on the computer. Check the BIOS settings to make sure that the floppy diskette boots up

5. Type "SATAISP" to run the F/W update tool

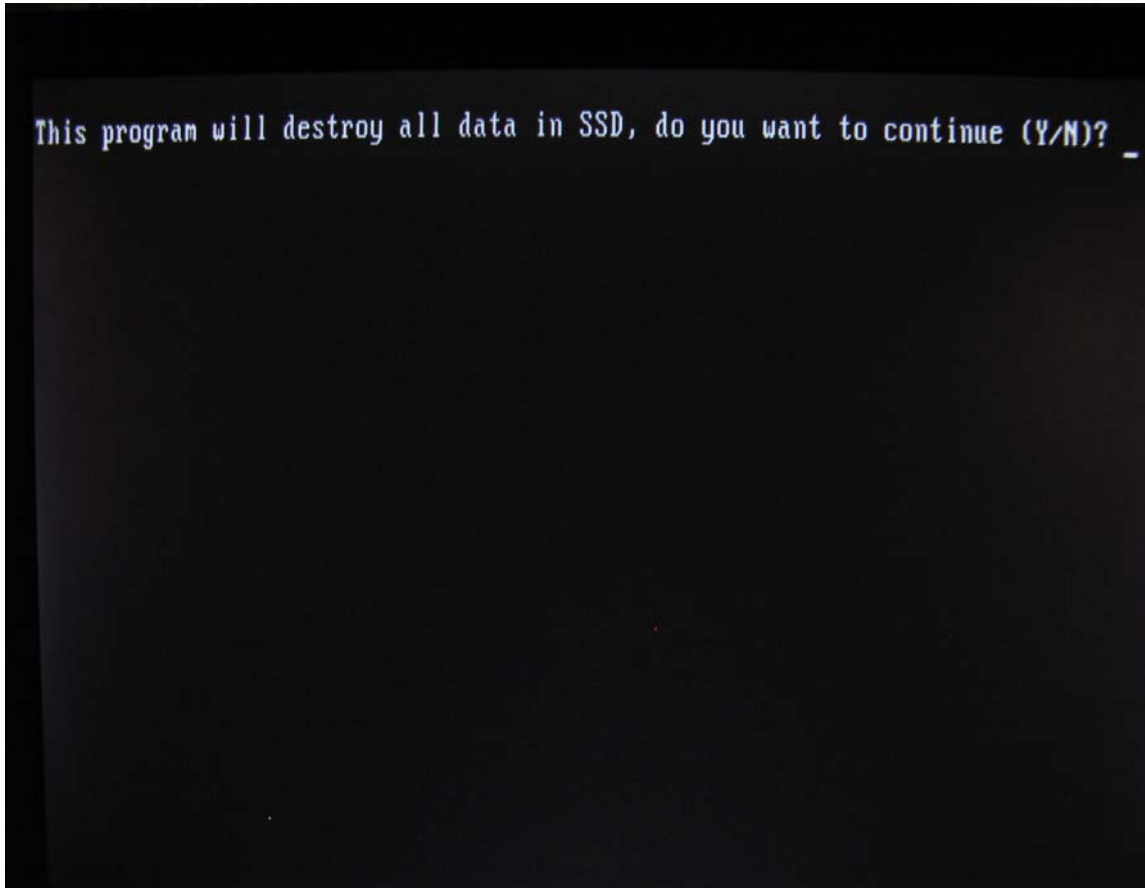6. If the SSD is connected correctly, the message in Figure 1 will appear.

This program will destroy all data in SSD, do you want to continue (Y/N)? _

Figure 1: Screen Shot of the "Destroy Data" Notice

7. Press "Y" (if you already backup data or you don't need)

8. The system will automatically update the F/W and format the SSD. Figure 2 is a screen capture of a successful F/W update.
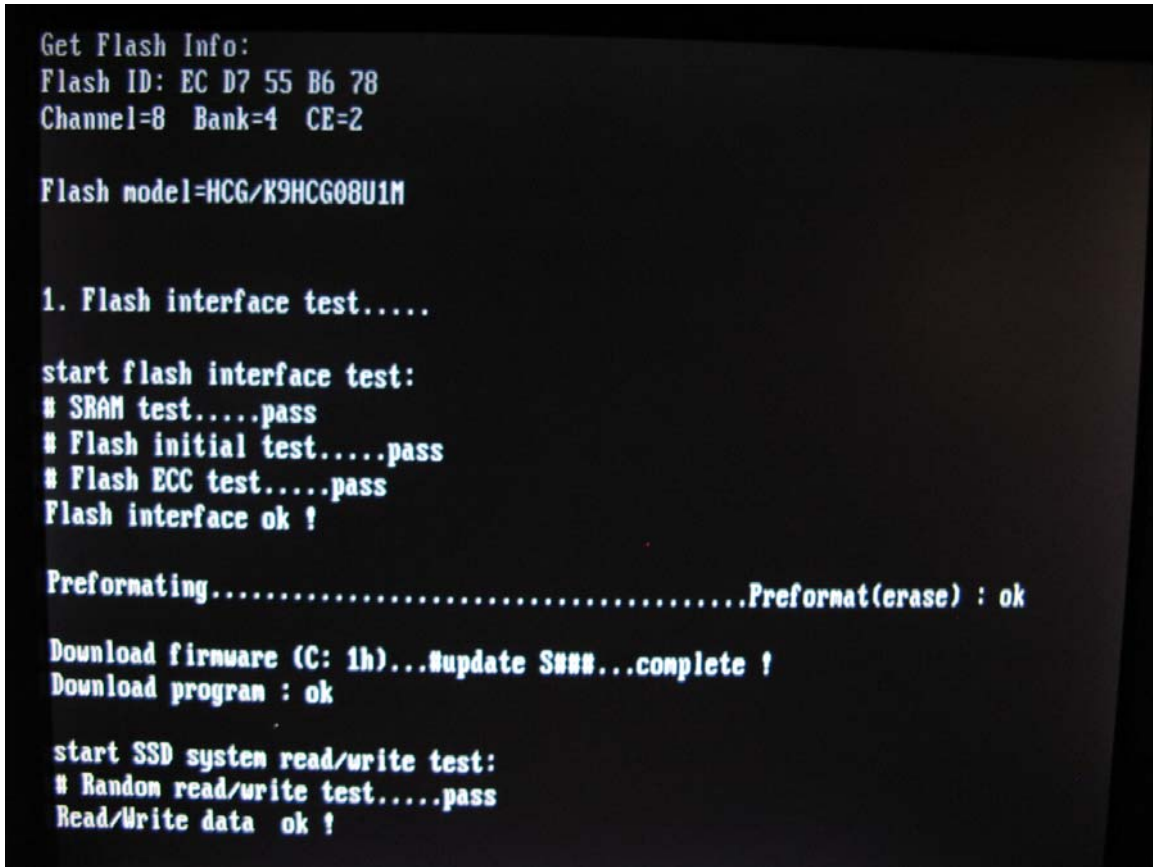
```
Get Flash Info:
Flash ID: EC D7 55 B6 78
Channel=8  Bank=4  CE=2

Flash model=HCG/K9HCG08U1M


1. Flash interface test.....

start flash interface test:
# SRAM test.....pass
# Flash initial test.....pass
# Flash ECC test.....pass
Flash interface ok !

Preformating.................................Preformat(erase) : ok

Download firmware (C: 1h)...#update S###...complete !
Download program : ok

start SSD system read/write test:
# Random read/write test.....pass
Read/Write data  ok !
```

Figure 2: Screen Shot of Successful F/W Update

Firmware Update via Bootable USB Drive

Firmware Files
1. Please download FWUPD.zip from the Super Talent website.

2. Unzip FWUPD.zip to see the 10 files inside. The 10 files are:
   - SATATEST.BIN
   - SYS_S.BIN
   - SYS_S_4.BIN
   - SYS_S_8.BIN
   - SYS_U.BIN
   - MPTOOL.INI
   - FLASH.INI
   - GDP.BIN
   - SATAISP.exe
   - README.TXT

Check CMOS Setting
1. Select the bootable USB drive as the first boot device

2. In order to update the F/W, the following BIOS settings must be set:
   - Integrated Peripherals
   - PCI IDE BusMaster: (Enabled) Select
   - On chip SATA Type: (Native IDE) Select
   - Options: Native IDE / RAID / Legacy IDE / AHCI

3. Save Changes

F/W Update Process
1. Copy the11 unzipped files onto the bootable USB drive

2. Plug the USB drive into the USB connection into the computer

3. Connect the SSD with the SATA cable and SATA power cable

4. Turn on the computer and enter the correct CMOS settings (listed in above paragraph)

5. Boot to USB drive

6. Type "SATAISP" to run the F/W update tool

7. If the SSD is connected correctly, the message in Figure 1 will appear

8. Press "Y" (if you already backup data or you don't need)

9. The system will automatically update the F/W and format the SSD. Figure 2 is a screen capture of a successful F/W update.