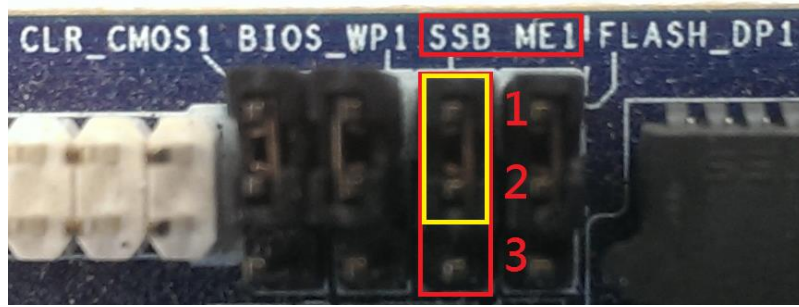


# GIGABYTE BIOS Update SOP

Please select first below update situation.

1. F version BIOS update to R version BIOS.
2. (F version to F version) or (R version to R version) update BIOS.

## 1. F version BIOS update to R version BIOS:



➤ Please check first **SSB\_ME1** Jumper keep **1-2** location.

We provided two kind of method to update BIOS for support V2 serial CPU.

Method A. Didn't need to move Jumper setting to finish flashing BIOS. (Easy Update)

Method B. Need to move Jumper setting to finish flashing BIOS. (Fully Update)

**Note:** The Method A. will not update SPI descriptor region.

### A. Flash BIOS and Intel ME firmware.

**Note:** We will backup BIOS DMI information and copy to newly BIOS.

1. Boot to DOS.
2. Execute **FB 1**. (system will auto execute flash BIOS and ME)

```
FPT Operation Passed
      1 file(s) copied
Fpt BIOS Flash success!
System cold boot for next step!
waitting for 5 secs...
```

```
C:\>C:\FQA\1\fh.bat 2

+-----+
|               AMI Firmware Update Utility  v3.05.02               |
|               Copyright (C)2013 American Megatrends Inc. All Rights Reserv |
+-----+
Reading flash ..... done
- ME Data Size checking . ok
- FFS checksums ..... ok
- Update success for /FDT!!
- Update success for /PDR!!
- Successful Update Recovery Loader to OPRx!!
- Successful Update FPT, MFSB, FTFR and MFS!!
- ME Entire Image update success !!
WARNING : System must power-off to have the changes take effect!
Afudos Flash success! waitting for 5 secs to reboot syste
```

```
-----
(/IV)BIOS version      W      Done      "R04"
(/ID)BIOS release date W      Done      "09/28/2013"
Restart the system!
All BIOS flash steps are done! Please AC OFF and AC ON again. Tha
=====GigaByte Flash BIOS Utility v0.1=====
C:\FQA\1>
```

3. Finished, Please **AC off** and AC on again.

## B. Use FPT tool flash BIOS + ME firmware. (Need move Jumper)

**Note:** We will backup BIOS DMI information and copy to newly BIOS.

1. Keep **AC off**.
2. Please find **FLASH\_DP1**.

If you cannot find FLASH\_DP1 jumper, please refer below jumper name list to find this jumper.

MB	JUMPER	MB	JUMPER
	Update		Update
GA-6PXSXV	SSB_ME1	GA-7PESH1	FLASH_DP1
GA-6PXSXV1		GA-7PESH2	
GA-6PXSXV2		GA-7PESH4	
GA-6PXSXV3		GA-6LXSXV	J_HDA_SDO1
GA-6PXSXV4		GA-6LXSXSL	ME_UPDATE
GA-6PXSXVT		GA-6LXSXSG	
GA-6PXSXVL		7PPSP	
GA-7PESL		GA-6LXGHI	
GA-7PESLNI		GA-6LXGL	
GA-7PESLXI		GA-6LISL	
GA-7PESH3		GA-6LPCE	
7PCSLXI	SSB_ME2	GA-6LPXI	
7PCSLNI		GA-6LASL	
7PCSLDI		GA-6LASH	
7PESE3			

Jumper and move to **2-3** location.



3. Boot into DOS and execute **FB 2**.

```
PDR region already exists in flash. You may lose important data
Do you want to continue? Y/<N> or q to quit : Y

- Erasing Flash Block [0x030000] - 100% complete.
- Programming Flash [0x030000] 64KB of 64KB - 100% complete
- Verifying Flash [0x030000] 64KB of 64KB - 100% complete.
RESULT: The data is identical.

FPT Operation Passed
      1 file(s) copied
FPT Flash success! waitting for 5 secs to reboot system

Initializing the SMBIOS interface. Please wait a moment.....
      Name              R/W  Status  Information
-----
(/IV)BIOS version       W    Done   "R04"
(/ID)BIOS release date  W    Done   "09/28/2013"
Restart the system!
All BIOS flash steps are done! Please AC OFF and AC ON again. Thanks
=====GigaByte Flash BIOS Utility v0.1=====
C:\FQA\1>_
```

4. When flash finished. Please **AC off** and move Jumper back to **1-2** location.

## 2. (F version to F version) or (R version to R version) update BIOS.

### A. Flash BIOS only.

**Note:** We will backup BIOS DMI information and copy to newly BIOS.

1. Boot to DOS.
2. Execute **FB 3**.

```
Note:
Please system reset after finish updated.
  1 file(s) copied
AFUDos Flash BIOS success! waiting for 5 secs to reboot system
```

Name	R/W	Status	Information
(/IV)BIOS version	W	Done	"R04"
(/ID)BIOS release date	W	Done	"09/28/2013"

```
Restart the system!
All BIOS flash steps are done! Please AC OFF and AC ON again. Thanks!
=====GigaByte Flash BIOS Utility v0.1=====
C:\PQA\1>
```

3. Finished. Please **AC off** and AC on again.