

# 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!
waiting 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! waiting 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)

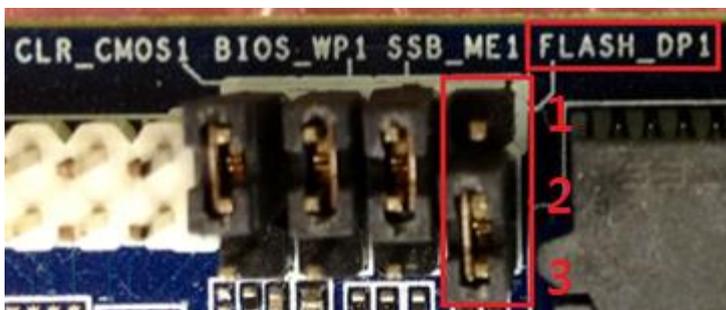
**Note: We will backup BIOS DMI information and copy to newly BIOS.**

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.

(J\_MEUPDATE\MEUPDATE\ME\_UPDATE\HDA\_SDO1\SSB\_ME1\SSB\_ME2\ME\_RCVR\ME\_RVCR\FLH\_JP1)

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! waiting for 5 secs to reboot system
```

```
Initializing the SMBIOS interface. Please wait a moment.....
-----
Name           R/W  Status  Information
-----
(/IU)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.