

## How to flash your Legacy BIOS to EFI BIOS on P5Q Deluxe

1. Download the EFI Beta BIOS (P5Q-ASUS-DELUXE-EFI-0221.ROM) and update tool (LEPRG.EXE) from our support site (<http://support.asus.com/>). Unzip and save the files to a USB thumb drive as a boot disk. Then, connect the thumb drive to your P5Q Deluxe platform.
2. Using the DOS command line interface, access the thumb drive containing the EFI Beta BIOS and the LEPRG.EXE file. (In our screen example: We take directory A and renamed the EFI Beta BIOS as "P5QE0221.ROM" for short. You can choose another directory depending on your configuration.)

```
Microsoft(R) Windows 98
(C)Copyright Microsoft Corp 1981-1999

A:\>dir

Directory of A:\

P5QE0221 ROM      2,097,152  00-21-09  5:40p
LEPRG     EXE      33,070    00-05-09  9:56p
          2 file(s)      2,130,222 bytes

A:\>_
```

3. Next type the "LEPRG P5QE0211.ROM" in the command line, and press enter to execute.

```
Directory of A:\

P5QE0221 ROM      2,097,152  00-21-09  5:40p
LEPRG     EXE      33,070    00-05-09  9:56p
          2 file(s)      2,130,222 bytes

A:\>leprg p5qe0221.rom
*****
*ASUS Legacy BIOS -- EFI BIOS free switch tool . ver 1.1*
*****
Note: This tool only support Legacy BIOS update to EFI BIOS
      or EFI BIOS update to Legacy BIOS on MB P5Q-DELUXE !
Command: LEPRG.EXE FileName
Mother Board is Legacy BIOS ! Flash size is 2M bytes
p5qe0221.rom is EFI BIOS image !
Do you want to update your Mother Board BIOS with EFI BIOS now?
Press 'Y' to implement, Press 'N' to exit this tool!
```

4. A message will then appear asking if you want to update your motherboard Legacy BIOS to EFI BIOS. Choose 'Y' to start the BIOS update as well as back up the original Legacy BIOS.
5. A new file called "LEGBK.ROM" is then created. Please keep this file and do not delete it!

```
A:\>dir

Directory of A:\

LEGBK     ROM      2,097,152  10-07-09  12:05p
P5QE0221 ROM      2,097,152  00-21-09  5:40p
LEPRG     EXE      33,070    00-05-09  9:56p
          3 file(s)      4,227,374 bytes

A:\>
```

6. Next, remove the AC power and reboot your system. The EFI BIOS update is now complete.

- **LEGBK is the original BIOS backup file. If you want to change back to the Legacy BIOS interface, run the BIOS flash tool (LEPRG.EXE) and follow the steps on how to revert back to the BIOS flash setting.**
- **If you want to update a new version of the Legacy BIOS, please revert back to the backup file (LEGBK.ROM) to return to the Legacy BIOS interface first. And then you can update the latest Legacy BIOS. Please note when using EFI BIOS, you will not be able to update the legacy BIOS, unless you revert to the original backup file. Failure to do so will result in the BIOS having the wrong settings or some information loss occurring**

## How to revert back to the original Legacy BIOS setting from EFI BIOS

1. Insert the thumb drive containing the original Legacy BIOS backup file (LEGBK.ROM) and update tool (LEPRG.EXE).
2. Type "LEPRG LEGBK.ROM" in the DOS command line.

Please note if the LEGBK.ROM backup copy is missing, you still can use the normal BIOS update. However, in such cases, the DMI information will be different from the original database or it may be lost.

```
Directory of A:\
LEGBK      ROM      2,097,152  10-07-09 12:05p
P5QE0221  ROM      2,097,152  00-21-09  5:40p
LEPRG      EXE       33,070    00-05-09  9:56p
          3 file(s)      4,227,374 bytes

A:\>leprg legbk.rom
*****
*ASUS Legacy BIOS -- EFI BIOS free switch tool . ver 1.1*
*****
Note: This tool only support Legacy BIOS update to EFI BIOS
      or EFI BIOS update to Legacy BIOS on MB P5Q-DELUXE !
Command:      LEPRG.EXE FileName
Mother Board is Legacy BIOS ! Flash size is 2M bytes
legbk.rom is Legacy BIOS image ?
      Do you want to update your Mother Board BIOS with EFI BIOS now?
      Press 'Y' to implement,Press 'N' to exit this tool!
_
```

3. A message will be displayed confirming if you want to backup the current EFI BIOS and revert back to the Legacy BIOS. Choose 'Y' to start the backup and updating of the BIOS.

```
      Do you want to update your Mother Board BIOS with Legacy BIOS now?
      Press 'Y' to implement,Press 'N' to exit this tool!
      Don't turn off the power when programming flash !
Backup current flash image to EfIBK.ROM..... 100%
Erasing flash ..... 100%
Programming flash ..... 100%
Program flash done ! Success !
Please restart your system !

A:\>_
```

4. After the BIOS is updated, the new file EFIBK.ROM will be created

```
A:\>dir
Directory of A:\
LEGBK      ROM      2,097,152  10-07-09 12:09p
EFIBK      ROM      2,097,152  10-07-09 12:09p
P5QE0221  ROM      2,097,152  00-21-09  5:40p
LEPRG      EXE       33,070    00-05-09  9:56p
          4 file(s)      6,324,526 bytes

A:\>_
```

5. Remove the AC power and reboot your system to complete the update.

- Please note EFIBK is the backup file for the EFI BIOS interface. If you want to revert back to the EFI BIOS interface, run the BIOS flash tool (LEPRG.EXE) and follow the steps on how to change to the EFI BIOS. Your system will revert to the EFI BIOS interface with the previous settings.
- The EFI BIOS is a beta version only available in the P5Q Deluxe motherboard. Please do not load the EFI BIOS into other unsupported motherboards as it may cause potential damage.