

**[How To] BIOS, EC update and EC reset**

This documents applies to all MSI notebook & Vortex Product.

If your system become unstable or encounter any unexpected problem, updating the latest BIOS, EC, reset the EC or perform a clean installation with the device driver/software may help with the problem.

Please refer to the instrcutions below for BIOS, EC update and EC reset.

- Downlaod the latest BIOS and EC firmware from [MSI website](http://www.msi.com) and refer to the update guide below to perform the update.

-BIOS Update Guide:

[https://www.msi.com/files/pdf/How\\_to\\_update\\_bios\\_en.pdf](https://www.msi.com/files/pdf/How_to_update_bios_en.pdf)

-EC Update Guide:

[https://www.msi.com/files/pdf/How\\_to\\_update\\_ec\\_en.pdf](https://www.msi.com/files/pdf/How_to_update_ec_en.pdf)

- EC Reset Steps

1. Power off the notebook.

2. Remove the AC adapter.

3. If the battery pack is removable, remove the battery pack.

If the battery pack is not removable, insert the straighten paper clip to the EC reset hole located at the back/right side of the notebook. (skip step 4 & 5)

P.S. If you can't find the EC reset hole (e.g. GT80), long press power button for 30 sec till the system is shutting down once again. (skip step 4 & 5)

4. Wait for 10 to 15 minutes.

5. Put the battery pack back.

6. Connect the AC adapter.

7. Power on the system.