**S4 BIOS upgrade to SleepStudy Introduction**

SleepStudy is a feature provided by Microsoft to view power consumption related

[Modern Standby SleepStudy | Microsoft Learn](https://learn.microsoft.com/zh-cn/windows-hardware/design/device-experiences/modern-standby-sleepstudy)

<https://learn.microsoft.com/zh-cn/windows-hardware/design/device-experiences/modern-standby-sleepstudy-common-problem-examples>

Things to note

1.Before upgrading from S4 BIOS to MSBIOS，

First execute the registry --S3\_toMS\_StartOverride\_Del. To reduce the risk of blue screen after upgrading BIOS

Executing batch processing can only reduce the probability of blue screen when upgrading from S4 to MS. Because some MS components are not registered when the OS system is installed, there is still a risk of blue screen.

1. MS cannot go to sleep when music is playing in the background
2. The MS function is similar to the background execution of receiving emails or messages when a mobile phone is connected to the network. After the solid sleep state, there may be a situation of waking up, which causes the battery to drain quickly.
3. MS sleep requires some apps to sleep in the background. If some apps or win are being updated, MS will not sleep. You need to wait until the update is completed before you can sleep.

Finally, please upgrade the S4 BIOS to MS BIOS and save the system data to avoid irreparable losses caused by blue screen!

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