

# How often do you turn on 'low power mode' when your iPhone is almost out of battery?

Low power mode is a mode that iOS (or iPadOS) will suggest users to activate every time the battery capacity on iPhone (or iPad) drops below 20%. If you don't really need it, just leave your iPhone in default mode!

According to Apple's description, the system will limit the operation of applications in the background, limit data refresh . to save energy consumption.



However, Apple did not specifically describe what happens when this mode is enabled and how it affects the operation of the device and the user's experience. In fact, "Low Power Mode" has a huge impact on the operation of an iPhone. So how does it work? Let's find out right here.

## Reduce screen brightness

The screen is always the component that consumes the most power on mobile devices. Therefore, companies are always looking for ways to increase the battery life of their products by reducing the power consumption of the screen, and Apple is no exception.



When "Low Power Mode" is on, iPhone will reduce the screen brightness slightly, but not significantly. With the naked eye, most of us will not notice this change. Therefore, this is a pretty smart adjustment from Apple's position, it both helps improve battery life and does not affect too much user experience.

## **Stop app refresh in the background**

In an operating system, we always have applications that have the ability to refresh data continuously or will update periodically, but the bottom line is that they work completely automatically.



However, when "Low Power Mode" is activated, iOS restricts these data refresh tasks. For example, the Mail app will stop updating new emails until the user does this manually or charges the device.

There are some exceptions, including applications that require constant data updates such as Messenger or Telegram that will not be affected by "Low Power Mode".

## **Reduce waiting time**

Normally, the screen timeout is a settable parameter. This is the time from the last time the user touched the screen until the device dims and then automatically locks.



However, when "Low Power Mode" is activated, the screen timeout is locked at 30 seconds. This helps the device not have to keep the screen on for too long if the user is not using it, thereby significantly increasing battery life.

## **Stop syncing iCloud Photos**

If you're using iCloud to back up your photos, the service syncs your photos to Apple's servers whenever your iPhone or iPad connects to Wi-Fi. However, when "Low Power Mode" is activated, the whole process will be temporarily stopped, meaning the photos you just took will never be uploaded to iCloud Photos.



If something goes wrong, chances are high that you will lose all of the above un-backup images.

## **Reduced CPU and GPU performance**

When "Low Power Mode" is enabled, all processor performance is limited, so don't wonder why your iPhone is so slow and laggy when "Low Power Mode" is on. Please.

If you do not believe, users can completely verify with performance scoring software like Geekbench while turning on and off the above mode.

And that's pretty much all that "Low Power Mode" does to an iPhone if it's enabled. If the extra minutes of battery life is worth the trade-offs above, keep it on 24/7.

If not, do not overdo this battery saving tool, because it not only affects performance but also your daily use experience. Think about it, don't you buy an iPhone for both of those things?

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