

Extend battery life Android does not need root with this application

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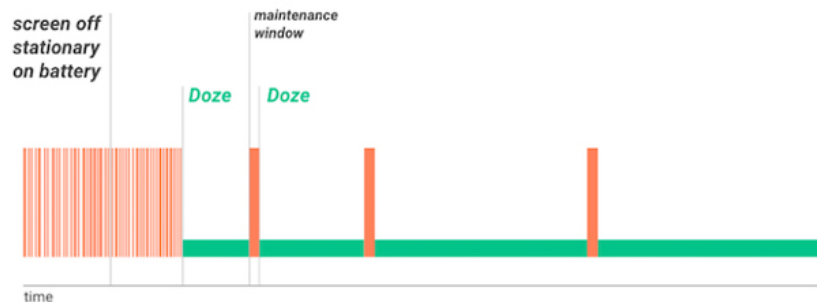
If there is one thing every smartphone user wants that is to **extend the battery life** . One of the best root applications to increase battery life on Android is called Naptime, available for all devices running Marshmallow or newer, even on phones without root.

Download : Naptime (Free)

Doze and Naptime

Android introduced a new feature in Marshmallow, which was later changed for Nougat and Oreo, to extend the battery life of all phones and tablets. It is called Doze, which works by cutting down the power consumption of any application when not using the device.

Doze is a great idea, but there are some limitations that cannot be configured and only operate under certain conditions.

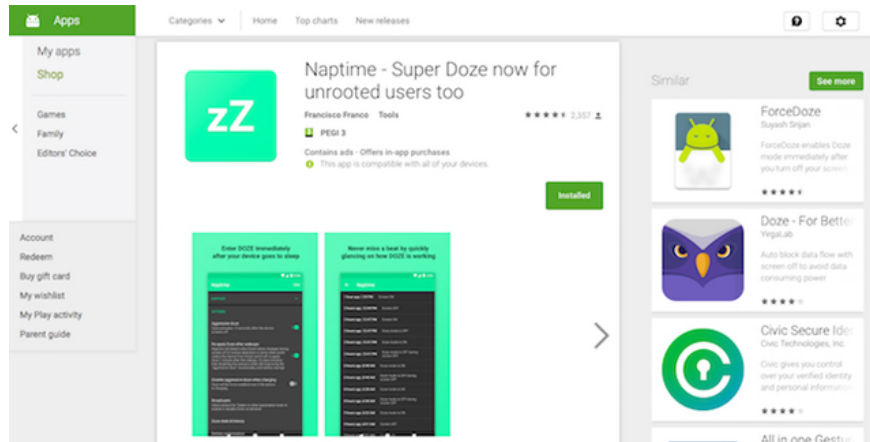


Many people think that the phone does not work when left in the pocket and turns off the screen. However, in fact, the device's sensor is still moving and this will prevent Doze from working. Doze only works when the phone is on the table and doesn't touch it for at least half an hour.

" Super Doze"

Both of these limits are resolved from the application of one of the most popular Android kernel developers. Naptime is described as "Super Doze" and works more actively in saving battery power. By default, it causes Doze to activate 5 seconds after turning off the screen and has solved the first error of Doze that is

customizable, such as adding a white list application that allows running in the background when active Doze.

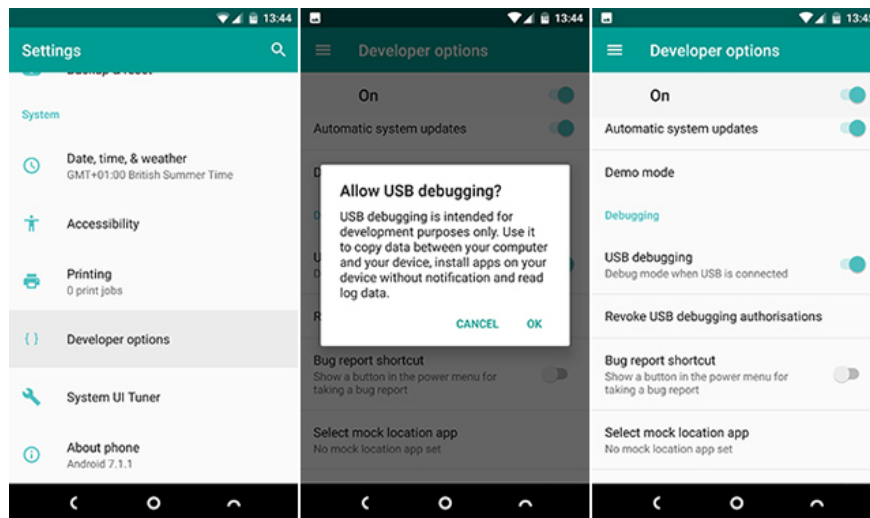


Previously, Naptime was only available for rooted phones. But now it can work on non-rooted devices, although some operations are required to set it up.

Setting up Naptime on the device cannot be rooted

Setting up Naptime on non-rooted phones requires you to activate some settings in Android through the ADB application. ADB is part of the Android SDK that allows to access and refine system files directly.

To get started, download the SDK. There are versions for Windows, Mac and Linux. Unzip the folder after downloading is complete.



On the phone, go to **Settings**> **About phone** , then click **Build number** seven times to activate the Developer option. Now press the back button and go to **Developer options**> **Enable USB debugging** , then click **OK** .

Connect your phone to the computer with a USB cable. The next steps vary depending on the operating system you are using.

On Windows

Step 1: Open the **platform-tools** downloaded and extracted folder.

Step 2: Press **Shift + right-** click the folder and select **Open Command window here** or **Open PowerShell here** .

Step 3: In the window that opens, enter (or copy and paste) **adb -d shell pm grant com.franco.doze android.permission.DUMP** and press **Enter** .

Step 4: Next, type **adb -d shell pm grant com.franco.doze android.permission.WRITE_SECURE_SETTINGS** and press **Enter** .

Step 5 : Now disconnect the phone and launch Naptime.

On Mac and Linux

Step 1: Locate the **platform-tools** downloaded and extracted folder.

Step 2: Open the Terminal application on the computer. In the window that opens, type **cd [space]** and then drag the platform-tools folder into the Terminal window. Fill in the path to the directory: **cd [path to platform-tools]** . Press **Enter** .

Step 3: Now type (or copy and paste) **./adb -d shell pm grant com.franco.doze android.permission.DUMP** and press **Enter** .

Step 4: Next, type **./adb -d shell pm grant com.franco.doze android.permission.WRITE_SECURE_SETTINGS** and press **Enter** .

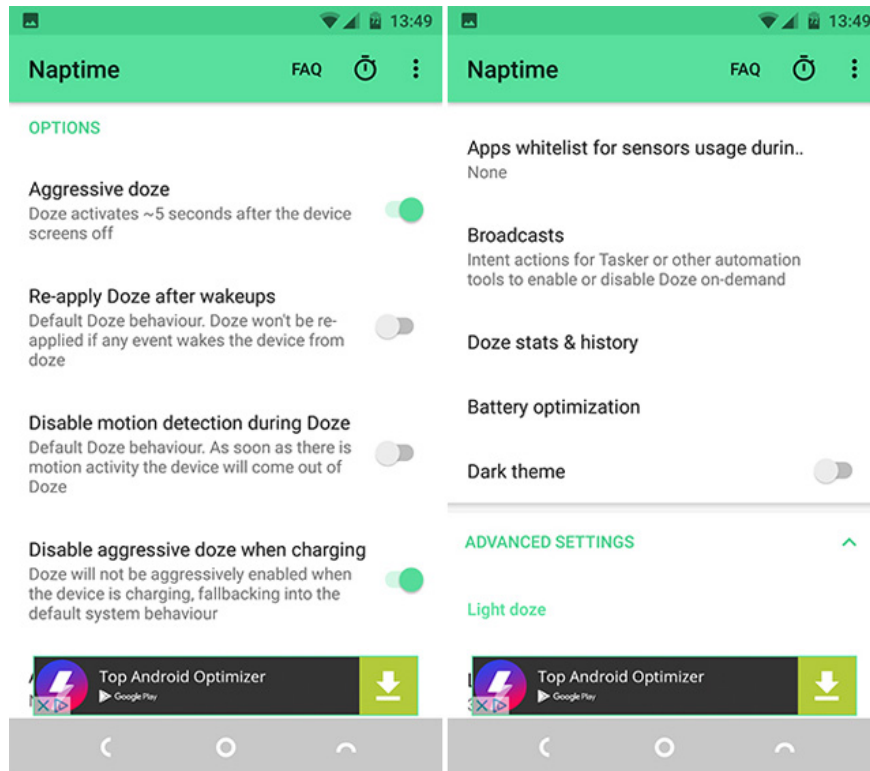
Step 5: Now disconnect the phone and launch Naptime.

Setting up Naptime with the device has been rooted

If there is a rooted Android device, activating Naptime is as simple as running the application and then granting root access when notified. It works well on all Marshmallow phones or newer versions that are rooted or with Android root with **Magisk** .

Configure Naptime to extend battery life

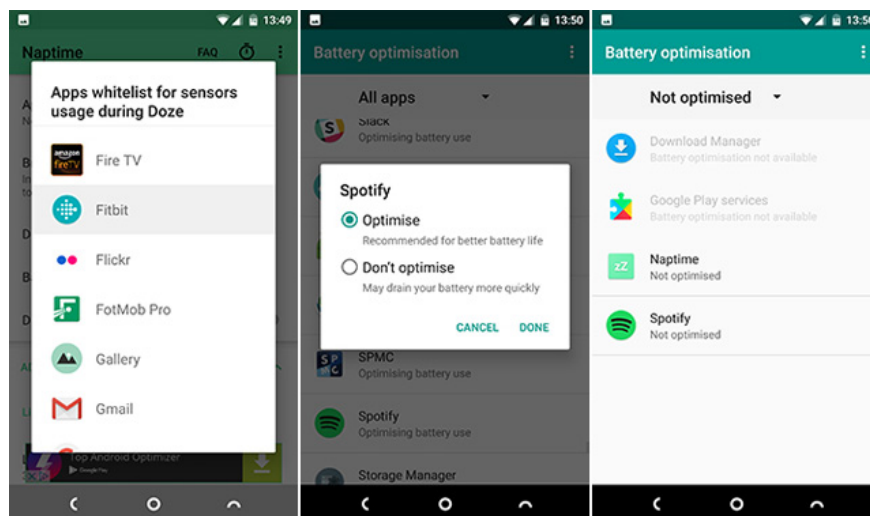
The Naptime interface is divided into two main sections, including the basic Options panel at the top and the Advanced Advanced Settings at the end.



The **Aggressive Doze** settings will activate Doze only five seconds after turning off the screen, instead of the usual 30 minutes. Here are three other options to tweak, these three are in Off mode by default.

1. **Re-apply Doze after wakeups:** Activate this feature to save battery power. By default, it is turned off to avoid interrupting applications running in the background.
2. **Disable motion detection during Doze:** turn off the sensor when the screen is off. This will interrupt the step counter or gesture to perform the action.
3. **Disable aggressive Doze when charging:** Determine whether Naptime will continue to work when the device is charging.

Next, there are two other options as below.



1. **Apps whitelist for sensors usage during Doze** allows you to select an application to continue using your phone's sensor when the Doze is active.
2. **Battery optimization** will bring the equivalent screen in Android Settings. This feature is similar to the white list function. **Not optimized** applications can be Doze through, so any application that wants to run in the background while the screen is off (eg music apps) can be added here. Touch **Not optimized** then select **All apps** . Select the application you want to change, then tap **Don't optimize> Done** .

Discover advanced settings

If you don't want to use the **Aggressive Doze** option, you can disable it and tweak the **Advanced Settings** . These changes are available in Doze settings. Touch the **i** icon next to each application to find advanced settings, but this is only for professional users. For most people, the Aggressive Doze mode is the best.

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