[DOZE] Enable Android DOZE on MIUI ROMS

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By **asusm930**, Senior Member on 20th February 2017, 11:19 AM

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Some MIUI ROM/Custom ROMS do not have doze enabled and this is due to Xiaomi **disabling doze on China STABLE/BETA builds because they don't have to comply to google standards as of now**. There has been some reports that some China based custom MIUI roms do have doze enabled and that is simply **because roms like Xiaomi.eu and others do some mix and matching between the GLOBAL BETA builds and CHINA BETA builds to get best performance out of their roms**. It explains why doze is enabled. I have personally **decompiled the framework-res of both the Xiaomi.EU and MultiROM roms and found that on Xiaomi.EU the value**

Code:

```
bool name="config_enableAutoPowerModes">true</bool>
```

is set true (doze enabled) On MultiROM its the opposite. You guys can go ahead and check on your own. To remind you folks, if you use **Better Battery Stats** (BBS), the **Doze Interactive stat** means the amount of time the device **IS NOT DOZING**. That value in no way shows that doze is working. Instead look for **Doze Idle stat**. **No Doze Idle stat, then no doze**. MultiROM on the other hand bases its roms solely on the **China builds** which explains why their roms don't doze at all.

So how did I enable/fix doze? MIUI has this feature when it lets theme make overlays on certain values of files and apk in their rom. In this case its framework-res.apk. With the help of a template that I got from here http://en.miui.com/thread-387638-1-1.html I edited the files to apply the correct values on framework-res.apk to enable doze. I also tried to edit navbar size using this method but it didnt work 😇 but the doze tweak **DEFINITELY** works. So it pretty much confirms that it only works on certain parts of the code/certain APKs. There is a similar concept on AOSP android called RRO/Overlays. But its much more complicated You'll need to det up an environment and compile apk etc...thats not possible because we dont have source code rofl. It's better to use what I have here.

So how do we apply this tweak? Download this file and put it into **system/media/theme /default** and reboot.
https://drive.google.com/open?id=0B_...TRhQnJVeURubUU

to get doze kicking in faster/faster doze time (instead of the 30 minutes that android sets default) install doze editor and choose the last profile. You can uninstall the app after that because the value sticks/is saved somewhere else.

and of course you'll need to be rooted

👍 **MOST THANKED**

ALL-TIME

2   (quote) I was on the stable multirom and had updated to the ...
gsmyth   2017-Apr-10 8:12

2   ok, i recently discovered the L-speed app. in battery menu i see ...
realista87   2017-Feb-22 2:59

1   (quote) done
asusm930 OP   2017-May-24 8:15

1   (quote) currently testing out the latest global beta rom (not ...
asusm930 OP   2017-Apr-17 4:04

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○ **Silvers91**

Senior Member

🇲🇦 Rabat

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20th February 2017, 01:03 PM | #2

Useful thread! Good job

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○ **longnt2007**

Member

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20th February 2017, 03:18 PM | #3

There is an app to check Doze config flag in framework-res.apk
https://forum.xda-developers.com/and...pport-t3374265

For RMN4 AOSP rom, just decompile framework-res.apk, set config_enableAutoPowerModes from false to true, recompile and install back to system then you will have Doze enabled AOSP rom like me 🙂

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○ **asusm930**

Senior Member   OP

🇧🇳 FROGGSVILE SWAMP

Thanks Meter: 242

20th February 2017, 04:27 PM | #4

Quote:
Originally Posted by longnt2007 ▶

There is an app to check Doze config flag in framework-res.apk

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recompiled apk, the phone wouldn't boot lol.

Can you recommend a better way to decompile and recompile MIUI apks?

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○ **longnt2007**   20th February 2017, 05:29 PM | **#5**

Member

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> Quote:
> Originally Posted by **asusm930** ▶
>
> I tried that and I gave up because every time I replaced the recompiled apk, the phone wouldn't boot lol.
>
> Can you recommend a better way to decompile and recompile MIUI apks?

If you want modify system apk, the first thing you must do is remove signature check in PackageManagerService.smali (compareSignatures func) of services.jar.

Here is the guide but can appy to any rom, just modify compareSignatures func like that guide. To decompile and recompile apk, I'm using apktool 2.1.1 and it's work fine with AOSP rom of RMN4.
https://forum.xda-developers.com/sho....php?t=1698352

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○ **Dovidhalevi**   21st February 2017, 07:48 AM | **#6**

Senior Member

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Seems we have our own doze-like operation. Battery life on this phone is stellar. The app/battery management is highly customizable and effective.

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○ **underlines**   22nd February 2017, 04:30 AM | **#7**

Senior Member

🇨🇭 Bern (Switzerland)

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Thanks.

I can confirm that Epic ROM for MIUI devices have doze enabled.

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do they enable THE SAME your trick? or something else?
i don't even know it I-speed is fully compatible for my globerom (derived from xiaomi.eu)

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◯ linpinpin

22nd February 2017, 11:26 AM | **#9**

Member

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miui have his own doze mode

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◯ asusm930

22nd February 2017, 11:49 AM | **#10**

Senior Member   OP

🇧🇳 FROGGSVILE SWAMP

Thanks Meter: 242

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> Quote:
> Originally Posted by **realista87** ▶
>
> ok, i recently discovered the L-speed app.
> in battery menu i see "doze iptimization"
> - aggressive doze
> - light doze optimization
>
> do they enable THE SAME your trick? or something else?
> i don't even know it I-speed is fully compatible for my globerom (derived from xiaomi.eu)

L speed's Aggressive doze simply forces the device to enter doze whenever screen is off.

A user has has tested the app on a non-doze FLAG enabled MIUI rom (in this case multirom) and it worked for him. The app simply forces doze mode.

The light doze optimization changes around the doze timouts etc to save a bit more battery. A user has tested L-Speed on a rom without doze and it does enable it. My problem with using a separate app is it can get killed (even worse on MIUI because it likes to kill apps) and the feature/app wont work anymore.

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◯ gsmyth

22nd February 2017, 02:07 PM | **#11**

Senior Member

Thanks Meter: 746

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> Quote:
> Originally Posted by **asusm930** ▶
>
> L speed's Aggressive doze simply forces the device to enter doze whenever screen is off.
>
> A user has has tested the app on a non-doze FLAG enabled MIUI rom (in this case multirom) and it worked for him. The app simply forces doze mode.

Great work @asusm930, made the XDA news!
https://twitter.com/xdadevelopers/st...56065596821504

Sent from my Redmi Note 4 using Tapatalk

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devices, from customizing the look and feel to adding new functionality.

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