

## Apple iPhone Battery Life Tweak

Well, if you're reading this document you may be wondering why your battery may not last all that long with the iPhone. Before getting into this document I need to highlight that this is not the ultimate fix, but rather this is what I've found with my iPhone 4 that seemed to have really increased the battery life.

The testing I did with this lasted over several days and with different configurations, but the below steps is what seemed to have fixed it for me.

### About my iPhone

- 1.) Wireless turned off or on battery life would last no more than 4-hours
- 2.) I had Microsoft Exchange (ActiveSync) configured on the phone
- 3.) I had a ton of games on my phone that I played during my travels around the United States

### Symptom

After fully discharging my phone, and then leaving it plugged in overnight and getting a 100% charge my phone would last about 4-6 hours maximum even with ZERO use.

In a nutshell I charged the phone, and then took it off the charger at 8:00 AM, and then let it sit there and would check it periodically and by 2:00 PM that same day the phone had discharged to the point where the phone simply turned off.

### Thoughts

- Maybe it was the games talking in the background?
- Maybe it was my wireless continuing to communicate even when the phone was in sleep mode?
- Maybe it was a signal issue? I ruled that out because I had 5-bars the entire time of my testing?
- Maybe it was the new iOS 4 multi-tasking feature?

### My Testing

- 1.) Turned off wireless – No difference
- 2.) Removed ALL games except those factory installed – No difference
- 3.) Adjusted brightness and sleep timer down to 1-minute to auto-lock – No difference
- 4.) Factory reset phone and only loaded my Exchange account back on – No difference
- 5.) Hard reset device – No difference
- 6.) Turned off 3-G and only used 2-G – No difference "voice quality did improve and experienced less dark zones"

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### My Solution

After all of the above mentioned testing, I focused on my account that was synchronized with Microsoft Exchange and it was rather surprising what I found!

What I learned was that the iPhone would do something called Push and Fetch of email not just on schedule but full time. This sounds rather simple and straight-forward but this really took a large amount of signal, batter life and overall killed the batter life.

### Here is what I did

(Screen shots shown on pages 3-6)

- 1.) On the home screen, click on Settings
- 2.) Scroll down and then click on Mail, Contacts, Calendars
- 3.) Click on Fetch New Data
- 4.) Turn off Push
- 5.) Changed Fetch to every 30 minutes
- 6.) Click on the Advanced button (bottom of screen)
- 7.) Clicked on my Exchange account
- 8.) Changed it from Push to Fetch

With doing the above steps my phone is charged for 2-3 days. Of course the batter life is totally contingent on usage, so the more I use it, the less time it would stay charged. However, with zero usage the phone does stay charged for almost a full three days.

Pages 3 through 6 of this document are screen shots of the configurations step by step.

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On the home screen, click on Settings



Scroll down and then click on Mail, Contacts, Calendars



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Click on Fetch New Data

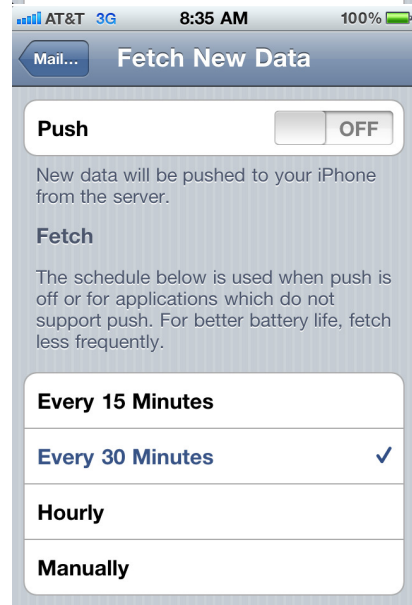


I turned off Push on this screen just by toggling the Push feature to the off position

I then changed my Fetch to 30-minutes

This means the phone will fetch new emails from the server every 30-minutes, or can be done manually at any time as well.

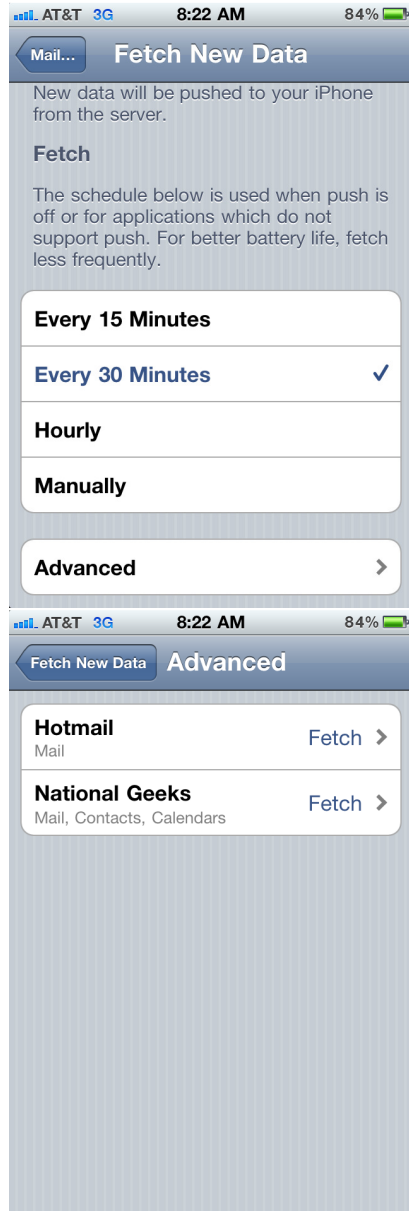
I thought 30-minutes was a short enough time frame, and 15 minutes was a little too much for my liking. Hourly would be a little too much, and I thought people might think I'm ignoring them if I didn't get back to them faster.



I then clicked on the Advanced button

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Then clicked on my Exchange Account which



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Changed it from Push to Fetch.

Push will kill your batter life very quickly, because your contacts, calendar and over emails will almost constantly be synchronized and that is WAY over kill and in the end will kill your batter life so quickly the phone is pretty much pointless.

