

Battery Saving Tips

Android

Newer Android smartphones like Samsung's Galaxy S5 and the HTC One (M8) have software installed to save battery life.

Tips:

1. Dim your phone's screen.
 - Highest brightness setting is probably unnecessary and drains power
 - Can change if go to Settings > Display > Brightness.
2. Shorten the standby time
 - Change the standby time from 1-2mins to 30secs
3. Disable location-based services
 - More and more apps need access to your current location via GPS. Disable when not using by going to Settings > Location and turn the location requests off.
 - When you need to use an app that needs GPS, it will prompt you to turn it on.
4. Autosync, refresh frequency, notifications
 - Instead of letting your apps sync their data automatically, choose to do it manually
 - Either set apps to sync manually or set them to sync less frequently. Change from every 15-30mins to every 2-3hrs.
5. Power saving Mode
 - Most smartphones have this feature built in now.
 - Power saving mode usually limits CPU use, reduces screen brightness, deactivates haptic feedback, disables data network when the screen is asleep, and lowers the brightness level of the browser's background color.
6. Monitor which programs use the most battery
 - Android has built in battery feature. Go to Settings > Battery to check which ones using most battery. Can 'kill' programs if using too much battery.

How to prolong your battery's efficiency:

1. Keep batteries away from hot or warm places, especially while charging or when in use
2. Don't completely drain a Li-ion battery before recharging. Bringing the battery level down to zero before recharging is detrimental to the battery — if done frequently. Li-ion batteries work better when charged even while they still have some power left.
3. Every once in a while, allow the battery to discharge fully before recharging.
 - About every 30 charge cycles.
4. Unplug the device when it is fully charged. Don't leave the device plugged in for a long time after it is fully charged. Doing so can harm the battery.
5. Do not subject your device and its battery to prolonged heavy use (e.g., non-stop intensive gaming for hours)

Some Android Battery Saving Apps:

- Du Battery Saver & Switch Widget
 - Easy to use pre-set modes and one-touch controls.
 - Check battery status, health, temperature and more. Simply hit “optimize” and unused background apps will be shutdown.
- JuiceDefender
 - Runs by itself, improving battery life behind the scenes by intelligently managing the battery-draining components of your phone
 - Has preset modes
- Easy Battery Saver
 - Choose from four power-saving options including General Saving Mode, Super Power Saving Mode, Advanced Customized Mode and Normal Mode
 - customized to your preferences and schedule.
- Battery Defender:
 - Automatically disable WiFi and data connection after you turning off your screen
 - Genius Sync, allow app to sync every 15 minutes but save battery.
 - Quiet sleeping. Disable data network and WiFi connections when you are sleeping. Sleeping time can be adjusted as your prefer.
 - Low Battery Policy. When battery is running out, it will disable data network and WiFi when you are not using your phone.

iPhone

Tips to prolong battery life:

1. Turn on Auto-Brightness
 - Find it in the Settings app -> Brightness & Wallpaper -> Auto-Brightness On
2. Reduce Screen Brightness
 - Find it in Settings -> Brightness & Wallpaper
3. Stop Motion (iOS 7)
 - Background Motion. It's subtle, but if you move your iPhone and watch the app icons and background image, you'll see them move slightly independently of each other, as if they're on different planes.
 - Settings -> General -> Accessibility -> Reduce Motion -> move slider to green/on
4. Disable Dynamic Backgrounds (iOS 7)
 - Dynamic Backgrounds aren't a feature you have to turn on or off, just don't select the Dynamic Backgrounds in the Wallpapers & Backgrounds menu.
5. Turn Bluetooth Off
 - Settings -> Bluetooth -> Move Slider to Off
6. Turn Off 3G/4G
 - Settings -> General -> Cellular -> Slide Enable 3G to Off on some models or Enable LTE to Off on the iPhone 5 or newer

7. Keep Wi-Fi Off
 - Keeping Wi-Fi turned on at all times in hopes that an open hotspot will appear is a sure way to drain your battery life.
8. Turn Off Location Services
 - Settings -> Privacy -> Location Services -> Slide to Off
9. Prevent Background App Refresh (iOS 7)
 - This feature looks at the apps you use most often, the time of day that you use them, and then automatically updates them for you so that the next time you open the app, the latest information is waiting for you.
 - Settings -> General -> Background App Refresh -> Either disable the feature entirely or for specific apps
10. Don't Automatically Update Apps
 - Settings -> iTunes & App Store -> Updates -> move slider to off/white
11. Turn Data Push Off
 - The iPhone can be set to automatically suck email and other data down to it or, for some kinds of accounts, have data pushed out to it whenever new data becomes available.
 - With push off, you'll need to set your email to check periodically or do it manually
 - Settings -> Mail, Contacts, Calendar -> Fetch New Data -> Slide to Off
12. Fetch Email Less Often
 - The less often your phone accesses a network, the less battery it uses. Save battery life by setting your phone to check your email accounts less often
 - Settings -> Mail, Contacts, Calendar -> Fetch New Data -> Select Your Preference
13. Auto-Lock Sooner
 - You can set your iPhone to automatically go to sleep – a feature known as Auto-Lock - after a certain amount of time. The sooner it sleeps, the less power is used to run the screen or other services. Try setting Auto-Lock to 1 or 2 minutes.
 - Settings -> General -> Auto-Lock -> Tap your Preference
14. Regularly close unused or dormant apps
 - In an unlocked state, double-press the Home button on your iPhone, and swipe up on any open app to close it. You can then return to your device by pressing the Home button again, or tapping the very first "card."
15. Disable AirDrop when you're not using it
 - Swipe up from any screen to bring up the Control Center, then tap AirDrop and select Off