



APX Portable Radio Battery Care

Your Motorola APX portable radio is a critical lifeline, especially in tough environments and high-pressure situations. To keep your radio running smoothly, it's important to prioritize battery care.

Your radio's battery is rugged—but a little TLC never hurts. Treating the batteries with care will ensure longevity and quality. Keep it separate from other metal objects, like keys or coins, to prevent any accidental damage.

Batteries should not be stored in vehicles, especially during extreme hot or cold weather. Lithium-ion batteries are sensitive to temperature extremes. Prolonged exposure to high heat can cause battery degradation or even failure. Similarly, cold temperatures can significantly reduce battery performance and shorten their overall lifespan.

A little cleaning goes a long way. Give your battery a quick wipe-down with a microfiber or lint-free cloth periodically. This keeps the connections free of any dirt or dust that could make charging less efficient.

Just as you shouldn't leave your phone charging all the time, you should cycle your two batteries. Let the battery charge as needed.

Your charger may flash different colors of green, orange, or red. This may mean your battery is just completing its charge time like normal but other LED flashes may be a warning to the state of your battery.

- **FLASHING GREEN:** The battery has completed rapid charge (>90%) and is now in top off charge.
- **FLASHING ORANGE:** The charger has recognized the battery but is waiting to charge. Battery voltage could be too low or temperature could be too low or too high to allow for charging. When corrected, the battery will start charging.
- **FLASHING RED:** The battery is unchargeable or not making proper contact with the charger.
- **FLASHING RED/GREEN:** The battery is fully charged and continues to be usable but may be nearing end of service life. Start looking for replacement batteries if you do not have one already.
- **FLASHING AMBER (YELLOW)/GREEN:** The battery is in recalibration mode. As soon as possible, enable calibration and calibrate the battery. You can force calibration by removing and reinserting the battery within a few seconds. Wait until a solid green light is indicated to know calibration is complete.

You can either manually or automatically recondition the batteries.

- Your charger will automatically re-calibrate / recondition IMPRES batteries periodically and you should not bypass the recalibration / reconditioning process unless absolutely necessary.
- Vehicular Chargers CANNOT re-calibrate / recondition IMPRES batteries, only IMPRES desktop chargers can perform re-calibration / reconditioning.
- **To manually start the reconditioning process**, insert your battery into the charger, and within the first 2.5 minutes, remove and reinsert the battery within 5 seconds. This will manually start the reconditioning process. The charger should change from a **STEADY RED** to a **STEADY ORANGE**.
 - Manually reconditioning batteries would be beneficial when you have batteries that have been in storage for several months. Otherwise, the charger is going to determine when the reconditioning process should start.
- **To automatically start the reconditioning process**, there is no need to do anything. IMPRES chargers are designed to know when it's time to start the reconditioning process. When it needs to be reconditioned, the charger will show a **STEADY ORANGE**. When it is done reconditioning the battery, the charger will start recharging your battery.
- **To stop the reconditioning process**, remove and reinsert the battery within 5 seconds. This will end the recondition process and start charging. It should now show a **STEADY RED** light. You should not bypass the reconditioning process unless absolutely necessary.