



CHARGING AND MAINTENANCE

APX 6000XE
Model 2.5



BRICS

Motorola Impress® Smart Charger



Recharge after each shift.

This “smart” charger will:

- Monitor usage patterns
- Store that information in the battery
- Recondition the battery when needed
- Not overheat regardless of how long it’s left in

Do not put your Impress battery in a conventional charger intended for another radio.

Charger Lights



Charge Indicator

Description

Steady Red

Battery is in rapid charge mode.

Blinking Green

Battery has completed rapid charge (>90% available capacity).
Battery is in Top-Off charge (Trickle Charge) and requires approximately 1 hour.

Steady Green

Battery has completed charging and is fully charged.

Blinking Orange

Battery is recognized by charger but is waiting to charge.
(Either the battery voltage is too low or the battery temperature is too low or too high to allow charging. When this condition is corrected, the battery will begin charging).

Blinking Red

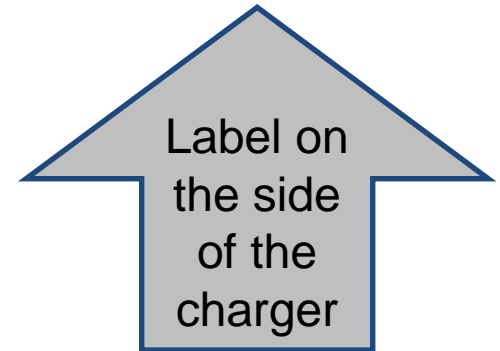
Battery is un-chargeable or not making proper contact. Reseat the battery in the charger.

Steady Orange

Battery is in recondition mode. The length of time the charger remains in this mode is dependent upon the state of charge remaining in the battery when inserted. (Fully charged batteries require more time to recondition—8 hours or more—than fully discharged batteries.)

Flashes Red & Green

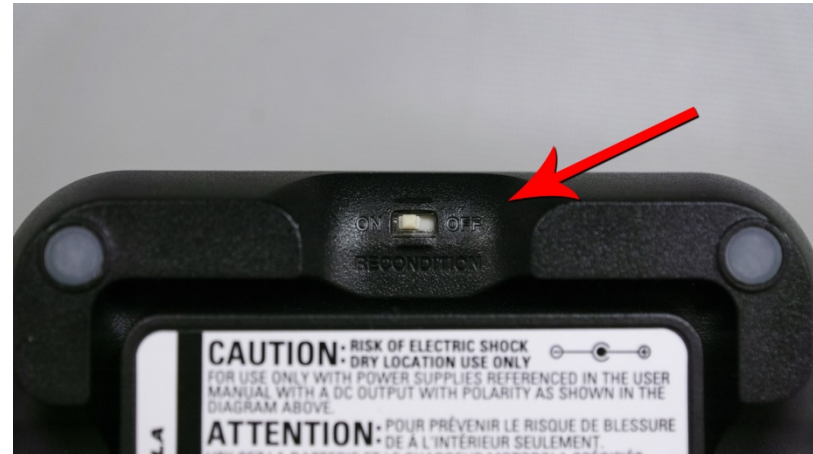
Battery may be approaching the end of its rated service life. This is not a fault indication merely a notification to the user that the battery may soon no longer be able to yield expected service and **may** need to be replaced. If you can still make it through your shift without a “low battery” chirp, it is fine.



Reconditioning

A solid orange LED on the charger means the battery is being reconditioned. This process will happen automatically each month if the switch on the bottom of the radio is set to “recondition on”.

Leave this switch set to on!



IMPORTANT:

A **GREEN** and **ORANGE** alternate flashing pattern on the new APX desktop charger LED means that the battery is overdue to be reconditioned. **PLEASE NOTE** the battery will not be able to accept 100% charge until it goes through the full recondition cycle. Reconditioning keeps the battery fresh by discharging and then recharging it and the process should begin automatically approximately once a month. During reconditioning the charger will display an orange LED while it discharges the battery followed by a red LED while it charges the battery.

If you see the flashing orange and green LED, here is how to manually start the reconditioning cycle:

Make sure the dip switch on the bottom of the charger is set to “Recondition ON.”

Within 2 minutes of placing the radio on the charger (with a steady red LED status), remove and reinsert the radio within 5 seconds to manually force reconditioning to occur. The charger LED will change from steady red LED to steady orange.

Allow the battery to go through the full recondition cycle (this may take 4-6 hours).

If you do not allow the battery to recondition automatically, the charger will continue to display the green and orange flashing LED until the battery goes through a full recondition cycle



Radio System Help

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Numerous “how-to” guides and informational resources are available on topics like conventional frequencies, scanning, talkgroup names, radio aliases, how to talk to adjacent counties and much more.

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Radio Problems

If your radio is not working or broken, bring it to us!



<http://brics.butlersheriff.org/>

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