

BATTERY CHARGING

GOVERNMENT WIRELESS NETWORK (GWN)



Queensland

For the GWN radios to function properly, they require a battery. If you need to remove or replace the battery, please follow these steps to ensure correct removal and reattachment:

To Remove:

STEP ONE: Ensure that the radio is first turned off.

STEP TWO: Place your fingers on the 2 side latches toward the bottom of the battery.

STEP THREE: Press in firmly and pull down.

To Reattach:

STEP ONE: Carefully slide a charged battery into the radio frame.

STEP TWO: Press in the battery, until both battery latches click into place.

STEP THREE: Turn on the radio when ready to use.

IMPRES BATTERY CHARGERS

The IMPRES charger LED displays the battery status of each radio. It is advisable to place the radio on charge at the end of each patrol to ensure it is fully operational for fellow members.



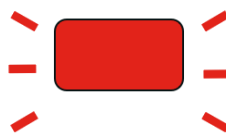
Solid green – fully charged



Flashing green – nearly charged, can be removed



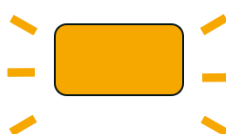
Red – rapid charge in progress



Flashing red – battery fault/not recognised



Yellow – reconditioning



Flashing yellow – battery too hot/cold to charge

BATTERY STATUS

Battery charge status is shown by a display symbol at the top right of the radio's display screen. Battery life is affected by the amount of radio use, so frequent transmissions may reduce battery life.

Normal battery charging can occur at any time, meaning that *topping up* a battery has no detrimental effect on the battery; so there is no reason to wait until a battery is fully discharged before recharging.

A low battery tone will indicate when a battery's charge is less than 10%.

A radio with less than 10% battery is considered operationally unreliable.

NOTE: If a battery is not reconditioned within 28 days, the battery's charge status and battery information in the **Batt** menu option will not display. However, it will reappear after the battery has been through a normal charge cycle. This information does not affect the capacity of the battery or preclude it from use.

BATTERY MANAGEMENT

Batteries are not required to be reconditioned on a specific regime; however, the IMPRES charger will automatically recondition batteries periodically.

The IMPRES charger LED will indicate when this is required and will automatically commence an 8 hour (approximately) reconditioning cycle when the battery is inserted. If time permits, this cycle should be allowed to continue. However, it may be cancelled by removing and immediately replacing the battery into the same charging slot which will then resume a normal charge.

Batteries stored for long periods may experience a minor loss of charge and should be periodically put through a charging cycle to ensure optimal performance when required.

BATTERY TIPS

Battery life capacity will decrease naturally over time, but the following tips will help to maintain battery life until replacement is required:

- **ALWAYS** *place or charge* a new battery in a desktop IMPRES charger (not in an in-vehicle charger) and let it complete the cycle before removing (solid green LED).
- A low battery sound of 2 short, high-pitched tones will indicate when a battery's charge is less than 10%.
- Recharge the battery at any time.
- Store batteries at a 30%-50% charge capacity when not in use for at least 3 months.
- If practical, cycle the battery through an IMPRES charger monthly.
- Replace batteries when their capacity rating is less than 70% at the end of a charging cycle.

