



## Important Information about your ECO2 Batteries

### General Battery Statistics

- **Battery Type:** Lithium Ion
- **Battery Information:** 2 batteries present in the ECO2. An Internal Battery that is never removed from the case and a Removable Battery that is hot-swappable.
- **Daily Battery Life:** up to 8 hours with standard backlight settings and continuous use. It depends entirely upon how much you are using your device. If you are talking, listening to MP3s, playing a DVD and using a computer all at the same, or nearly the same time, your batteries will not last as long as they will if you are mostly doing just one thing on your device for most of the day. You may find that you use your device so heavily that you only get 2-4 hours out of a single charge.
- **Charging Time:** 9-10 hours to completely charge a device from a dead battery to a fully-charged battery.
- **Battery Life Span:** approximately 18 to 24 months (consistent with industry guidelines of 24 months as the average lifespan for Lithium Ion batteries). Dependant on charge cycles, lack of charges, and the number of charges, hence it's impossible to predict accurately.

### Charging

- **Charger:** two-part charger consisting of a kettle lead and a power-supply unit.
- **Battery Status:** within the Maintenance Menu is the Battery Menu that displays the amount of charge of each battery. The Removable Battery Door (found on the right-side of the device) has a window that displays bars indicating its level of charge.
- **Low Battery Warning:** a two-toned running beep is emitted from the device. The device will not allow you to do any programming/storing. The warning sounds at intervals until the batteries are dead. When the batteries are dead, the device powers down completely and cannot be used.

 <p><b>BATTERY CHARGING</b></p>	<p>When you plug in the charger, the "Charging" light flashes. A rapid flash indicates fast-charging; a slow flash indicates that the battery is charged but it will continue to trickle-charge as long as the charger is plugged in.</p>
 <p><b>BATTERY LOW</b></p>	<p>When this light flashes, the batteries need to be charged. Plug in the charger.</p>

**IMPORTANT!! Forcing the charger tip in too far will damage your charger socket!**

- **Charging Tips:**

- i. Always use the battery charger that came with your device. Any other charger may damage your batteries.
- ii. Always ensure that the two parts of the charger are securely plugged in together.
- iii. Allow 9-10hours to completely charge a device from flat to fully-charged.
- iv. **Aim to charge your device (with both batteries present) at least once a day, even if you have a spare removable battery.**

## Hot Swappable Battery

- **Details:** this is a spare removable battery that may be purchased with a spare battery charger. This allows you to replace your removable battery with a fully charged 'spare', if you find that you are using your device to the extent that you can't keep your removable battery charged long enough for your use.



- **Removing and replacing the Battery**

- i. To open the battery door (found on the right side of the case), press down on door with both thumbs and slide the door off the end of the case.
- ii. Pull on the battery tab that is attached to the end of the battery. The battery will slide out of the case. **IMPORTANT!** A yellow message box will appear on your display screen telling you that the battery door is off the case. The Battery Graph in the Status Display Area will show all red lines.
- iii. Slide the replacement battery in so the pull-tab on one end is visible when the battery is in place.
- iv. Replace the battery door by lining it up on the case.
- v. Place your thumb on the end of the door nearest the edge of the case and push the door into its slots. You may need to use the edge of the case for leverage. The door should fit tightly.



- **Hot Swappable Battery usage Tips**

- i. Ideally, you should aim to swap your battery only once a day.
- ii. If you fail to replace the removable battery door, the removable battery will not work. The device will solely be powered by the internal battery which will give you much less battery life than when both batteries are working
- iii. Aim to charge your device **with both batteries in**, at least once a day. Failure to charge your device, and continually using just the removable battery means:
  - a. Your device will only be running on half of its charge capacity as the internal battery will be completely flat at all times.
  - b. The life-span of the internal battery will be halved as a result of a lack of charge.
  - c. The life-span of the removable battery will be halved as it is being expected to solely carry the charging load.
  - d. You will eventually have to purchase replacement batteries as Liberator will not cover premature battery failure.