



4) With the green LED lit for at least five seconds, you can load a discharged cell/s into the cell holder. The positive end of the cell should be pointing away from you if you are looking down at the machine. If you are unsure of which way to load a cell, look at the wires coming to the contact points on the cell holders (closest to you will have a black band or grommet and furthest from you will be red or positive).

**When Xapping a cell which is still in pack form**, make sure that your pack is discharged and your cells are **clean and free from flux and dirt - this is very important**. A wire brush works well for cleaning the ends of the cell. You should start with the cell that is your positive battery connection (to the speed control) or mark your starting cell so that you know which cell you started with. Lay your pack between the cell holder contacts and make sure that the contacts are seated on your cell or attached battery bar. **Be absolutely sure that the cell is seated properly in the cell holder and the contacts are flat against the cell - This is very important**. This is especially important for used cells. Used cells must be ground flat at their contact points so that a good contact is made. **A poor contact may result in sparks** – an important reason to use safety glasses.

5) When you are sure that the cell is seated properly within the cell holder, **press the Xapp push button for 2 seconds** (do not hold the button for longer than two seconds - damage to your unit may result). **The red warning LED should flash momentarily (you may need to darken the room to see this)**. **This is normal** and indicates that your system is working properly. When you release the button the green LED should light within 10 seconds - you are now ready to repeat the process.

**\*\*Note: the red warning LED will light when voltage is sensed at the copper Xapping contacts. This is a normal function and indicates a properly working unit. A bright light will indicate a high voltage; a faint light will indicate slight voltage. It is possible that when you are Xapping more than one cell, the red LED will light when the copper contacts are touching the cells – this is o.k. It will be dependant on the state of discharge of the cells you are Xapping.**

**\*\*\*Always be aware of the red LED and never load cell/s in the cell holder if it is lit brightly!**

**TESTING your cells for matching.** For the best results possible, we suggest using a stabilization period of 72 hours after Xapping. This means that you should wait 3 days before testing your cells for a "match print" of a cell label. Please keep in mind that because all cells are not created equal; each cell may react differently to the Xapper 3000 process.

**Storing the Xapper 3000.** When you are processing your last cell, hold the push button for two seconds to Xapp the cell and without releasing it, turn the on/off switch to the off position.

In almost all instances only one "Xapp" processing is all you need to achieve the results that you are looking for. An increase in voltage should result from the processing and packs should be rematched to take full advantage of your cells' new found voltage and lowered internal resistance. Testing has shown that this process can last through 20 or more discharge cycles depending on the type of racing that you are doing. Our testing has shown that most racing, especially where heat is a major factor is abusive to your racing cells. High amperage discharge conditions may require re-processing of your cells more frequently.

Packs that are "Xapp" processed should be charged at your normal charge rate. You should let your pack "stabilize" for a minimum of one hour before you place it on charge. The pack should have increased average discharge voltage and lowered internal resistance. If you have concerns about run-time, try charging at a lower amperage.

The Xapper 3000 is warranted to be free from defects at the time of delivery. All warranties are void if the case of the unit has been opened or tampered with in any way. This product is for the end-user only.

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