

RC5100 Real Time 2™ Battery Discharger/Conditioner

The Trinity Real Time 2™ Battery Discharger/Conditioner utilizes an all new design that uses separate circuitry for each cell. This allows each of the cells to be discharged all the way down with no chance of cell reversal. Each cell has its own light circuit to ensure proper contact. The bi-polar design lets you connect your battery pack to the Real Time 2™ in whatever direction is most convenient for you. (It is no longer necessary to line up positive to positive and negative to negative when connecting your battery.) The fan that is built-in to keep your cells and discharger cool is independently wired with leads that can be connected to either the battery you are discharging or to an external battery pack or power supply. Since a fan will keep a constant drain on a battery (the same way dead shorting does) if left connected, you are now given the option of disconnecting the fan when the discharge process is complete (when the lights go out). This is essential for Nickel Metal Hydride batteries since they do not like to be dead shorted.

IMPORTANT INFORMATION FOR NICKEL METAL HYDRIDE (Ni-MH) BATTERIES!

Since it is best to store Ni-MH cells with some voltage in them, (approx. 40% charged) we do not recommend using the Real Time 2™ immediately after your race, but instead just before your next charge. Since it is critical for optimum performance that Ni-MH cells are discharged before they are recharged again, we highly recommend always using the Real Time 2™ before charging all your Ni-MH batteries. It is very important that you allow Ni-MH cells to cool before you begin charging them.

Directions:

- 1- Simply place your "side x side" or "saddle pack" battery in the Real Time 2™ and screw in each of the contact pins until contact is made with each of the cells (the corresponding light will come on when a proper connection has been made).
- 2- You may connect the fan leads to the battery pack you are currently discharging in the Real Time 2™ (but you must remember to disconnect the fan when the lights go out, *this is especially important with Ni-MHs*), or you may simply connect the fan to an external battery pack or power supply.
- 3- When the lights go out, the discharge process is complete and you may remove your battery pack from the Real Time 2™. *Please note: It is safe to leave your battery on the Real Time 2™ even after the lights go out.*
- 4- Remember to disconnect the fan if you have it connected to an external power source.