



## Battery Doctor™ 8.0 Discharge Tray

### User's Manual

Congratulations on your purchase of Tekin's *Battery Doctor™ 8.0 Discharge Tray*. The Battery Doctor™ is simply the most advanced discharge tray ever made. First, Tekin's exclusive Non-Polarized Designed Configuration allows the user to place the batteries in the Battery Doctor™ in any direction. Second, the Battery Doctor™ has the versatility to accommodate a single cell all the way up to 8 cells—you can even place two separate 4-battery packs side-by-side and discharge them simultaneously and independently! Third, by discharging each battery in a pack individually down to 0.5 volts, the Battery Doctor™ keeps them in top condition *without the danger of cell reversal*. Finally, when discharging you *absolutely must know that all the batteries in a pack have a good connection*, or they will not all discharge. With the Battery Doctor™ you *really know* that all the batteries are connected and discharging—try pulling back a connector and see what happens.

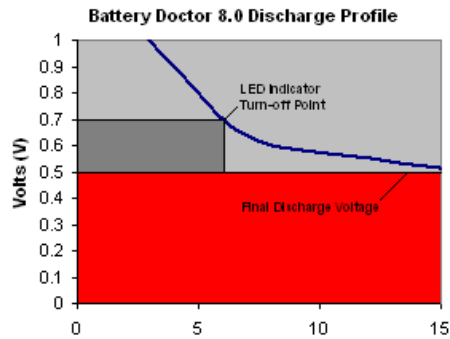
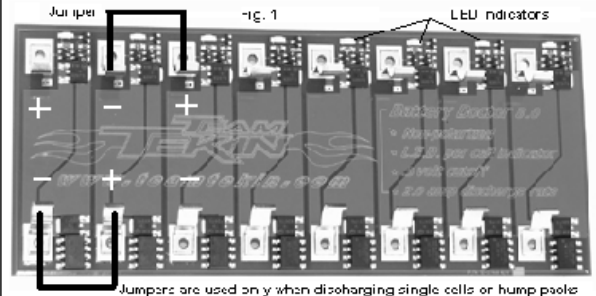


Fig. 2

#### Instructions:

1. Place batteries between the metal clips and press down gently.
2. LED indicators for each cell will light when each battery is properly connected. **\*Note:** In order for any of the LED indicators to light, a minimum of 3 batteries connected in series must be inserted. Inserting a single battery will still discharge that battery, however, none of the LED indicators will function. If you are discharging multiple single cells and you want to use the LED indicators to monitor each cell's discharge status, you can place jumpers as shown in Fig. 1 to connect the batteries in series. Note that the polarity of these 3 batteries must match the polarity as shown in Fig. 1 before connecting the jumpers. A jumper can be constructed from a short piece of wire with an alligator clip on each end.
3. When a battery is discharged down to 0.7 volts the LED indicator (s) will turn off. If left in the discharge tray the battery will continue to be discharged down to 0.5 volts (Fig. 2).
4. Any combination and configuration of batteries and packs may be placed in the battery doctor. To discharge a hump pack simply connect a jumper from each end of the hump battery to unused clips in an unused cell position.

#### Suggestions:

1. To equalize a complete battery pack, leave the pack on the tray until all LED indicators are off.
2. If the battery pack is in the tray but no LED indicator is on then either:
  - a. Single cells are being discharged with no jumpers in place (see note in instruction 2 above).
  - b. Bad connection (s) exist between metal clips and battery terminals. Check that all connections are clean and tight.
  - c. One or more batteries is already discharged to 0.7 volts or less.

#### Specifications

Battery Types: Sub-C NiMH and NiCd

Discharge Current: 2.0 Amps

Capacity: 1-8 Cells

Cutoff Voltage: 0.5 Volts

Dim: 7¼ x 3¼ x 1¼ In. (18.4x8.25x3.17 mm)

Weight: 3 oz (85 g)

TEKIN, INC. guarantees all products to be free from factory defects in materials and workmanship for a period of 120 days from date of purchase, when verified by sales receipt. This warranty does not cover: suitability for specific application, components worn by use, application of reverse or improper voltage (fuse provides protection in most cases), tampering, misuse, or shipping. Our warranty liability shall be limited to repairing unit to our original specifications. Because we have no control over the installation or use of this product, in no case shall we be liable for damages.

Additionally, these items void the warranty:

1. Using any other type of battery not made for this tray.
2. Allowing water or moisture into the tray.
3. Use inconsistent with the instructions.

Please obtain the most current product service options & pricing by the following:  
WEB SITE: ([www.teamtekin.com](http://www.teamtekin.com)) Follow the instructions from the Service Request section of our website.

PHONE/FAX/E-MAIL: Contact our customer service dept. by phone or e-mail as listed.  
WARRANTY SERVICE: For warranty work, you MUST CLAIM WARRANTY on PRODUCT SERVICE FORM & include a valid cash register receipt with purchase date and dealer name & phone number on it, or an invoice from previous service.

If warranty provisions have been voided, there will be service charges.  
NOTE: Hobby dealers or distributors are not authorized to replace TEKIN products thought to be defective.

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