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Paraboard - Parallel Charging Board for Lipos with EC3 and EC5 Connectors

CAUTION: Failure to follow these instructions may cause serious damage and result in extreme hazard and bodily harm.

1) Connect the balance lead from the Paraboard to the 6S (6 cell) balance port on your charger.

2) Connect the 4mm banana plugs on the Paraboard to the charger's output ports: red to the positive output, black to the negative output.

CAUTION: Always connect the Paraboard to your charger before plugging any batteries into the Paraboard.

If batteries are connected to the paraboard while the banana plug leads are not plugged into your charger, there will be a serious risk of a short circuit and possible fire.

3) Connect the discharge leads of your battery to the Paraboard, then connect the balance plug from your battery to the Paraboard. You can use the balance port on the Paraboard either to the left or the right of the discharge connector your battery is plugged into.

CAUTION: Always connect the battery's discharge leads before the balance leads.

The balance plug's wires were not designed to handle large current flow and should never be inserted into the Paraboard first. The battery and Paraboard can be damaged by large current flow between the batteries through the balance plug.

4) Battery packs must be of the same cell count (only charge 2S with 2S, 3S with 3S, etc.) and battery voltages must be within 0.1V per cell (0.1V for 1S, 0.2V for 2S, etc.) of all other batteries connected to the Paraboard at the same time. Use a Cell Spy or similar voltage tester to check the voltage of each cell before connecting to the Paraboard.

CAUTION: Connecting batteries of different cell counts or with voltage differences greater than 0.1V per cell can result in damage to batteries and Paraboard and can even result in fire.

5) When charging in parallel, the voltage of the packs remains the same, but the capacity will increase for each pack connected in Parallel. For example, if you connect three 7.4V (2S) 5000mAh batteries to the Paraboard, your charger will recognize it as a single 7.4V (2S) 15000mAh battery. Be sure to set your charger's voltage and charge amperage accordingly.

6) Maximum charge rate when using this Paraboard is **30 Amps**.

CAUTION: Expansion ports for connecting multiple Paraboards together in parallel should be used by **advanced users only**. If you do not have significant experience and knowledge of Lipo batteries, these expansion ports should not be used. If your board has these expansion ports, be sure to always check the polarity of the ports before plugging in another board (the polarity is marked on the back of the board). Make sure to complete all the connections with the balance and discharge leads.
DO NOT plug any batteries in until all your boards are plugged in to each other and the charger.