

## Preparing the adapter

If you intend to charge at rates between 5A and 10A, or  
If you intend to charge a 2s to 4s pack with only one node connector,

Then you must solder a connector mating to the pack's discharge connector to the unterminated 16awg red and black wires extending from the adapter (see diagram on previous page).

**Warning:** Observe correct polarity when attaching this connector! Failure to do so will cause serious damage to the charger and/or pack.

## Charging a pack

**Note:** Always connect the pack to the adapter before connecting the adapter to the charger. Otherwise, the charger may issue an error.

1. If the pack has one node connector, plug it into the adapter's Node Connector 1.  
or  
If the pack has two node connectors, plug them into the adapter's Node Connectors 1 and 2.
2. If the adapter has been configured for high current charging or if the pack has only one Node Connector (see "Preparing the adapter," above), plug the pack's discharge connector into the mating connector on the adapter.

**Warning:** Do not plug more than one pack at a time into the adapter.

3. Plug the adapter into the FMA BalancePro 6s charger.
4. Apply power to the charger. The charger should indicate normal charging is in progress.

**Note:** If the charger initially displays an error, keep the pack connected and cycle power to the charger.

5. When charging is complete, disconnect the pack.

## Troubleshooting

Problem	Resolution
Charger displays error code	Consult charger's error code list, correct problem, and try again. You may need to cycle charger power.

## FMA limited warranty for charging adapters

FMA, Inc. warrants this product to be free of manufacturing defects for the term of 90 days from the date of purchase. Should any defects covered by this warranty occur, the product shall be repaired or replaced with a unit of equal performance by FMA or an authorized FMA service station.

### Limits and exclusions

This warranty may be enforced only by the original purchaser, who uses this product in its original condition as purchased, in strict accordance with the product's instructions. Units returned for warranty service to an FMA service center will be accepted for service when shipped postpaid, with a copy of the original sales receipt or warranty registration form, to the service station designated by FMA.

This warranty does not apply to:

- Consequential or incidental losses resulting from the use of this product.
- Damage resulting from accident, misuse, abuse, neglect, electrical surges, reversed polarity on connectors, lightning or other acts of God.
- Damage from failure to follow instructions supplied with the product.
- Damage occurring during shipment of the product either to the customer or from the customer for service (claims must be presented to the carrier).
- Damage resulting from repair, adjustment, or any alteration of the product by anyone other than an authorized FMA technician.
- Installation or removal charges, or damage caused by improper installation or removal.

Call (301) 668-7614 for more information about service and warranty repairs.



## LiPo Charger Adapter

Model SV-CP8, for charging up to 6s  
Cellpro Revolution LiPo packs with the FMA  
BalancePro 6s cell-balancing LiPo charger

## About the adapter

FMA's LiPo Charger Adapters attach node-connector-equipped LiPo packs to FMA's cell-balancing chargers. Via a wire attached to each cell in a pack, a node connector enables the charger to monitor cells individually to prevent overcharging and to perform cell balancing.

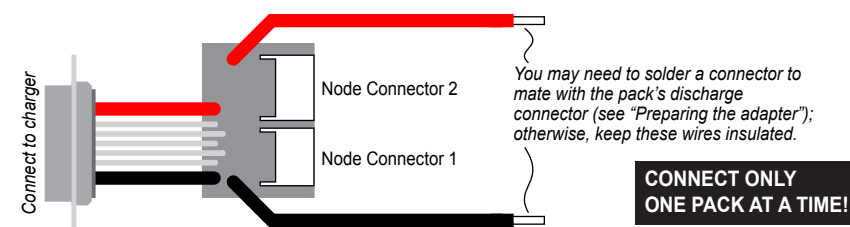
Use Model SV-CP8 to charge Cellpro Revolution 2s to 6s packs using the BalancePro charger. The adapter is especially useful for charging high capacity 5s and 6s Cellpro Revolution packs, which have two node connectors. Although charge current through a pack's node connector(s) is limited to 5A, adding a connector can increase charge current up to 10A.

Combine the SV-CP8 with other FMA charger adapters to charge a wide variety of LiPo pack configurations and brands with the BalancePro 6s charger.

## Precautions

- Most good quality LiPo packs rated at 12C or higher can be safely fast-charged with FMA cell balancing chargers at rates up to 3C. Packs rated at less than 12C, and packs with an unknown C rating, should be charged at 1C. Charging a pack at a rate for which it was not designed could severely shorten pack life. Charging at greater than 1C is permitted *only when the pack is rated for the higher charge rate*. FMA, Inc. accepts no liability for damages resulting from charging a Lithium battery at a rate higher than that specified for the battery.
- Do not plug more than one pack at a time into the adapter. Connecting two or more packs at the same time will damage the packs and may result in fire.
- Follow all safety precautions provided with your packs and chargers.

## Adapter layout



**WARNING!** Good quality high rate ( $\geq 12C$ ) LiPo packs can be safely charged with FMA cell balancing chargers at up to 3C. For packs rated  $< 12C$ , or if C rating is unknown, charge at 1C. Use this product only with the FMA BalancePro HD 6s Charger. Use this product only to charge lithium polymer batteries. FMA, Inc. will not be liable for damages that result from improper use of this product. **Lithium polymer batteries may ignite under certain conditions. Read all safety precautions completely before using lithium polymer batteries with this product!**

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Sales: (800) 343-2934 • Technical: (301) 668-4280 • [www.fmadirect.com](http://www.fmadirect.com)

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Direct

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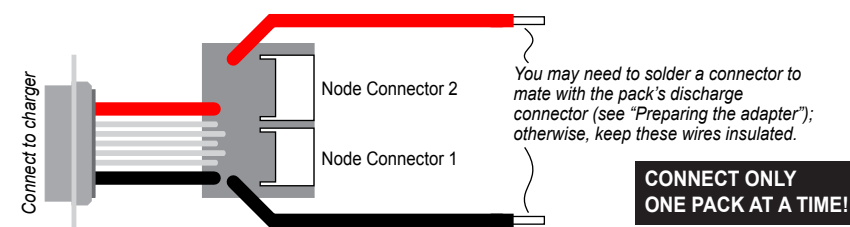
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