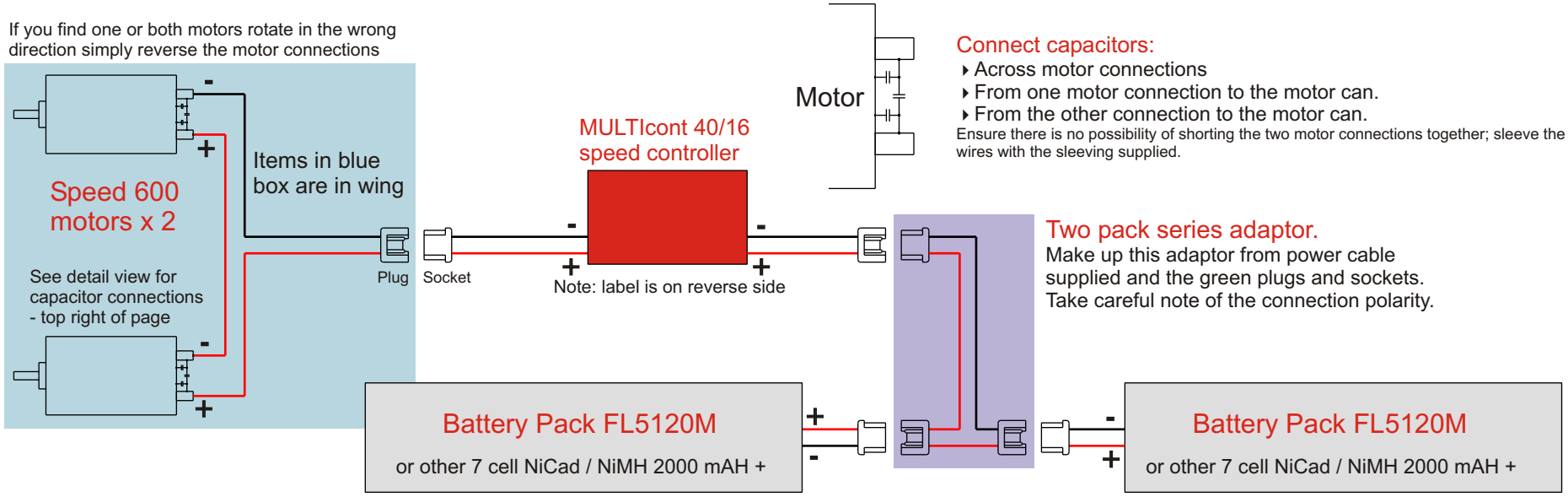
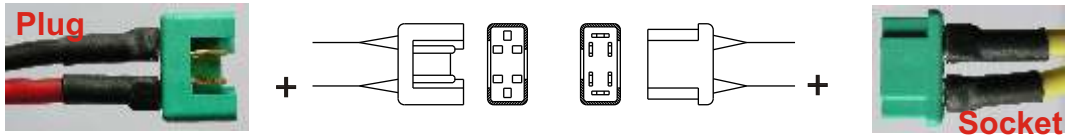
Power Circuit for Flair Beaufighter and ME110 models





Multiplex HC connectors.

These 6 pin connectors are used for high current connection in many models and are to be found on Multiplex speed controllers, batteries and other components.
Note that the top three pins are all connected together and similarly the bottom three.
You can use any other suitable connection systems but be careful to note the connection polarity and always ensure that you are using plugs / sockets that can only be connected the correct way round.

The Flair Beaufighter and ME110 are designed to work with 2 x 7 cell battery packs wired in series. This convention gives a good flight time of about 6 - 7 minutes and limits the maximum current in the circuit to approx. 20A whilst maintaining good power delivery from both of the motors, each seeing approx. 8 volts. We have found that the models fly with impressive speed but have a shallow glide and safe landing speed.
The batteries are positioned in the aircraft such that no CG trimming should be needed. The above diagrams show exactly how the connections should be made but do be careful to copy this exactly. Double check polarity before connecting up.

List of parts supplied:

1 x Multiplex 40 amp / 16 cell speed controller
2 x 600 size motors
2 x propellers, (8 x 4 for ME110, 9 x 5 for Beaufighter)
2 x prop adaptors, Flair collet type.
6 x capacitors
300 mm heat shrink sleeving
1.2 m Red power cable
1.2 m Black power cable
3 x Multiplex HC Plugs
1 x Multiplex HC Sockets
(extra sockets can be ordered if your batteries are fitted with a different connector type)
Recommended battery packs, (not supplied), 2 x Flair FL5120M, fitted with Multiplex HC connector

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