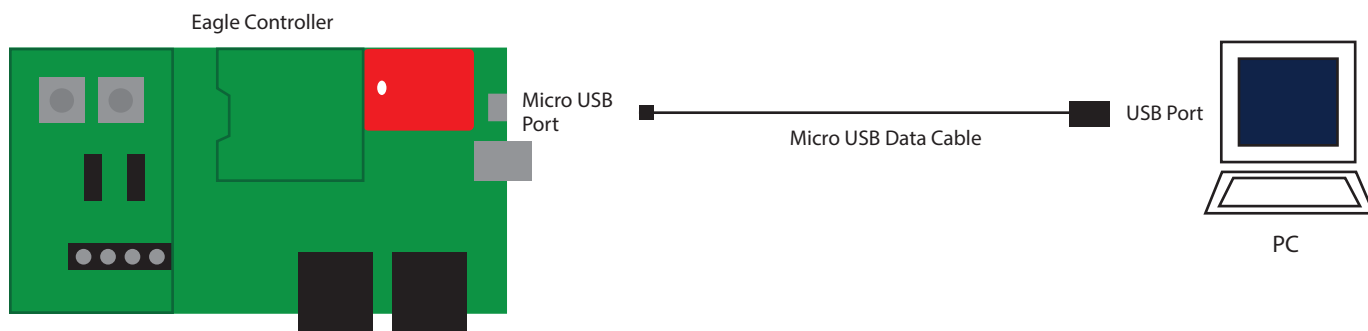
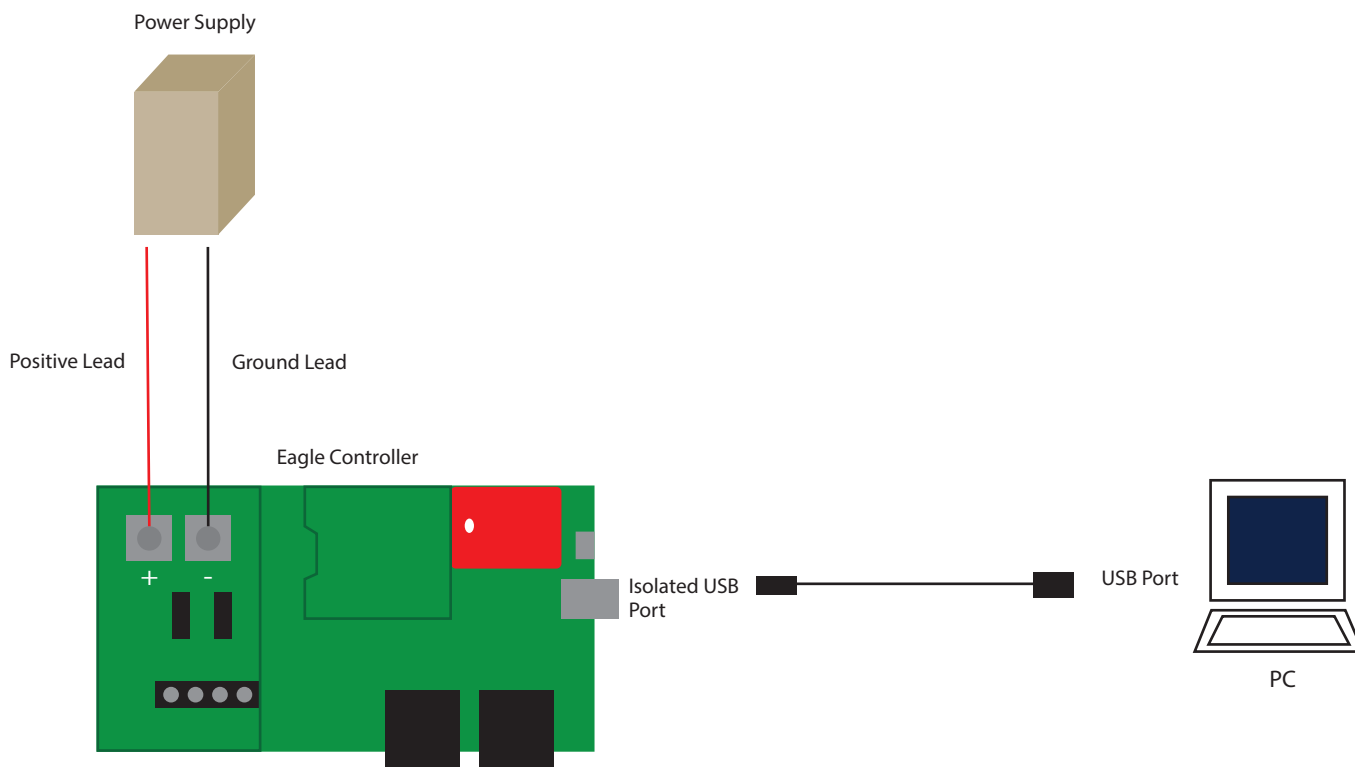


Eagle Power Options

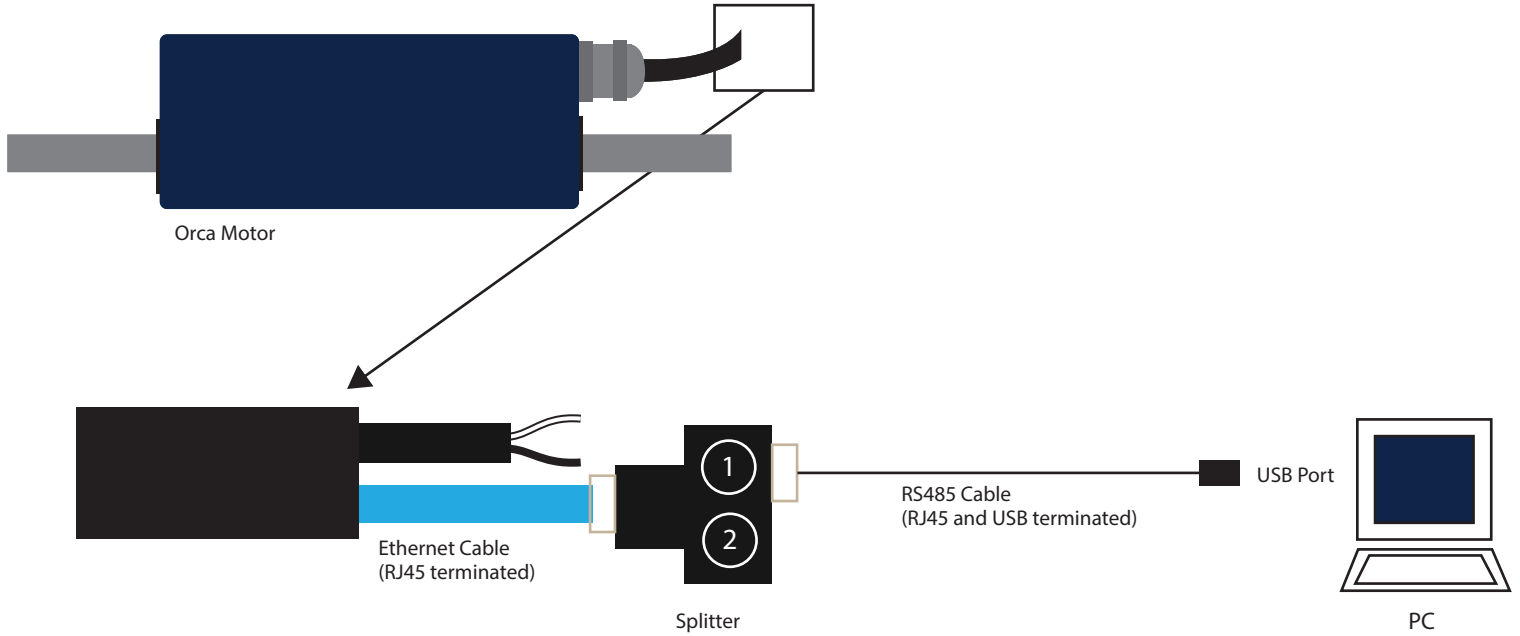


In this configuration the micro usb provides power to the Eagle Controller and serial data transfer between the Eagle Controller and the PC.

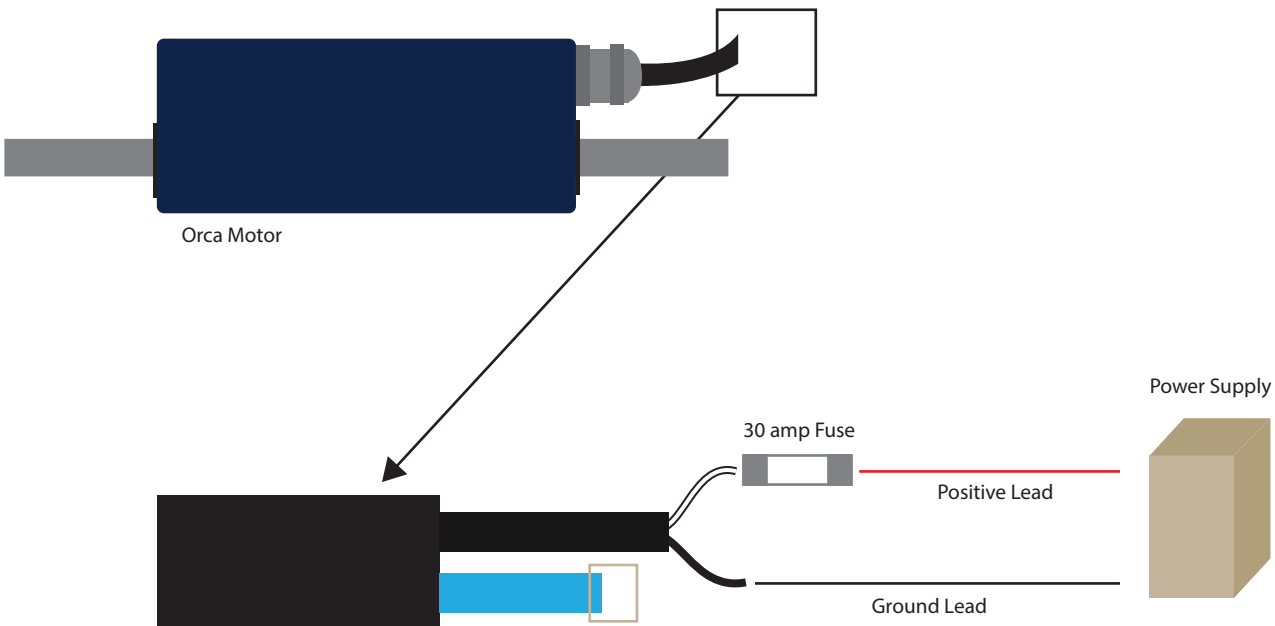


In this configuration the isolated USB provides serial data transfer between and PC and the Eagle Controller, and the power supply provides power.

Orca Power Options



In this configuration the RS485 provides the Orca Motor with 5 volts. This is enough power to connect the motor to Iris Controls, but not enough to command forces or positions to the motor.

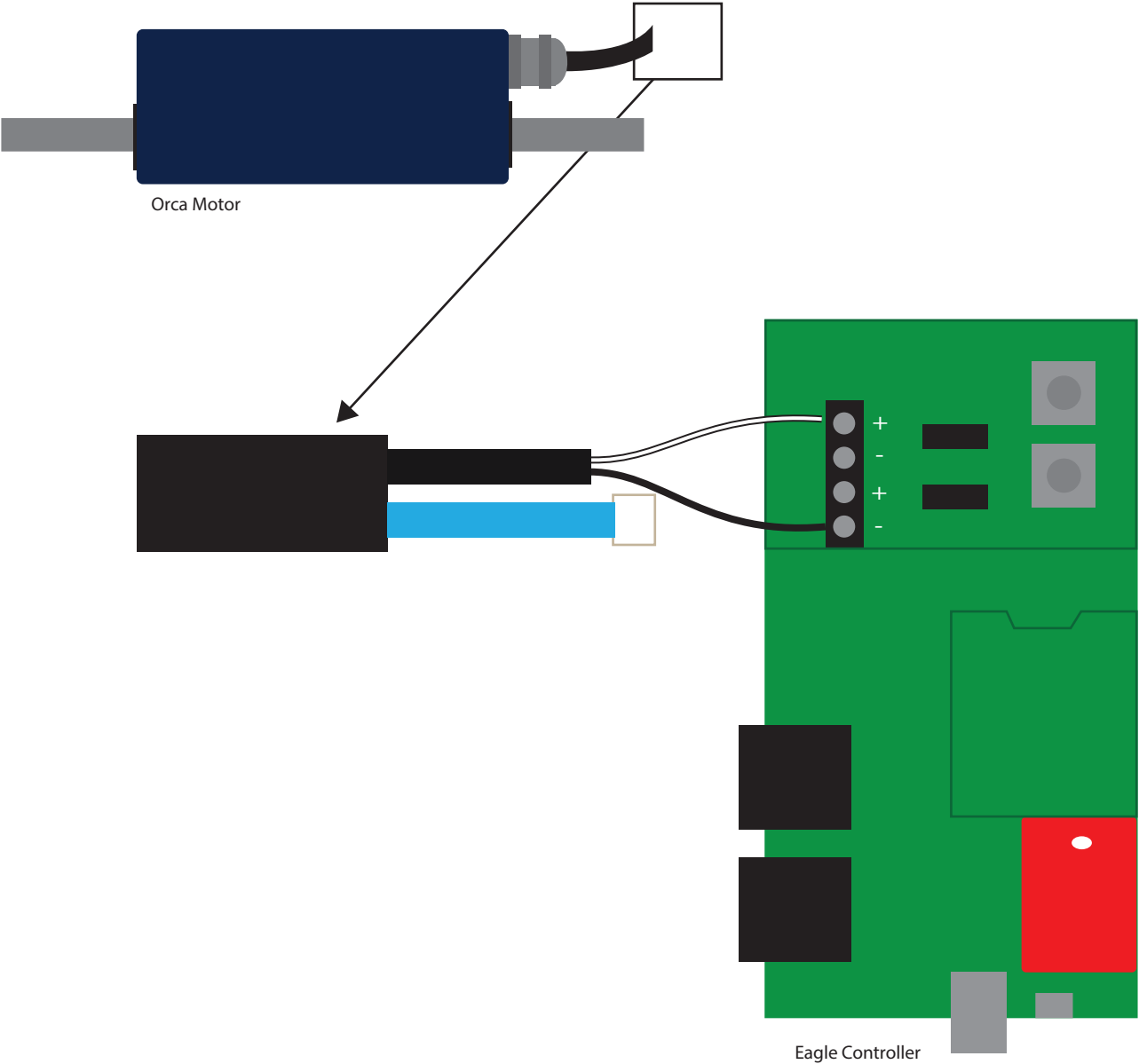


In this configuration the power supply provides power to the Orca Motor.

The two above configurations can be used together.

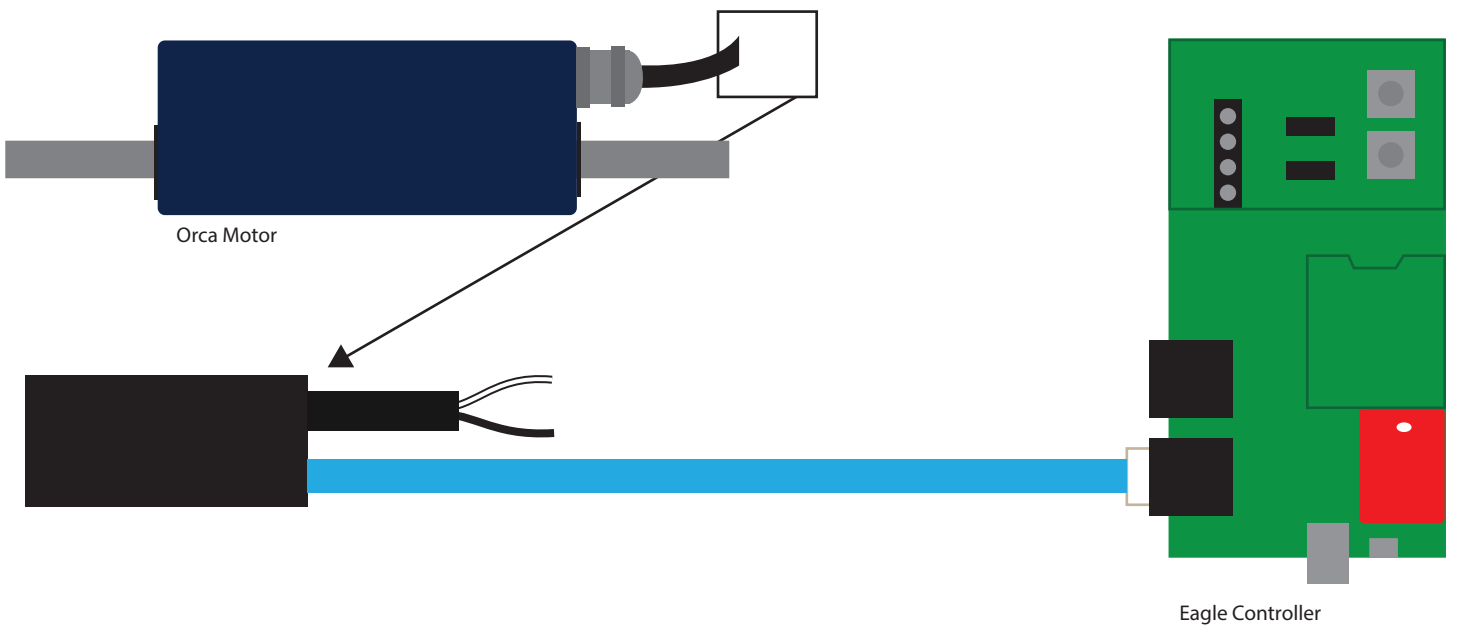
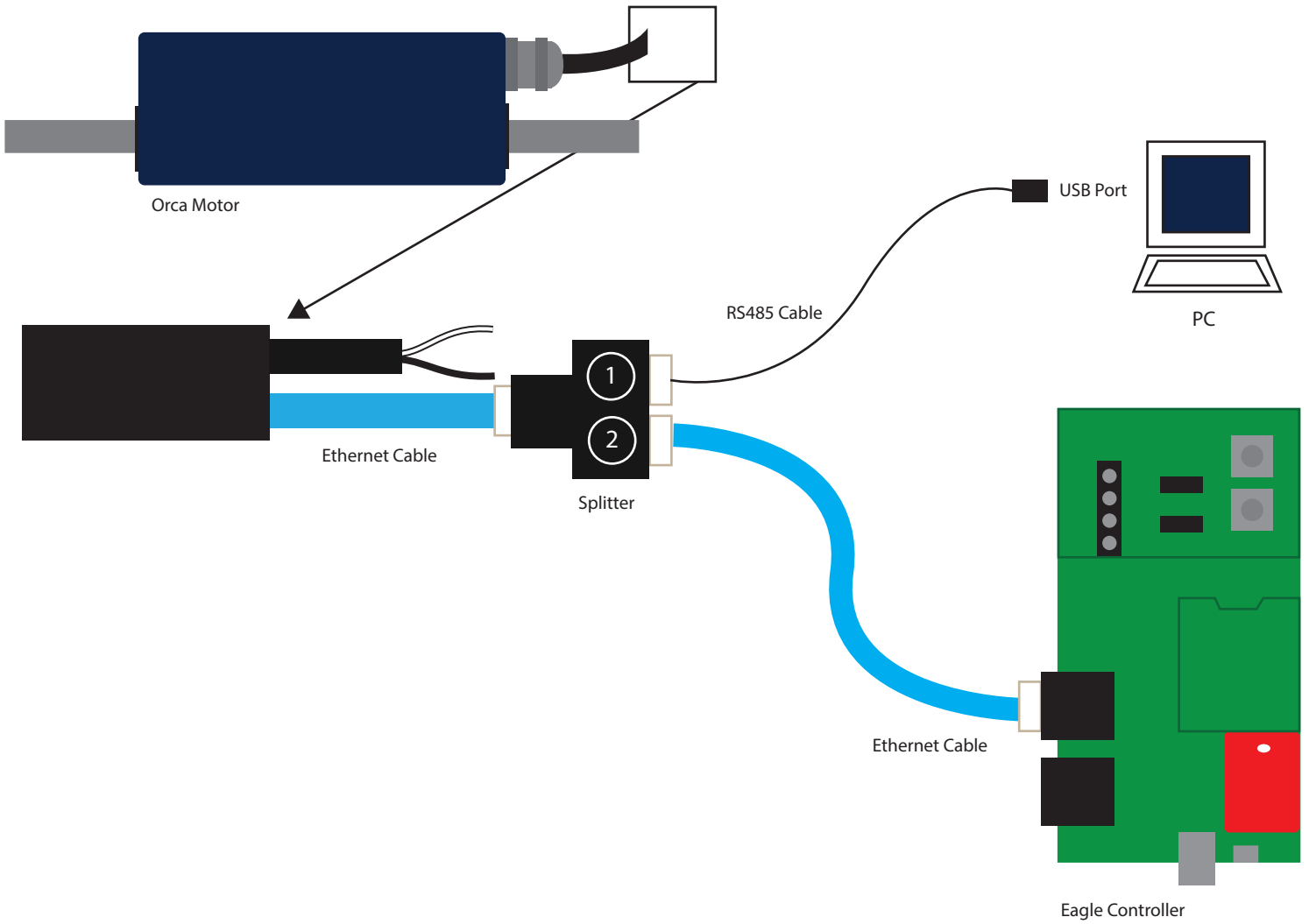
Powering the Orca Motor via the Eagle Controller

When using a 24V Orca Motor the Eagle Controller can be used to power the Orca, as seen below. In this configuration, the Eagle Controller must be powered by a power supply.



Orca and Eagle Communications

The RJ45 ethernet cable from the Orca motor can either be connected directly to the Eagle Controller board, or used with a splitter, if Iris Controls is wanted.



Basic Eagle Set Up

In this set up the Orca is powered via a power supply, and the Eagle is powered via a micro USB cable, which also allows for data transfer.

