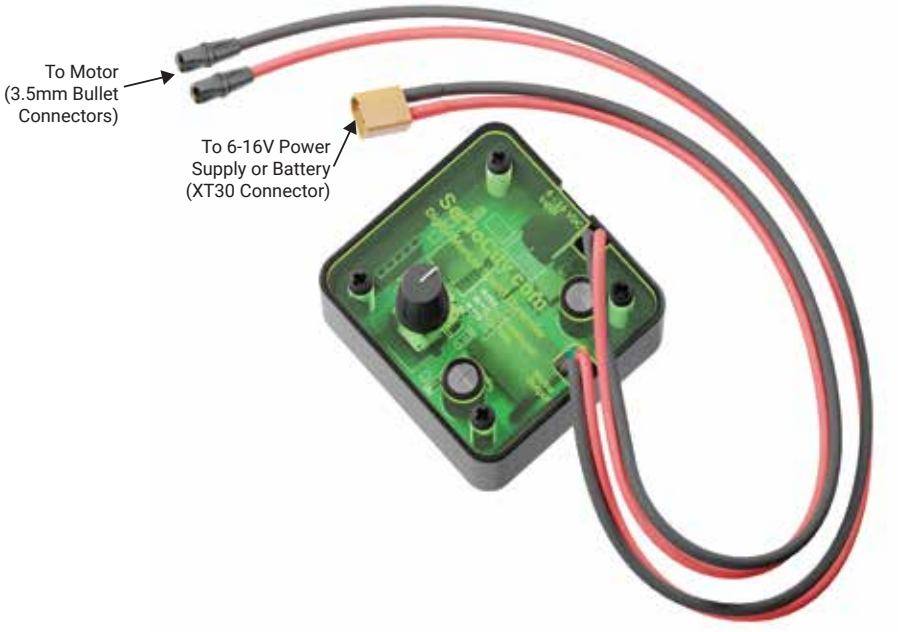
Digital Manual Speed Controller

SKU: DMSC6-16-10



The Digital Manual Speed Controller is able to precisely control the speed of a brushed DC motor. This controller is compatible with all of the brushed DC motors and motor driven devices that ServoCity offers.

To Operate a Motor:

1) Solder the supplied male 3.5mm bullet connectors to the terminals on your DC motor. It is recommended that you pre-tin the wires and terminals prior to soldering in order to reduce the amount of heat transferred to the inside of the motor.
   Excess heat can cause damage to the motor.
2) Connect the motor to the bullet connectors labeled “Motor Output”.
3) Connect a 6-16VDC battery or regulated power supply to the XT30 connector or the 2.5mm x 5.5mm DC power jack. An XT30 lead of the opposite gender has been included so you can solder it to your power source if needed.
4) You can now control the motor by turning the knob. If the motor responds in the opposite direction to the knob, reverse the bullet connectors.

Power Specifications:

- The Digital Manual Speed Controller is able to handle a 6-16VDC power input. Do not exceed 16DVC. Be sure that your input voltage does not exceed the maximum voltage that your motor can handle.
- The amperage needed is dependent on the motor and the torque load applied to the motor. The supplied amperage must meet or exceed the max amp draw of the motor. If the power source is less than adequate, the motor will not reach its maximum stated torque
- The controller is able to handle 10A continuous current and 30A peak. Be sure that your motor does not exceed these specifications.