

DAPR

Motorised Kit Speed Controller Guide



Electric Motor

Voltage - DC 1.5v – 6v

Speed – 3v/60RPM 6v/120RPM

Current – 0.02A

Notes – Comes with every motorised kit, pre wired and soldered, also available to purchase separately.



Option 1 – Speed Controller Only

Power – 1.8V – 6V

Current – 2A

Controller – Speed Controller

Notes – Controller comes preinstalled in a mountable casing with lid and connector block access, best suited for battery power supply.



Option 2 – Speed Controller & 3V Battery Holder

Power – 3V Battery Holder (2 x AA)

Controller – 1.8V - 6V Speed Controller

Notes – Controller comes preinstalled in a mountable casing with lid and connector block access.



Option 3 – Speed Controller & 6V Battery Holder

Power – 6V Battery Holder (4 x AA)

Controller – 1.8V – 6V Speed Controller

Notes – Controller comes preinstalled in a mountable casing with lid and connector block access.



Option 4 – Speed Controller with Forward/Reverse Control

Power – 6V - 24V

Controller – Speed Controller with Directional Control

Notes – Controller comes preinstalled in a mountable casing with direction control switch, also with lid and connector block access. Suited for kits where forward and reverse is required. *Please note, running at full speed may damage the motor, however this is an unlikely scenario as the motor speed at 50% is more than fast enough for a realistic scale speed for any motorised kit we offer.*



Option 5 – Speed Controller with Forward/Reverse Control & 6V Battery Holder

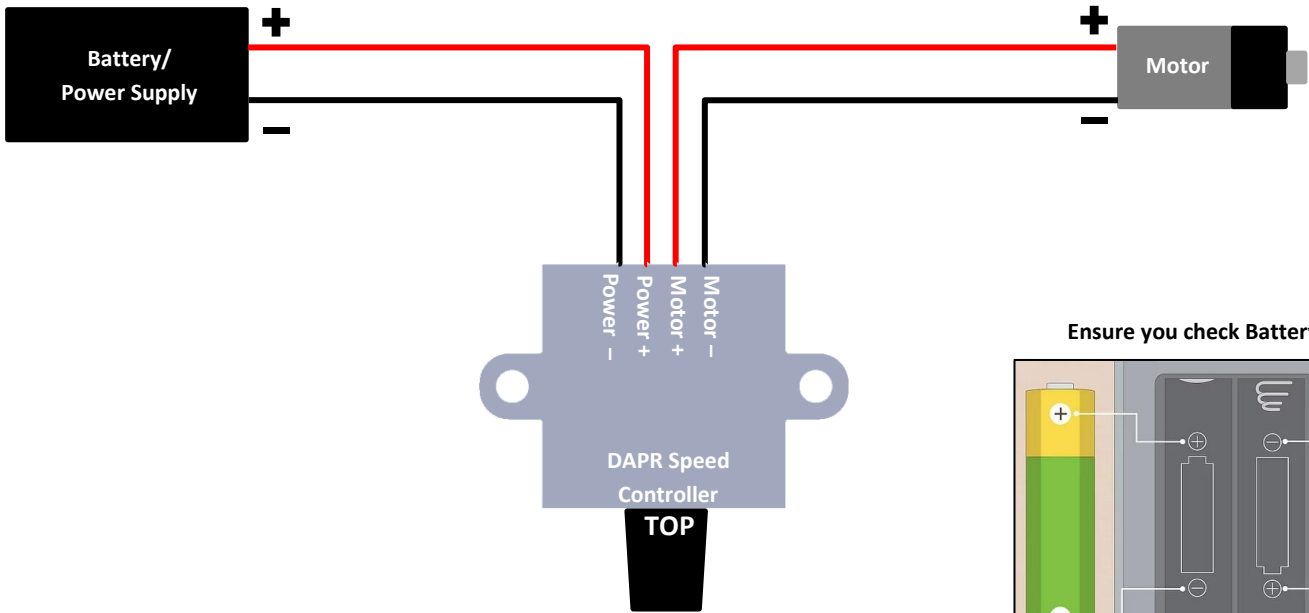
Power – 6V Battery Holder (4 x AA)

Controller – Speed Controller with Directional Control

Notes – Controller comes preinstalled in a mountable casing with direction control switch, also with lid and connector block access. Suited for kits where forward and reverse is best suited.



Wiring Guide



Controller Combination Options

Model	N		OO	
	Controller	Voltage	Controller	Voltage
Avalanche	Both	3-6v		
Chair O Plane	Standard	3-6v	Standard	3-6v
Divebombers	Direction Control	3-6v	Direction Control	6v-12v
Excavator	Direction Control	3-6v		
Ghost Train	Standard	3-6v	Standard	3-6v
Hook A Duck			Standard	3-6v
Inverted Ship	Direction Control	3-6v		
Jet Ride	Standard	3-6v	Standard	3-6v
Jet Ride V2	Standard	3-6v		
Mobile Crane	Direction Control	3-6v		
Mobile Jets	Standard	3-6v	Standard	3-6v
Paratroopers	Standard	3-6v	Standard	3-6v
Shooting Gallery			Standard	3-6v
Spinball	Direction Control	3-6v	Direction Control	3-6v
Tower Crane	Direction Control	3-6v		
Twister	Direction Control	3-6v		
Vintage Crane	Direction Control	3-6v		
Waltzer	Direction Control	3-6v	Direction Control	6v-12v
Water Mill	Standard	3-6v		
Wind Turbine	Standard	3-6v		
Windmill	Standard	3-6v		

Servo Controller

Servo Controller with 6V Battery Holder

Power – 4.5-6V Battery Holder (4 x AA)

Controller – **Servo Controller with 3 Modes**

Notes – Controller comes preinstalled in a mountable casing, the button next to the servo dial toggles between 3 servo modes.



Mode 1 - Manual

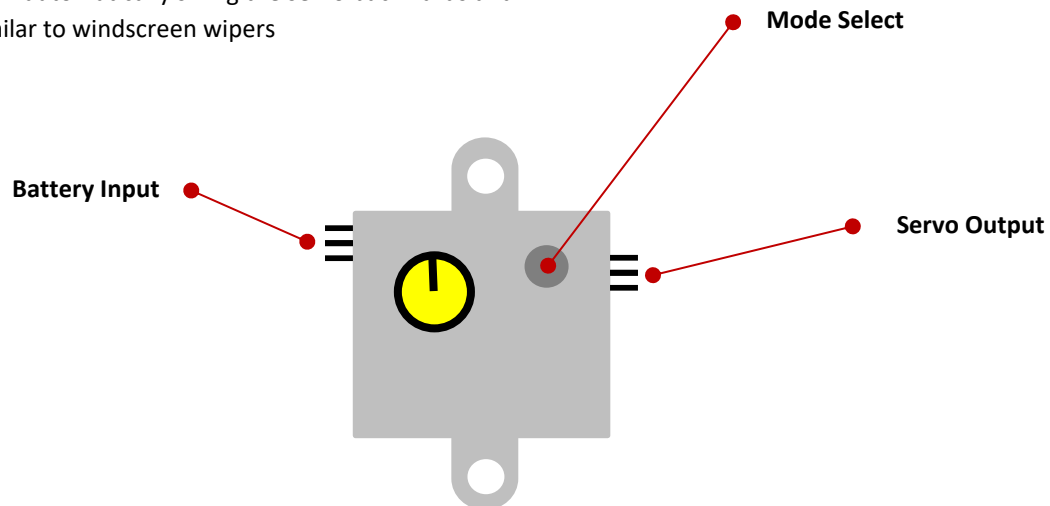
Turning the knob will move the servo

Mode 2 - Neutral

This mode will centre the servo

Mode 3 - 'Wiper'

This mode will automatically swing the servo backwards and forwards similar to windscreen wipers



Further Info and Tips

- Please carefully observe battery polarity when installing.
- Do not leave running motorised kits unattended and ensure power is off when not in use.
- To connect to a 12v supply you will need the directional control version.
- Use the diagram on the previous page to assist wiring the unit, please double check all connections.
- Controller case colours and knob style may vary.
- The information in the table above is only a recommendation, different controller combinations may better suit your requirements.
- For further help and support please contact dapr3d@gmail.com

