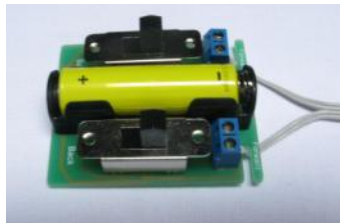


How to use Kre8 Manual Controller for use with Kre8 kits such as Kre8 Robot, Kre8 Crane etc



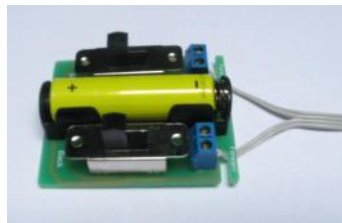
To turn OFF

BOTH switches in CENTRE



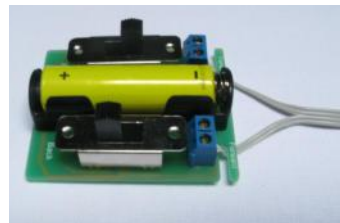
To move FORWARD

BOTH switches FORWARD



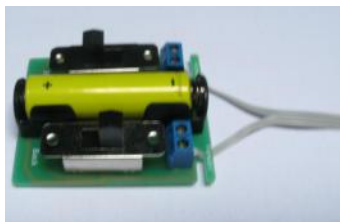
To move BACKWARD

BOTH switches at BACK



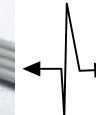
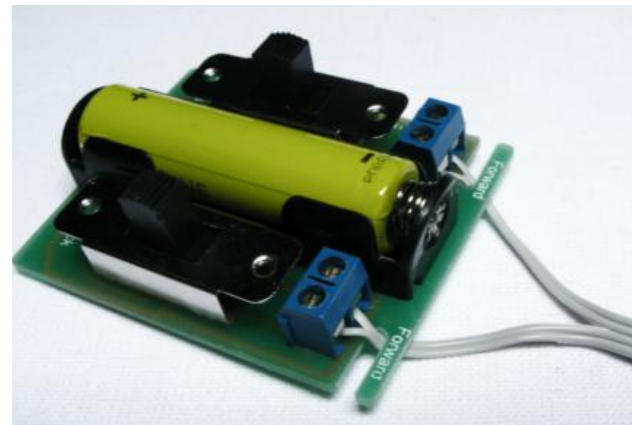
To TURN RIGHT

FORWARD left switch and
BACKWARD with right switch

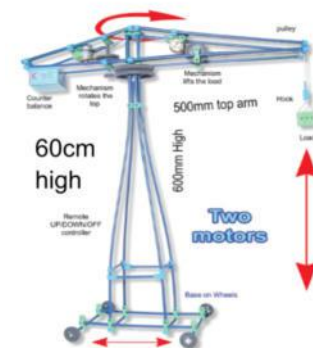


To TURN LEFT

BACKWARD with left switch and
FORWARD with right switch



Use with these models



Note - also see complete assembly on next page

You need

- 1- wire stripper
- 2- screwdriver
- 3- ribbon cable
- 4- manual controller

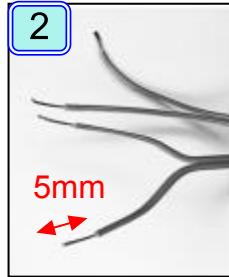
1) Adding controller

1



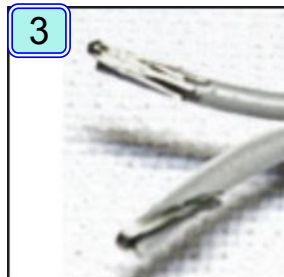
Select end of 'ribbon cable' and 'wire strippers' then

2



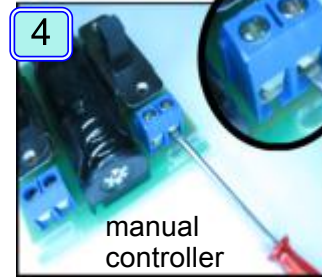
.. split wires and strip ends 5mm.

3



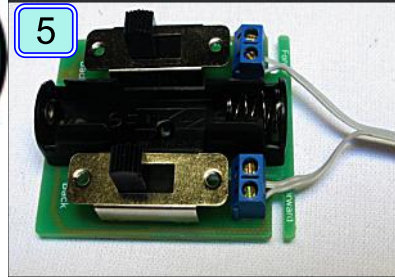
Bend bare wires over onto plastic part.

4



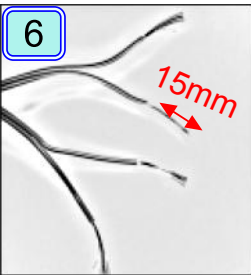
Check holes are open (check with screwdriver)

5

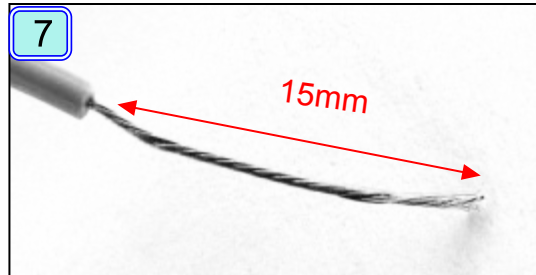


Place wires in and tighten (using screwdriver)

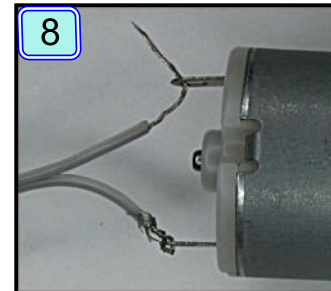
2) Adding the motors (at other end of the wire)



Split wires and strip ends 15mm long.



Twist bare wire ends so that they can be threaded through motor holes

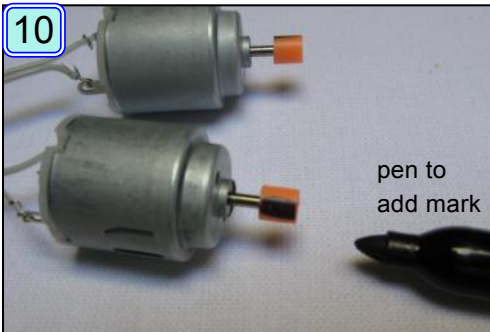


Thread wires through motor holes and twist.



Connect up both motors (Pair of wires to each motor.)

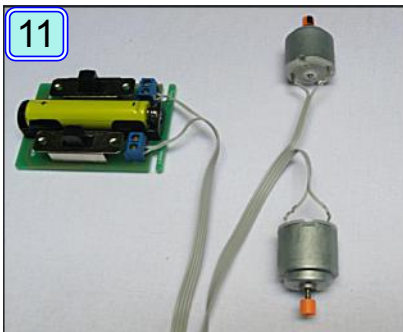
10



pen to add mark

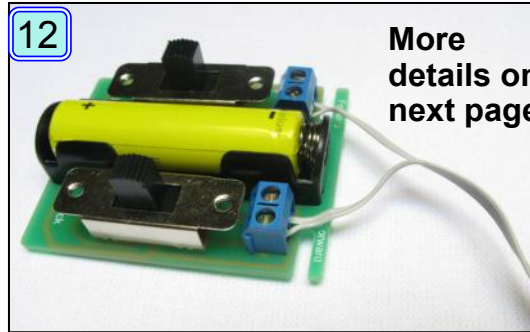
Slide orange tubes on and add mark so rotation can be seen easily.

11



Add battery and observe motor rotation.

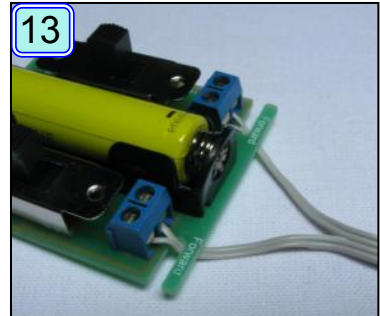
12



More details on next page

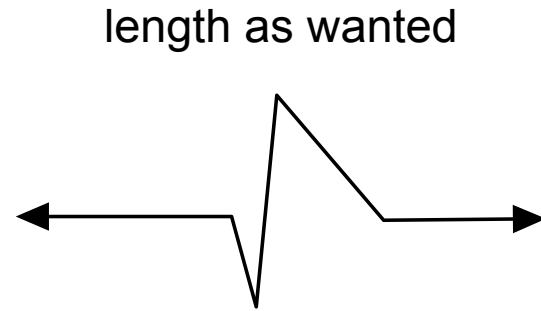
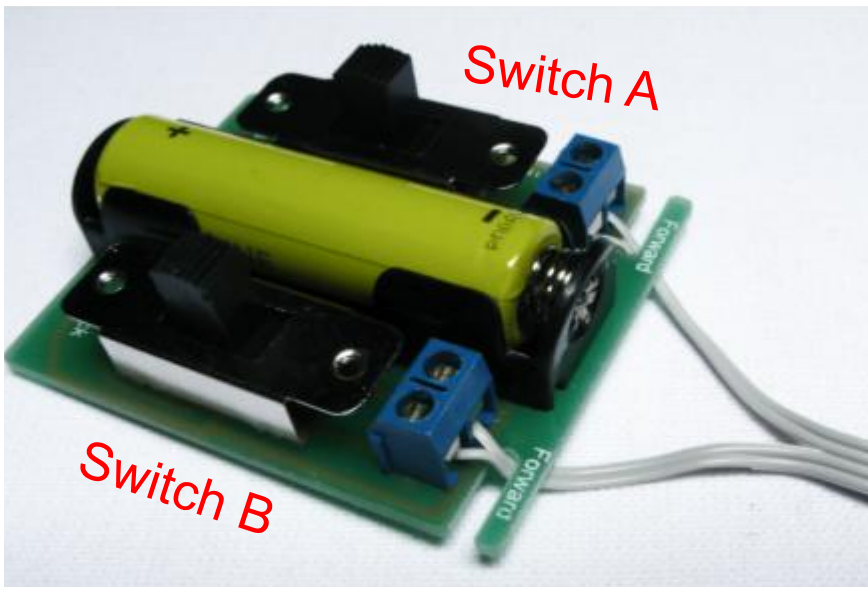
If motors do not rotate as required switch wires over on controller.

13



hook wires under PCB to hold to wires firmly.

Assembled to control a Manually Controlled Robot



Checking circuit works properly - (for steerable robot use)

Carry out the following checks.

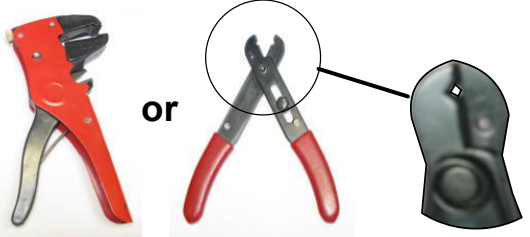
- (1) Move **switch A** and **switch B** forward and check the motors both rotate in **forward direction** then
- (2) Move **switch A** and **switch B** backward and check the motors **reverse**.
- (3) Put switches in **middle position** and both motors **stop**.

If wrong switch wires over on the manual controller

Wire cutter and stripper

TOOLS

Electrical screwdriver



Note - wire strippers may need adjusting before use to match size of wire used. (size of hole in centre)



Use to tighten the wires