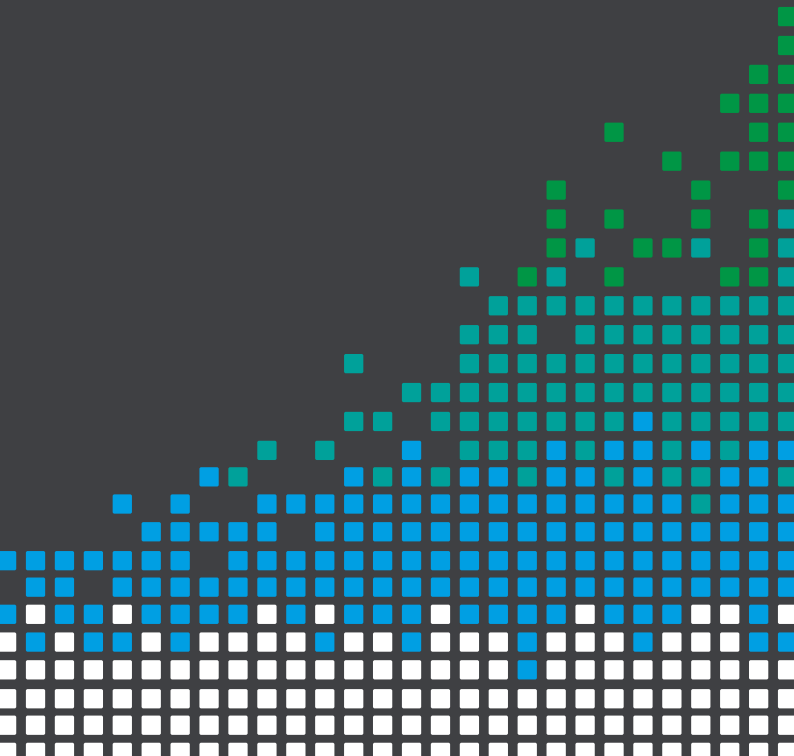# Kitronik

GET LIFTING WITH THE
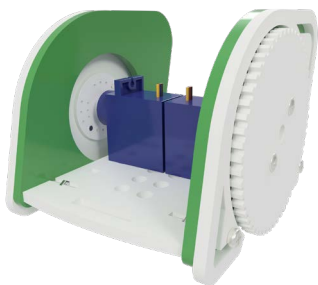
:MOVE Mini
BULLDOZER ADD-ON

BUILD INSTRUCTIONS

1

Take the :MOVE mini and remove the front ':MOVE' piece, followed by the SERVO:LITE board, and then the interior panels. Screws on the underside will need to be removed for this.
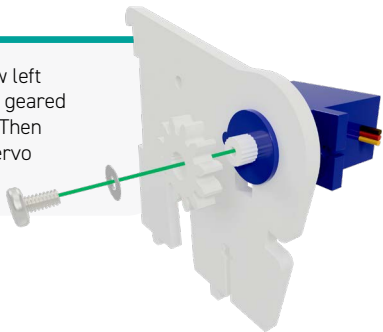
NOTE: If not done already, the SERVO:LITE board will need to be converted for use of three servos with the pin header provided. Visit kitronik.co.uk/3servo for the online guide.
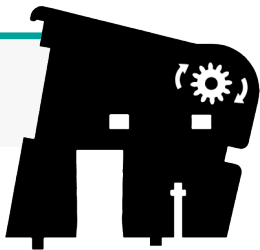
2

Slot the servo into the new left side panel, connecting the geared part onto the servo shaft. Then secure it with the small servo screw and washer.
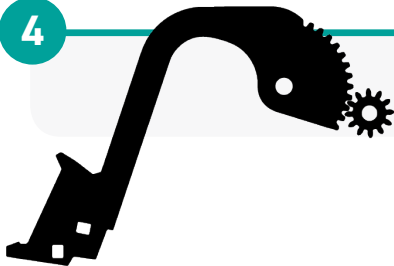
3

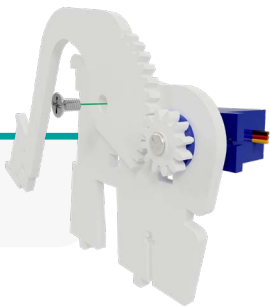Gently rotate the servo gear until it reaches its maximum clockwise position.

4

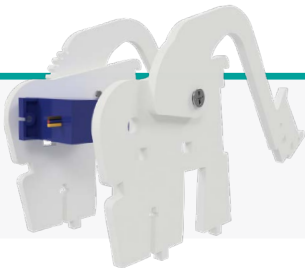Align the arm with the gear as shown in the fully down position.

5

Use one of the M3 Countersunk screws to attach the bulldozer arm.

6

Repeat for opposite side, using the arm which does not have the gear tooth profile and one of the side panels previously removed from your :MOVE mini.
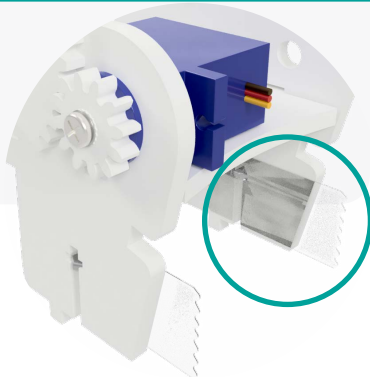
7

Using the smaller M2 screws, slot the scoops in between the two arms, and secure in place. Then slot the pen mounting plate under the servo.
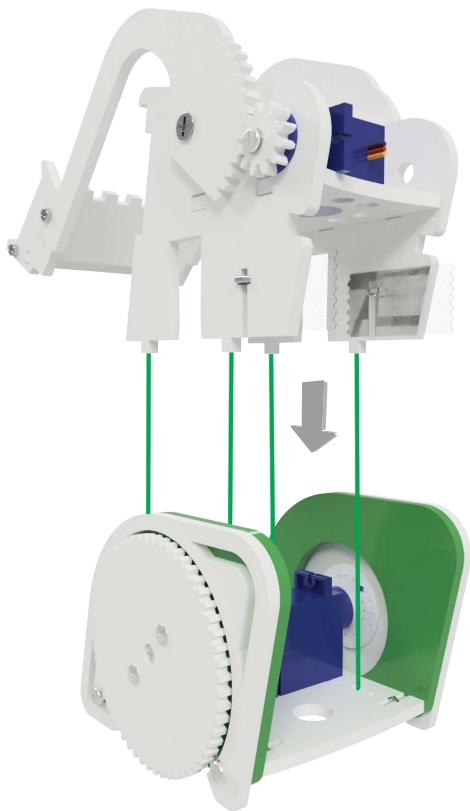
8

Place some tape over the inside of each side panel and insert M2 nuts. This will help to keep the nuts secure in the slot for the next step.

NOTE: If you do not have any tape available - you will need to disassemble your :MOVE mini and follow the instructions from the original :MOVE mini manual. Simply replace the two inner side panels with this module you have just built.

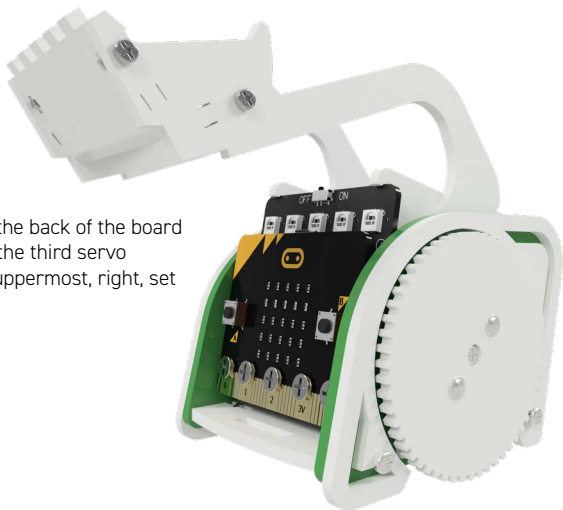Slot the bulldozer module in between the two exterior sides as shown below.

10

Use a screwdriver to tighten the screws and lock the module in place. Once secure, remove the tape.
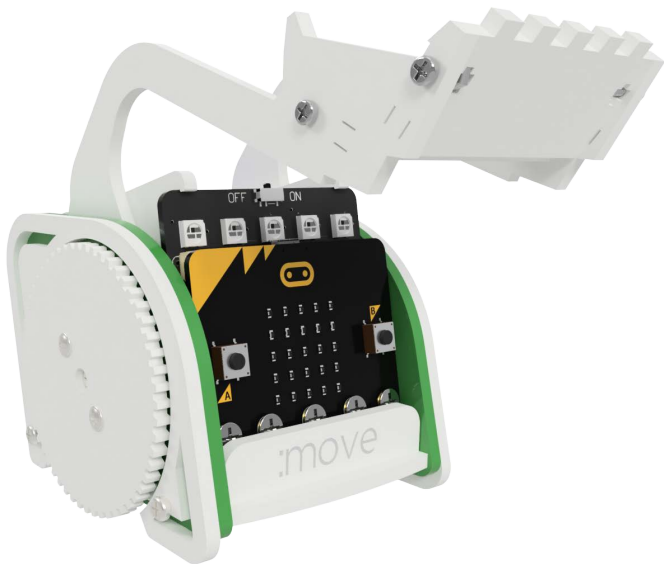

11

Re-attach the three servo cables, and return the SERVO:LITE board back into :MOVE mini.

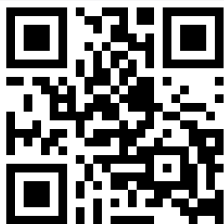**NOTE:** With the back of the board facing you - the third servo attaches to uppermost, right, set of pins.

12

Replace the :MOVE piece.

13

GET CODING!
Visit kitronik.co.uk/5624-BD for help.

TOOLS REQUIRED
- Small Phillips Screwdriver
- Soldering Iron
- Knife

STOCK CODE
5624-BD

This accessory requires modification to the Servo:Lite board and disables the on board ZIP LEDs. Visit kitronik.co.uk/3servo for the online guide.

WARNING : Contents may inspire creativity

RoHs

C E