STAY ON TRACK WITH THIS

:MOVE LINE
FOLLOW BOARD
FOR BBC MICRO:BIT

For :MOVE mini Mk2
NOTE: This kit includes fixings for both the original :MOVE mini and :MOVE mini Mk2, so there may be spare components left over after the build.

1. To use the Line Following board with the Interface board, first complete the build instructions provided with the Interface Board.

2. For use with the :MOVE mini, see the following page. If you wish to use this board separately, connect the Line Follow Board to the Interface Board in the following order:

   - GND ➔ 0V
   - P15 ➔ R
   - 3V3 ➔ 3V
   - P16 ➔ L
   - GND ➔ 0V

TUNING GUIDE

On the underside of the Line Follower Board, there are two potentiometers which can be adjusted using a small screwdriver. These can adjust the board's sensitivity to light depending on which direction it's turned.

- To make the detector less sensitive: turn the pot clockwise.
- To make the detector more sensitive: turn the pot anti-clockwise.
a. Remove the ‘:MOVE’ panel and SERVO:Lite board from the :MOVE mini.

b. Using the **LONGER** two M3 screws and spacers provided, attach the line following board to the underside of :MOVE mini. The shorter screws can be discarded.

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**NOTE:** Ensure the larger robot logo is visible from below and the pins are pointing out of the front of the :MOVE mini.

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2

Reconnect the servos and slot the SERVO:Lite assembly back into :MOVE mini. Using the cable provided, connect the Interface Board to the Line Follower Board. Refer to Step 2 on the previous page for the connection diagram.

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**GET CODING!**

Visit kitronik.co.uk/5659 for help. See the online datasheet for a tuning guide.
Add line following to your micro:bit robots with the compact Kitronik :MOVE Line Following Board For BBC micro:bit, also fully compatible with :MOVE mini.

STOCK CODE: 5659

TOOLS REQUIRED:
- Small Phillips screwdriver

KIT REQUIRES:
- 1 x BBC micro:bit
- 1 x :MOVE Sensor Interface board for the BBC micro:bit (optional)
- 1 x :MOVE mini buggy kit (optional)

INSTRUCTIONS:
This booklet contains build instructions. For more detailed resources please visit our website at www.kitronik.co.uk/5659

WARNING: Contents may inspire creativity

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Designed & manufactured in the UK by Kitronik

RoHs CE

For more information on RoHs and CE please visit kitronik.co.uk/rohs-ce. Children assembling this product should be supervised by a competent adult. The product contains small parts so should be kept out of reach of children under 3 years old.