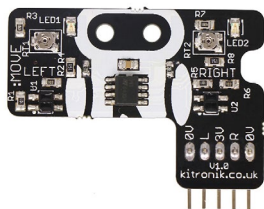




STAY ON TRACK WITH THIS

:MOVE LINE FOLLOW BOARD FOR BBC MICRO:BIT

For :MOVE mini Mk2

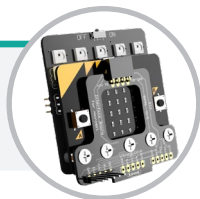


BUILD INSTRUCTIONS

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



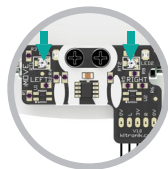
For use with the :MOVE mini, see the following page.

If you wish to use this board separately, connect the Line Follow Board to the Interface Board in the order shown.

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 boards sensitivity to light depending on which direction its turned.



- ⊖ To make the detector less sensitive: turn the pot clockwise.
- ⊕ To make the detector more sensitive: turn the pot anti-clockwise.

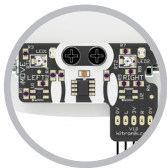
FOR USE WITH :MOVE MINI

NOTE: This instruction book is for :MOVE mini Mk2. If you have an original :MOVE mini, visit www.kitronik.co.uk/5659-mk1.

1

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.



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

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.



3

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

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

-  **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)



Example
Use

 **WARNING:** Contents may inspire creativity

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 Designed & manufactured
in the UK by 

 [kitronik.co.uk/twitter](https://twitter.com/kitronik)

 [kitronik.co.uk/facebook](https://facebook.com/kitronik)

 [kitronik.co.uk/youtube](https://youtube.com/kitronik)

 [kitronik.co.uk/google](https://google.com/kitronik)



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.