Kitronik

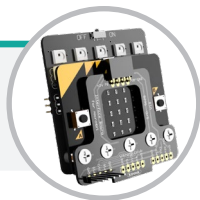# :MOVE LINE FOLLOW BOARD FOR BBC MICRO:BIT

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.
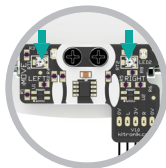
2

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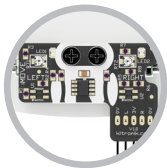⊕ To make the detector more sensitive: turn the pot anti-clockwise.

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.

Example Use

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)

! WARNING : Contents may inspire creativity