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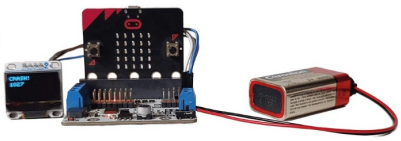
WMS101 Micro Bit Acceleration Measurement Kit



Velleman WMS101 Micro Bit Acceleration Measurement Kit User Guide

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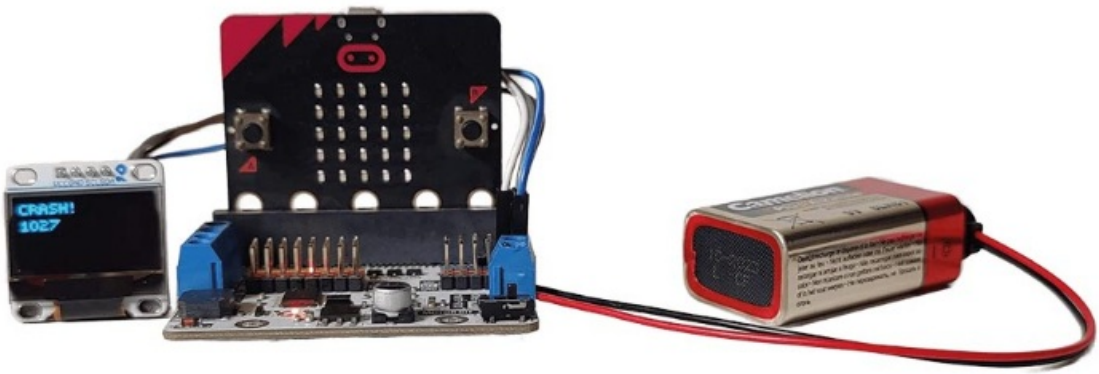


Specifications

- **Model**: WMS101

- **Features**: Micro Bit Acceleration Measurement Kit with 0.96-inch OLED screen and Motor shield
- **Screen Size**: 0.96 inches OLED
- **Power Source**: 9V battery
- **Preprogrammed** Arduino with customizable source code

The WMS101is a Micro Bit Acceleration Measurement Kit with 0.96-inch OLED screen and Motor shield. You can view acceleration data on the bright OLED screen and control motors.

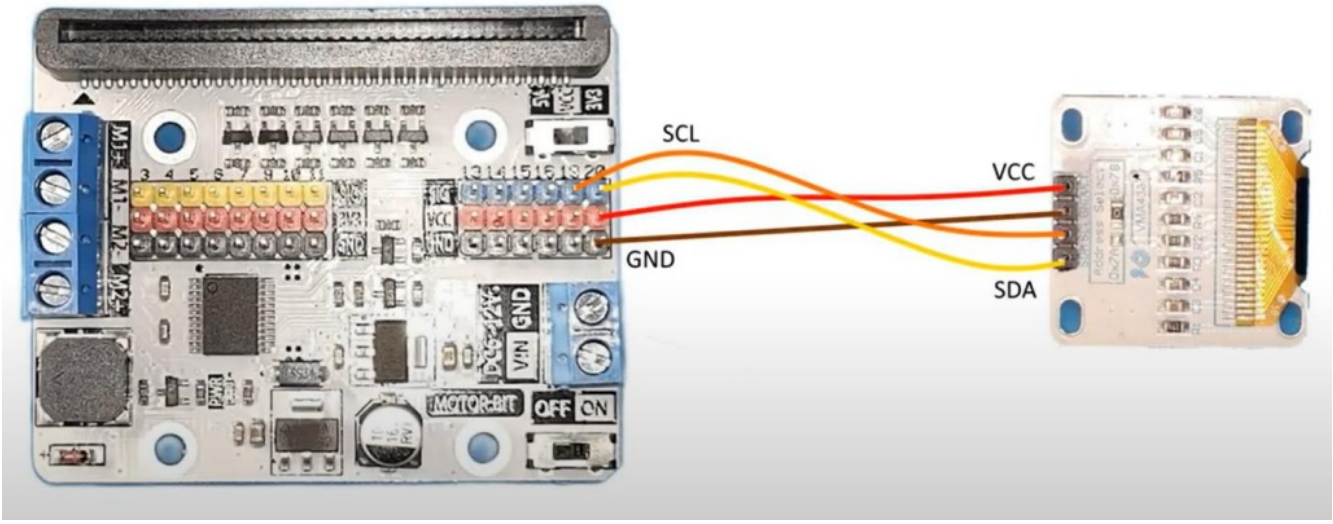
SCAN THE QR CODE

The Arduino is already preprogrammed with our code, but you can modify and download the Arduino source code on our GitHub page using the QR code below.

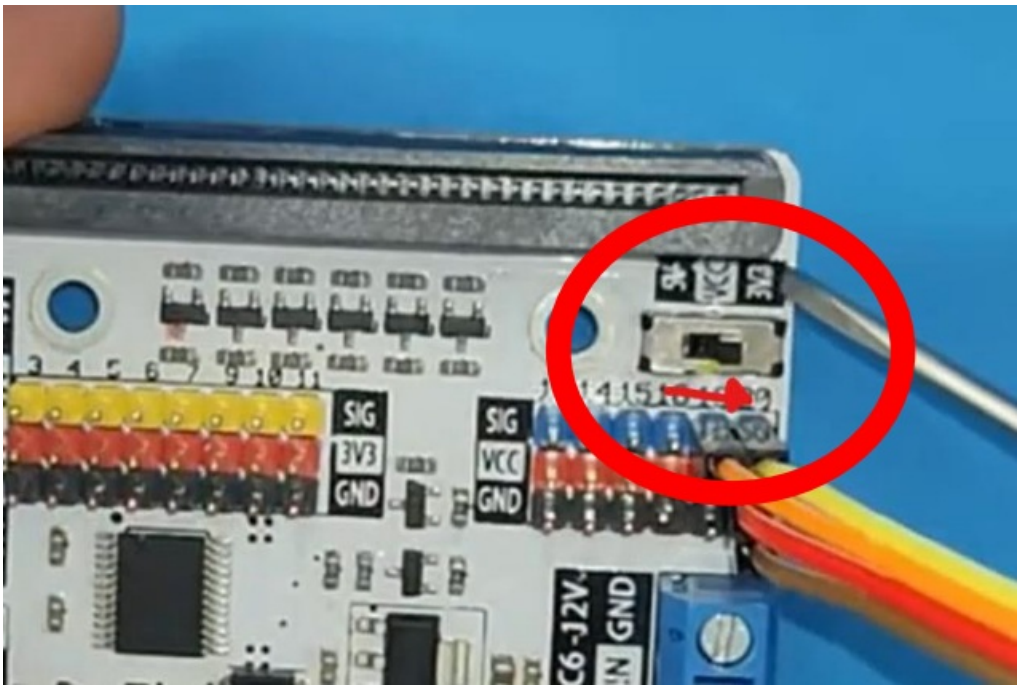
For a more detailed version of the assembly instructions and explanation how it works, you can follow our tutorial video using the QR code below.

Product Usage Instructions

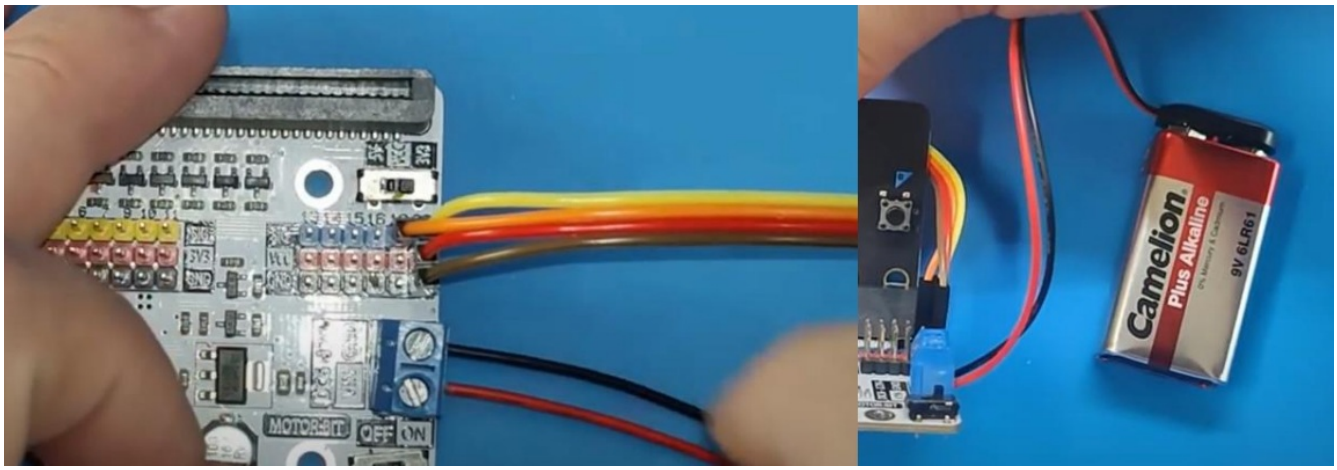
- Now unbox everything and connect the OLED screen to the motor board like in the picture below using 4X Female to Female jumper cables



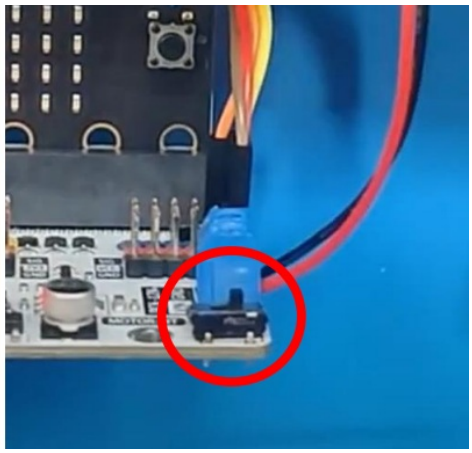
- Make sure the Slide switch is set to 3V3



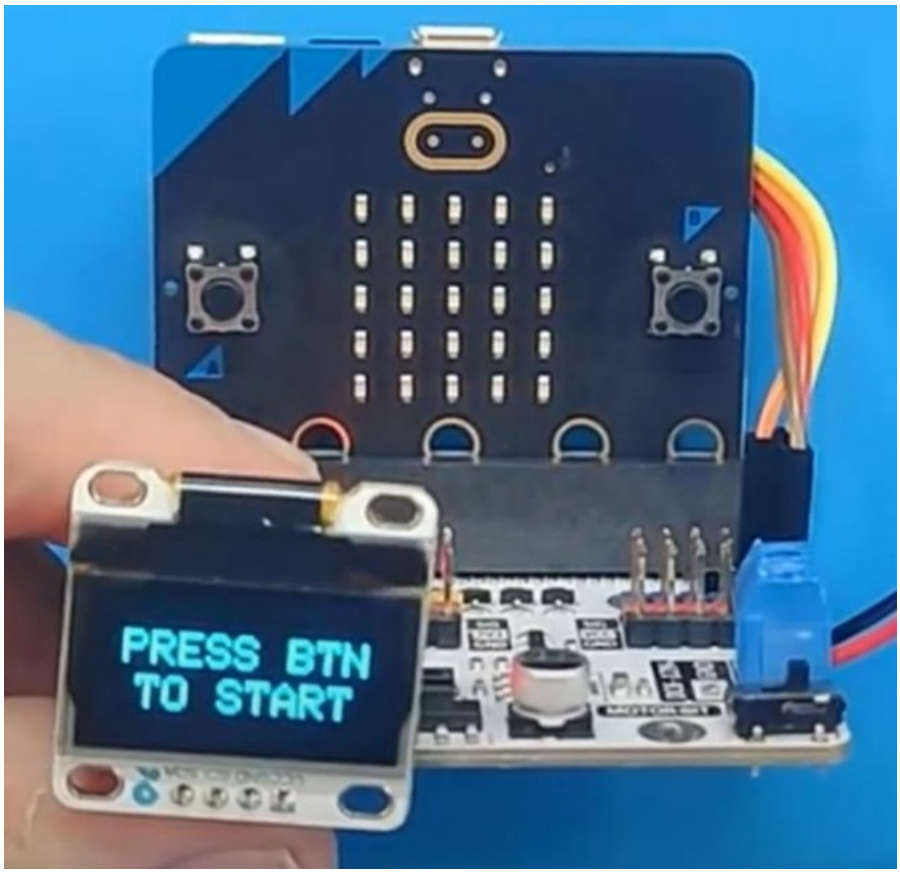
- Now connect the battery using the 9V battery clip and connect the wires to the terminal on the Motor Shield, Dont switch the wires!



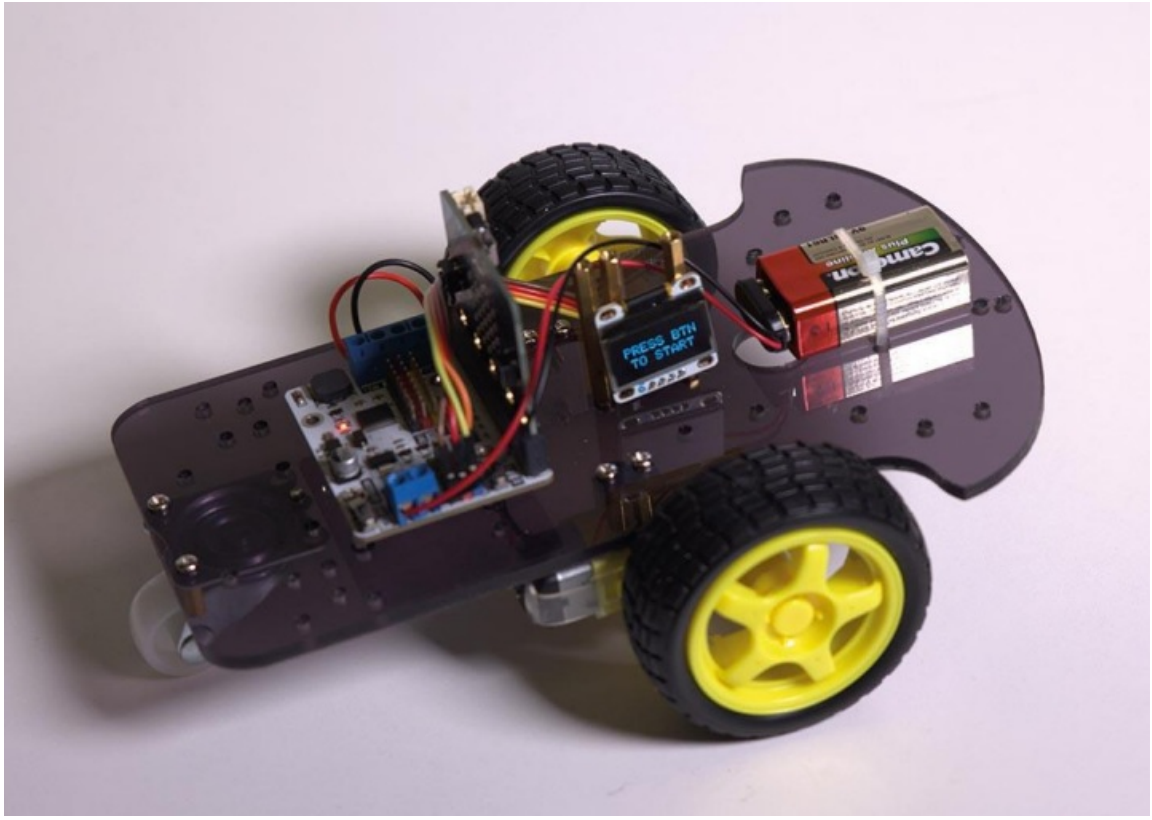
- Connect the Micro Bit and set the ON/OFF switch of the motor board to ON.



- Press the RESET button on the back of the Micro Bit, and the OLED screen should light up. Now follow the instructions on the screen.



- Below you can find an example on how to use the Acceleration Kit. Mount it on any device that moves, crash your car, and see how many force it endured.



Product Usage Example:
Mount the Acceleration Kit on a moving device, such as a car. Trigger a crash scenario to measure the force endured by the device.

FAQ

Q: Can I modify the Arduino source code?
A: Yes, you can modify and download the Arduino source code from our GitHub page.

Q: What is the power source for the kit?
A: The kit is powered by a 9V battery.

Q: How do I know if the kit is properly set up?
A: After connecting all components and turning on the power, pressing the RESET button on the Micro Bit should light up the OLED screen.

Documents / Resources

	Velleman WMS101 Micro Bit Acceleration Measurement Kit [pdf] User Guide WMS101 Micro Bit Acceleration Measurement Kit, WMS101, Micro Bit Acceleration Measurement Kit, Bit Acceleration Measurement Kit, Acceleration Measurement Kit, Measurement Kit

References

- User Manual