QuickStart guide WMS103

The WMS103 This kit ensures that your plant maintains the ideal humidity level by means of a soil moisture sensor. If the humidity is too low, it will operate a (peristaltic) pump, which in turn pumps water to water a plant.

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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.

Now unbox everything and connect all the sensors, Oled screen, relay and peristaltic pump by using the jumper cables that are delivered in the box. Also connect the 9V battery to the Arduino Uno.
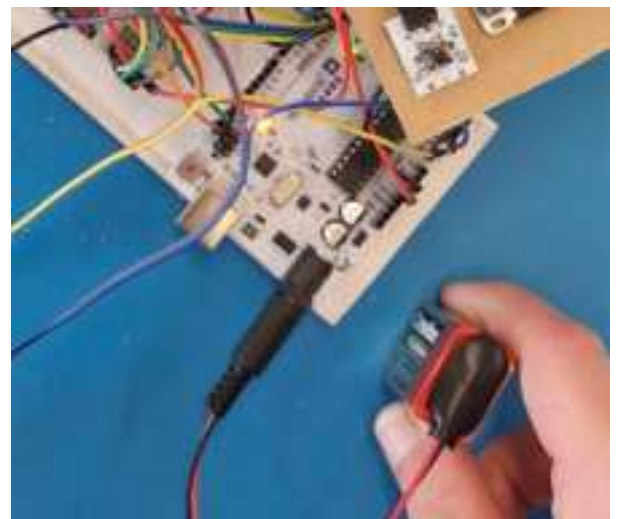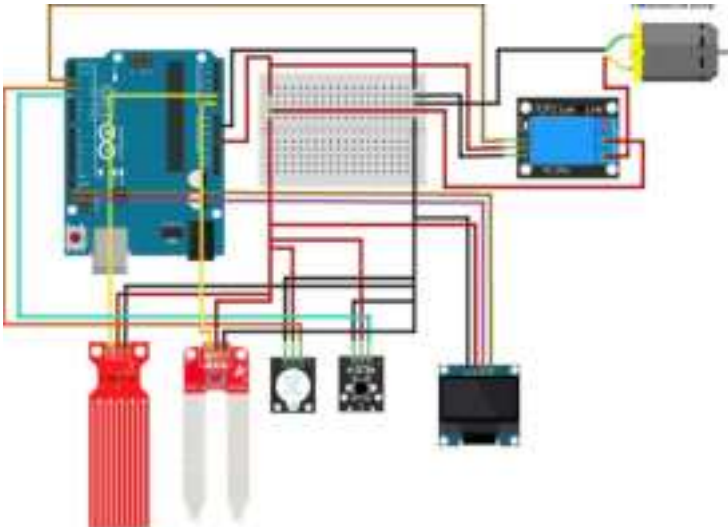

There will be different values displayed on the OLED screen. Place the Moisture sensor in the soil of a plant or flower. Place the Water level sensor in a container with water.
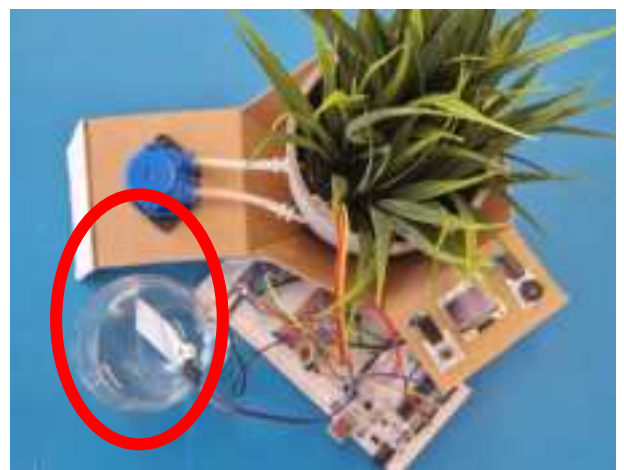
Place the suction hose in the container with water and the other hose of the paristaltic pump to the plant

You can manually operate the peristaltic pump by pressing the tactile switch. This will only work when there is enough water in the container. The Buzzer will sound when the Water level is too low.
The Oled will display if the water Level is OK or too Low. You will also get a reading from the moisture level of the plants soil. The peristaltic pump will operate automatically if the value is below 400. You can change these values by modifying the source code on the GitHub page (QR code on top).
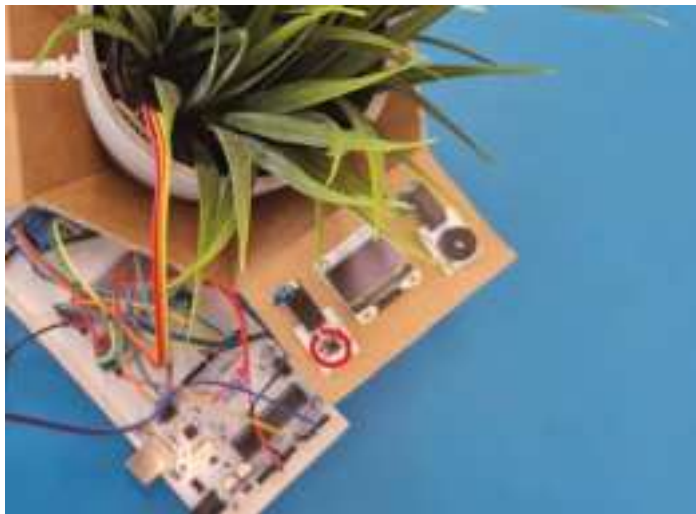
USE THE QR CODE AT THE TOP TO ALSO MAKE A HOUSING OUT OF THE PACKAGING!