


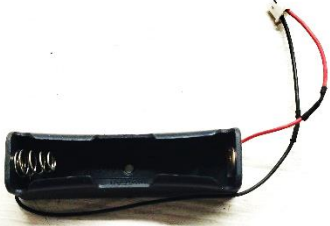



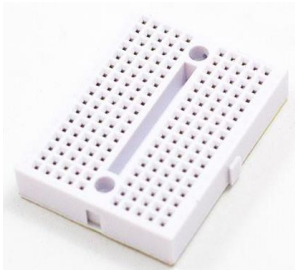

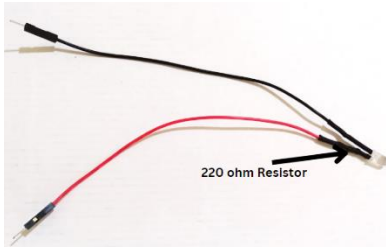








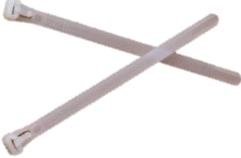



# Components List – Kit 02

Item Name	Quantity	Image
Magicbit Core board	1	 A hexagonal orange printed circuit board (PCB) with a central black microcontroller chip. The board features various components including two circular sensors, several push buttons, and a USB port. The 'magicbit' logo is visible on the board.
Mini USB cable	1	 A black cable with a standard USB-A connector on one end and a Mini-USB-B connector on the other.
Proximity IR sensor	2	 Two small blue PCBs, each with a black lens and a small electronic component. They have three pins extending from the bottom.
DHT11 sensor	1	 A blue rectangular PCB with a grid of small square components on its surface and three pins extending from the bottom.
Ultrasonic sensor	1	 A blue PCB with two cylindrical ultrasonic transducers (one labeled 'T' for transmit and one 'R' for receive) and three pins at the bottom.
Ultrasonic cable	1	 A multi-colored cable with a black connector on one end and a different connector on the other.
Servo motor	1	 A blue servo motor with a red horn and a white horn, accompanied by a small metal screw and a grey plastic piece.
DC gear motors (Yellow plastic)	2	 Two yellow plastic DC gear motors with metal gears and shafts.
Plastic wheels (Yellow large)	2	 Two large black plastic wheels with yellow hubs.

<p>Castor wheel ( metal - large )</p>	<p>1</p>	
<p>RGB module</p>	<p>1</p>	
<p>18650 Li-Ion battery</p>	<p>1</p>	
<p>18650 Li-Ion battery holder</p>	<p>1</p>	
<p>Battery charger</p>	<p>1</p>	
<p>M-M jumper wires</p>	<p>15</p>	
<p>M-F jumper wires</p>	<p>10</p>	
<p>Mini Breadboard</p>	<p>1</p>	

10 Kilo-ohm resistor	1	
Resistor connected LED	1	
PIR ( Motion ) sensor	1	
Soil moisture sensor	1	
Plastic Fan blade	1	
DC motor	1	
Popsicle sticks ( large )	10	
Wooden ultrasonic mount	1	

Microphone module	1	 A small red printed circuit board (PCB) with a silver microphone capsule, a blue electrolytic capacitor, and several electronic components. It has three pins extending from one end.
Traffic light module	1	 A black PCB with three LEDs in green, yellow, and red, mounted on a single header. It has several pins on the other side.
Short cable ties	2	 Two white plastic zip ties, one positioned horizontally and one vertically, crossing each other.
Magicblocks Coupon Code	1	 A rectangular cardboard coupon with a black arrow-shaped graphic on the left containing the text "Magicblocks.io" and "COUPON" in white. The rest of the coupon is a plain tan color.