



Hummingbird Bit Component Guide

Hummingbird Bit Component Guide				
Component	What Does It Do?	Plug It In	lcon	
	Outp	uts		
Single Color LED	Program the brightness of the light	Color: + (Positive) Black: - (Ground)	1 1 2 2 2 3 3	
Tri-Color LED	Program the color of the light	Red: R (Red) Green: G (Green) Blue: B (Blue) Black: - (Ground)	ROB PROB TRI-COLOR	
Position Servo	Program the angle of the motor from 0° to 180°	White: S (Signal) Red: + (Positive) Black: - (Ground)	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Rotation Servo	Program the speed of rotation	White: S (Signal) Red: + (Positive) Black: - (Ground)	esta de la companya d	
Buzzer	Program different musical tones	micro:bit accessory		
	Inpu	ts		
Distance Sensor	Measure the distance to the closest object	Yellow: S (Signal) Red: + (Positive) Black: - (Ground)	SENSORS **** £ 1	
Light Sensor	Measure the light around the robot	Yellow: S (Signal) Red: + (Positive) Black: - (Ground)	STREET, STREET	
Dial Sensor	Measure how much the knob is turned	Yellow: S (Signal) Red: + (Positive) Black: - (Ground)	\$1 \overline{Q} 2 \overline{Q} 3 \overline{Q} 3	

Sound Sensor

Measure the sound around the robot

Yellow: S (Signal)

Red: + (Positive) Black: - (Ground)



Radio

Send and receive messages

micro:bit accessory

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Fill in the blanks below.

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		Outputs	
Single Color LED		Color: + (Positive) Black: - (Ground)	1 2 2 2 3 3 3
Tri-Color LED		Red: R (Red) Green: G (Green) Blue: B (Blue) Black: - (Ground)	G G G - T G G G G G G G G G G G G G G G
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Rotation Servo		White: S (Signal) Red: + (Positive) Black: - (Ground)	estresses and the second secon
Buzzer		micro:bit accessory	
		Inputs	
Distance Sensor		Yellow: S (Signal) Red: + (Positive) Black: - (Ground)	\$ ENSORS ## E 1 TQ 2 TQ 3 S+- S+- S+- S+-
Light Sensor		Yellow: S (Signal) Red: + (Positive) Black: - (Ground)	5ENSORS # E 1
Dial Sensor		Yellow: S (Signal) Red: + (Positive) Black: - (Ground)	\$EMSORS **** E 1
•			SENSORS 1823 E

Sound Sensor

Yellow: S (Signal) Red: + (Positive) Black: - (Ground)

Compass	micro:bit accessory
Accelerometer	micro:bit accessory
A/B Button	micro:bit accessory
o o	micro:bit accessory

Radio