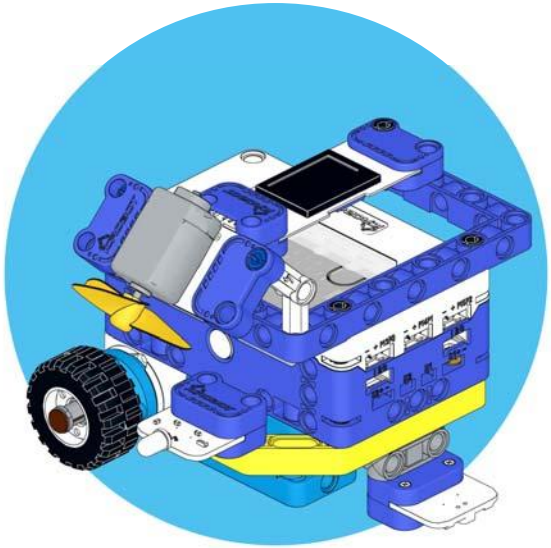
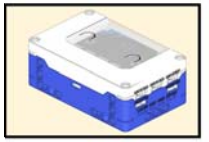
micro: bit

Building Steps

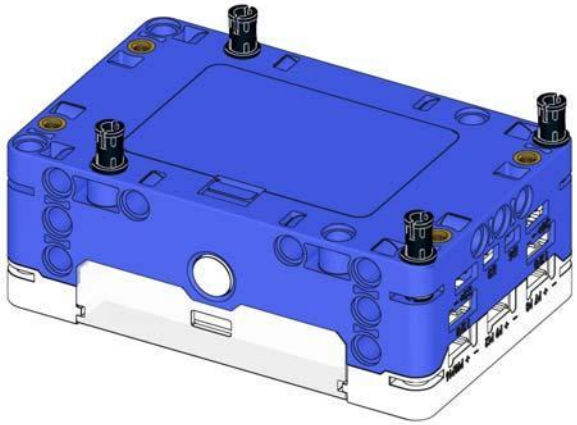


Smart Firefighting



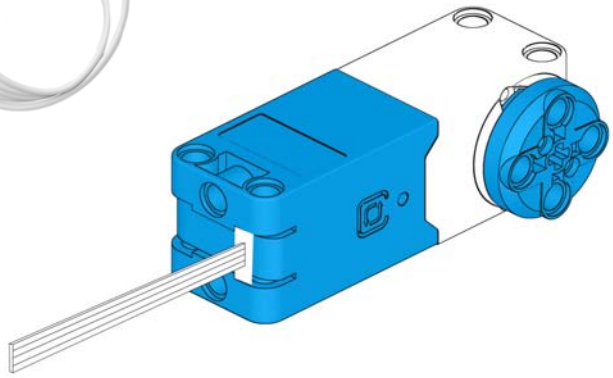


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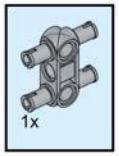


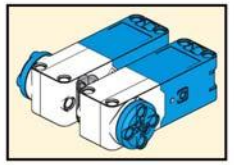


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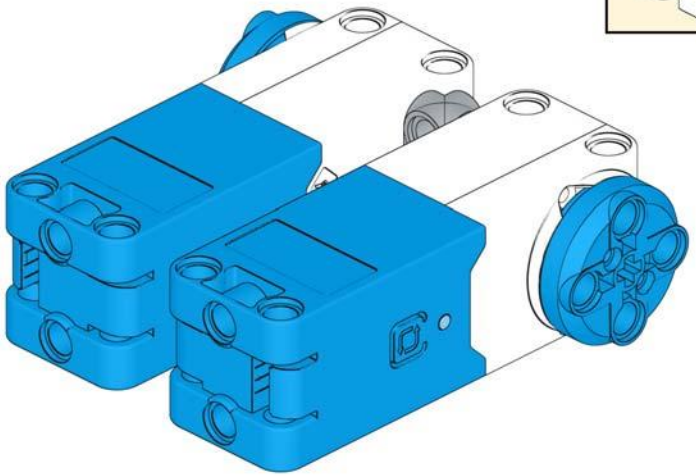


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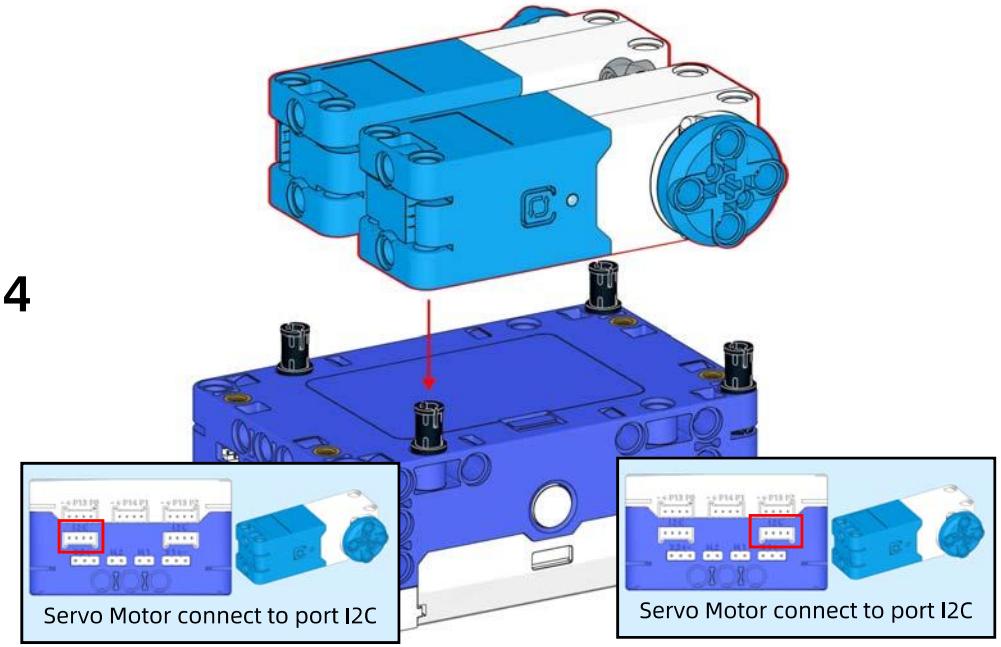




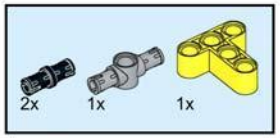
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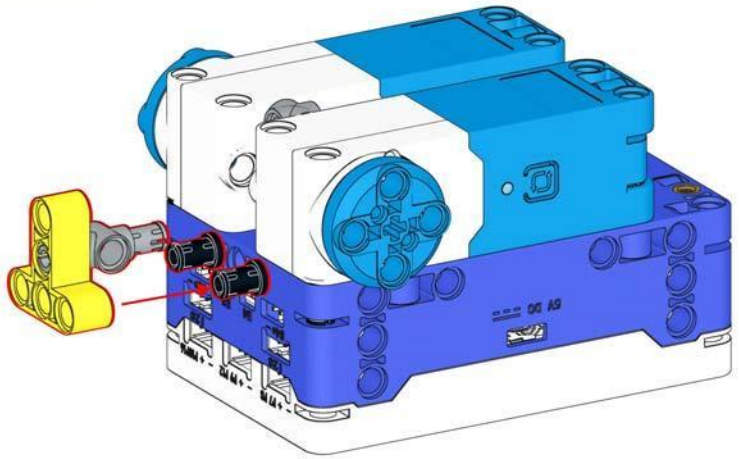


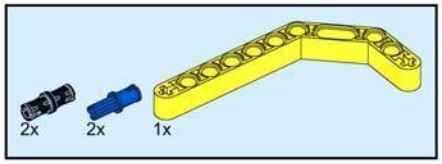
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Servo Motor connect to port I2C
Servo Motor connect to port I2C

5

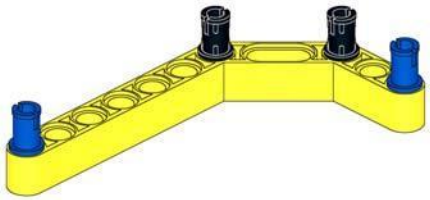

2x
1x
1x

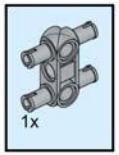



2x
2x
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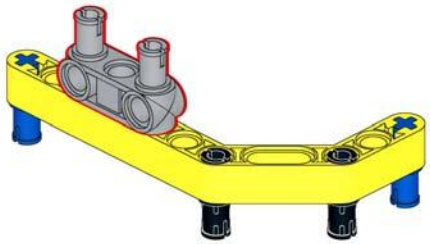


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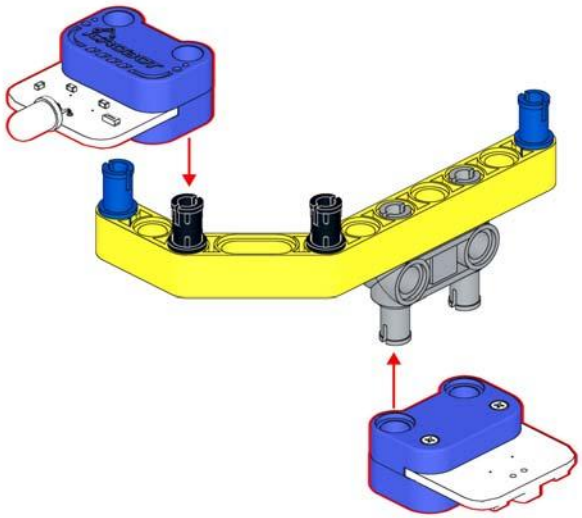



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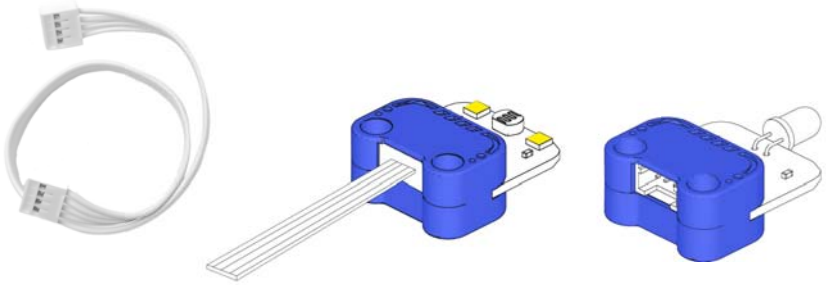
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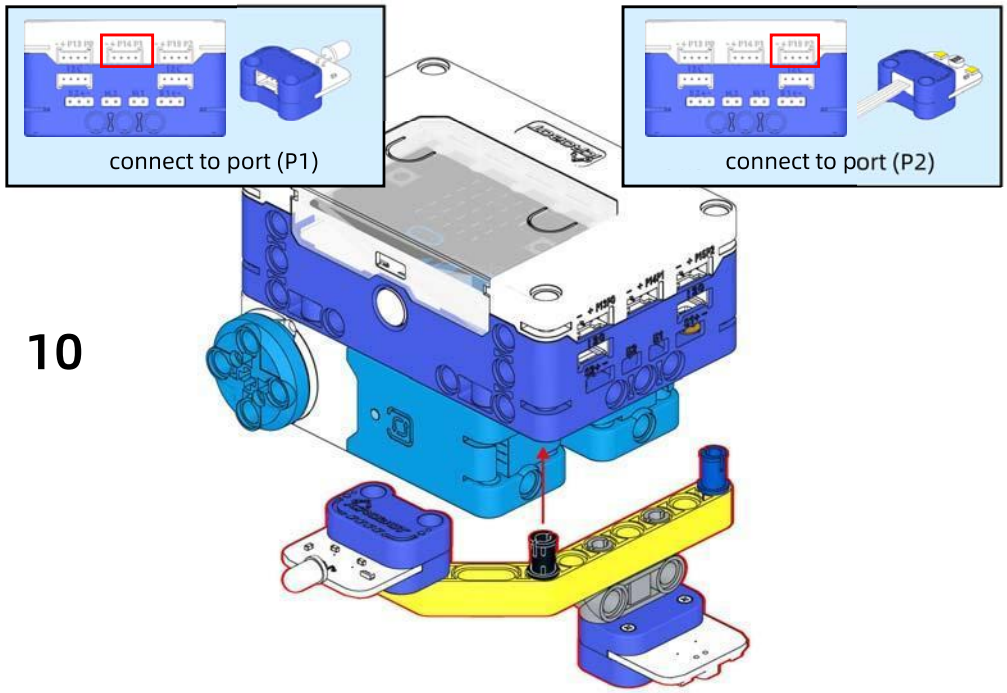


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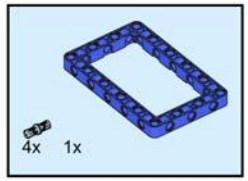


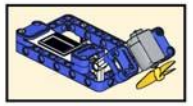
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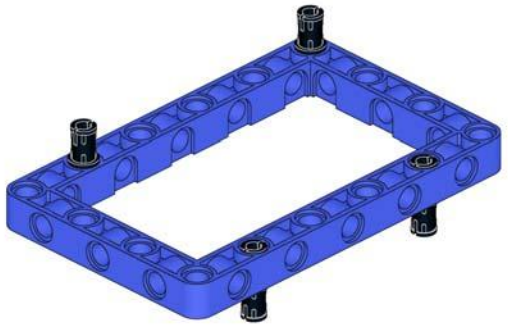
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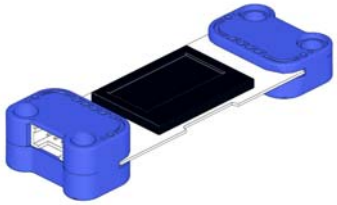






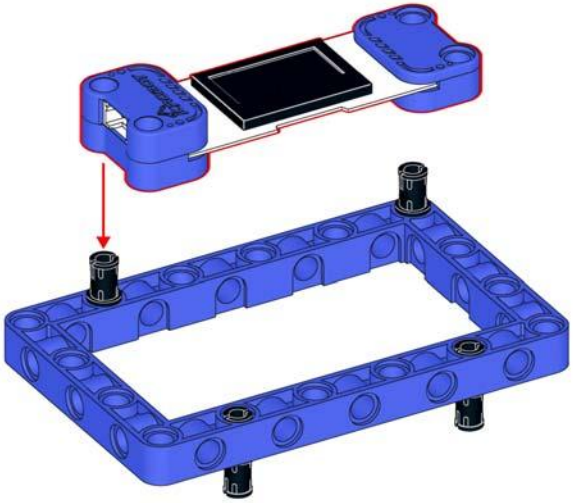
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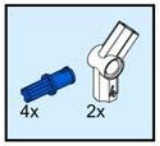


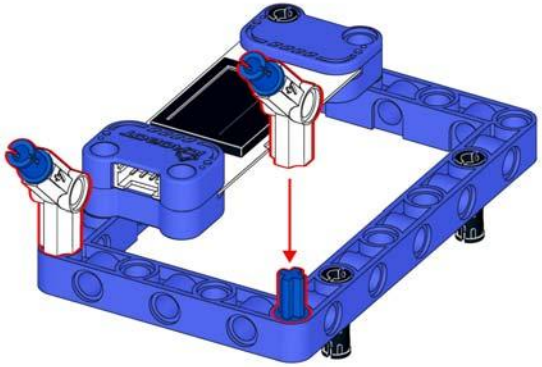
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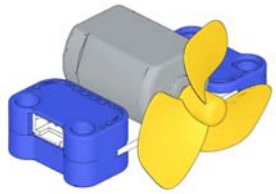
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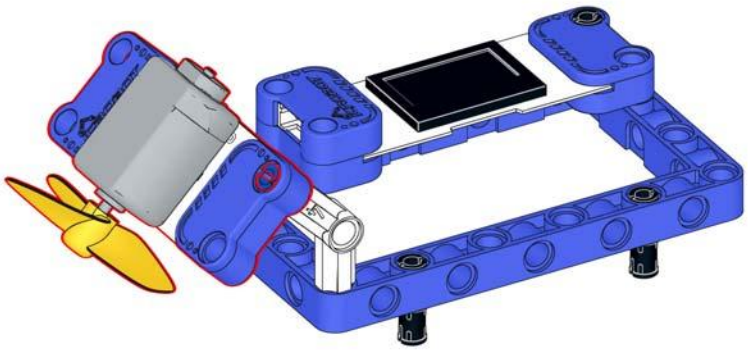
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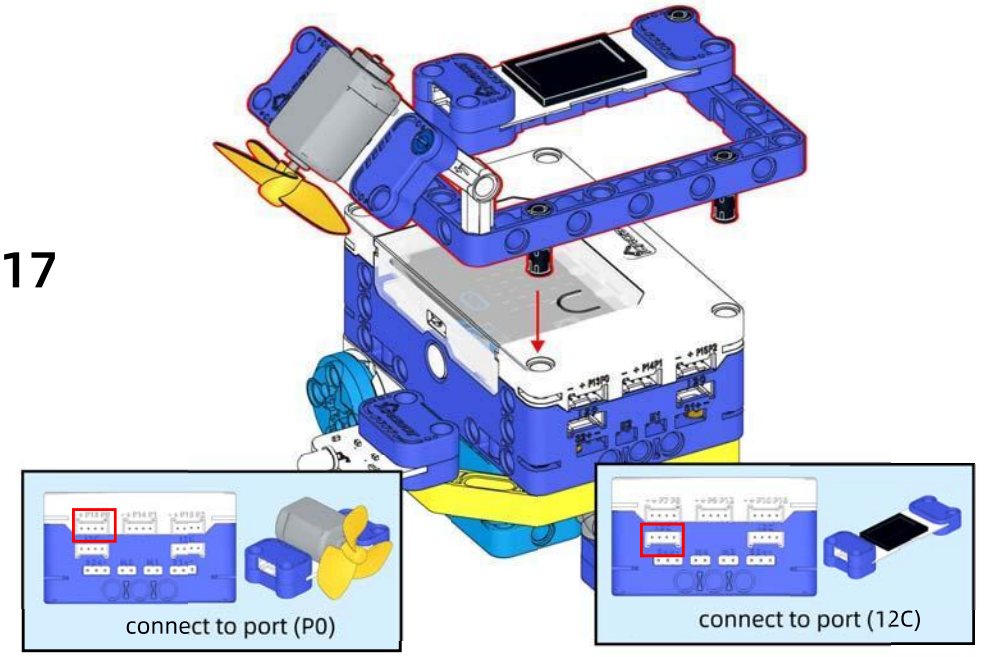


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16



17

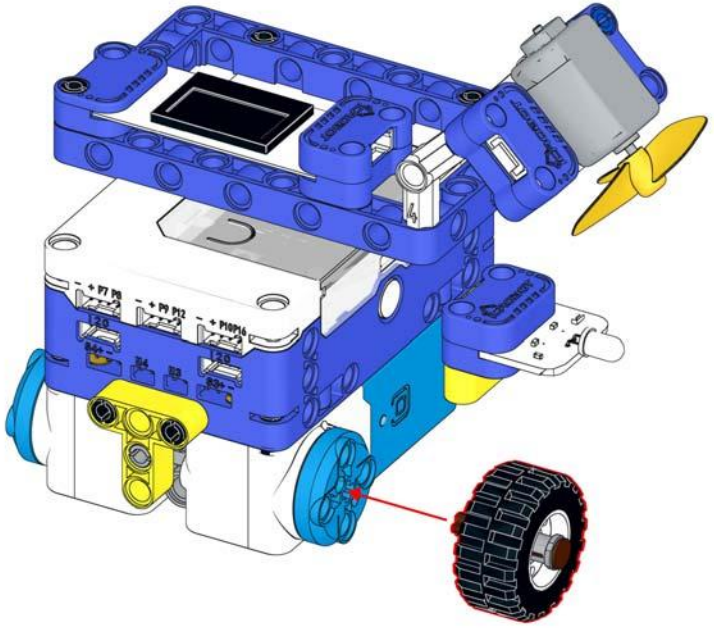


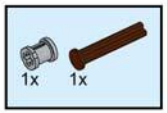


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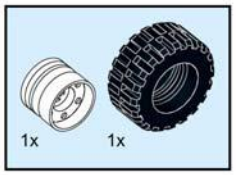


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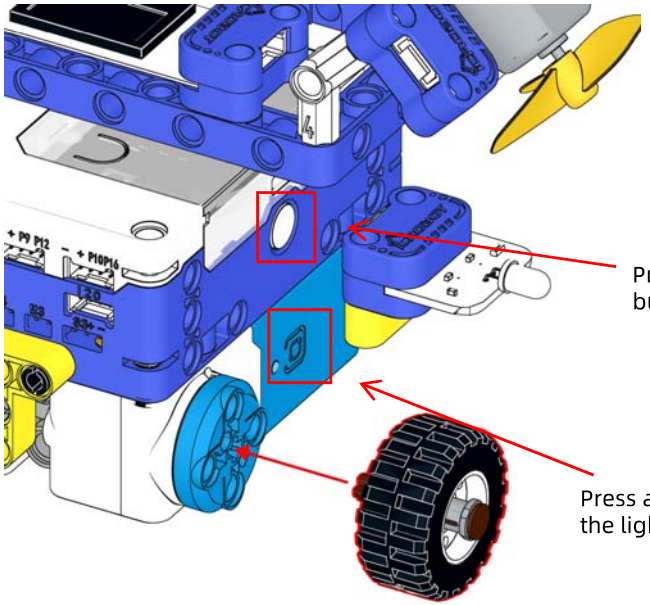




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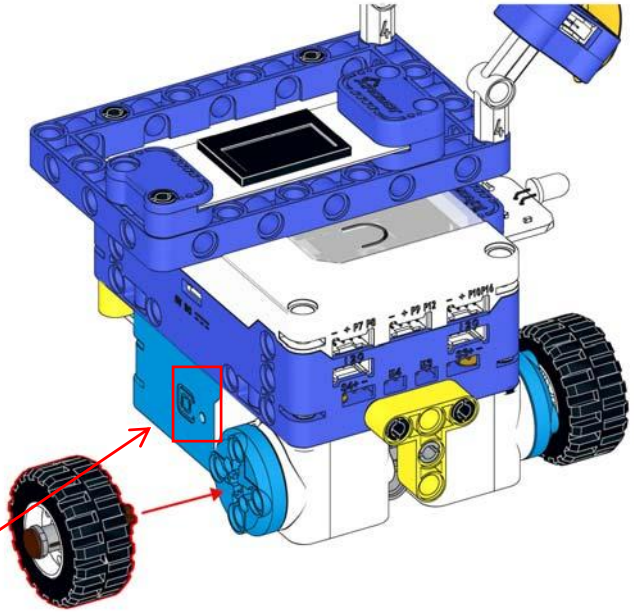


21

Press and hold the power button for 3s to power on.

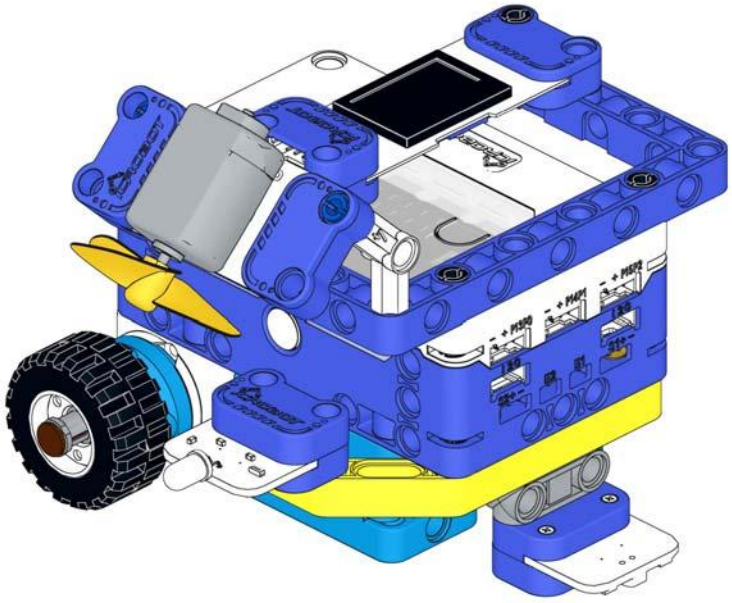
Press and hold the mode button until the light turns red, then release.

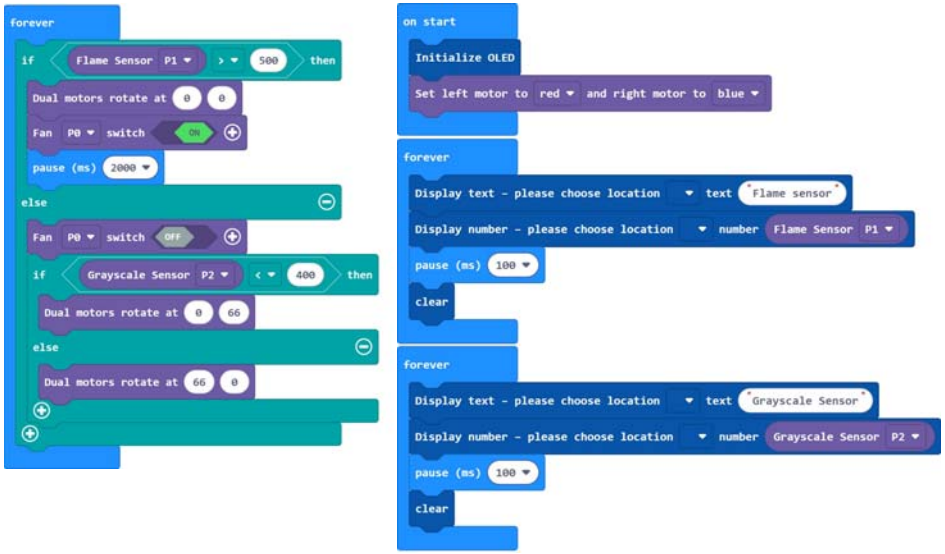
22



Press and hold the mode button until the light turns blue, then release.

23




forever
if Flame Sensor P1 > 500 then
Dual motors rotate at 0 0
Fan P0 switch ON
pause (ms) 2000
else
Fan P0 switch OFF
if Grayscale Sensor P2 < 400 then
Dual motors rotate at 0 66
else
Dual motors rotate at 66 0
on start
Initialize OLED
Set left motor to red and right motor to blue
forever
Display text - please choose location text "Flame sensor"
Display number - please choose location number Flame Sensor P1
pause (ms) 100
clear
forever
Display text - please choose location text "Grayscale Sensor"
Display number - please choose location number Grayscale Sensor P2
pause (ms) 100
clear