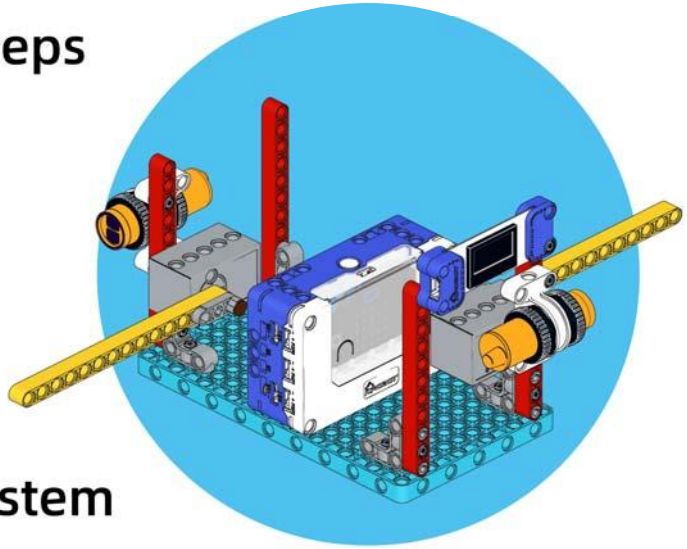
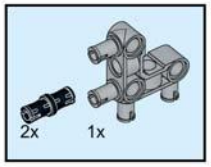
micro: bit

Building Steps



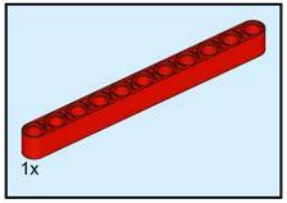
Parking System



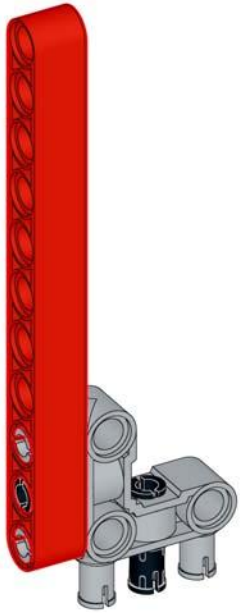


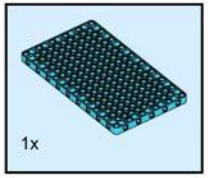
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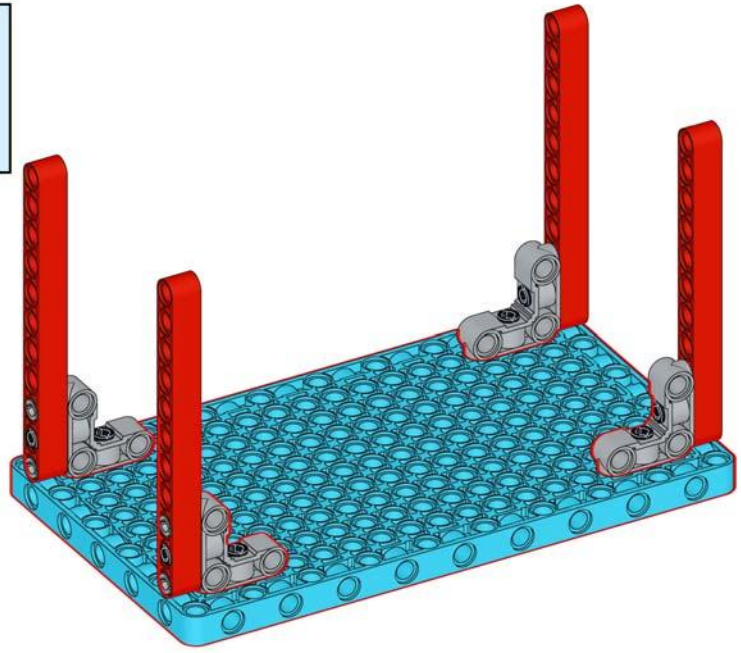


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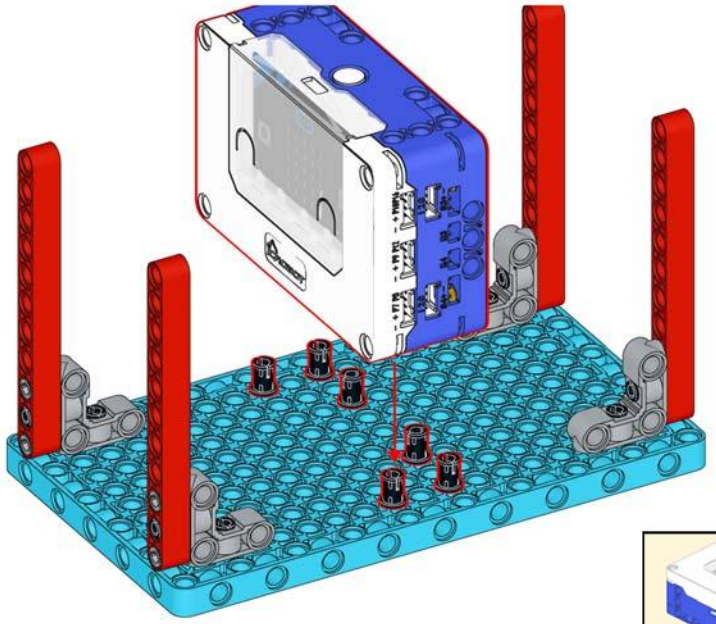


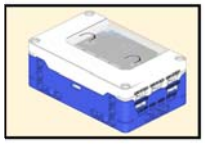
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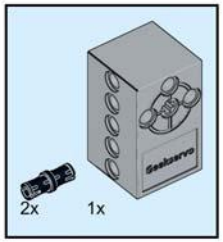




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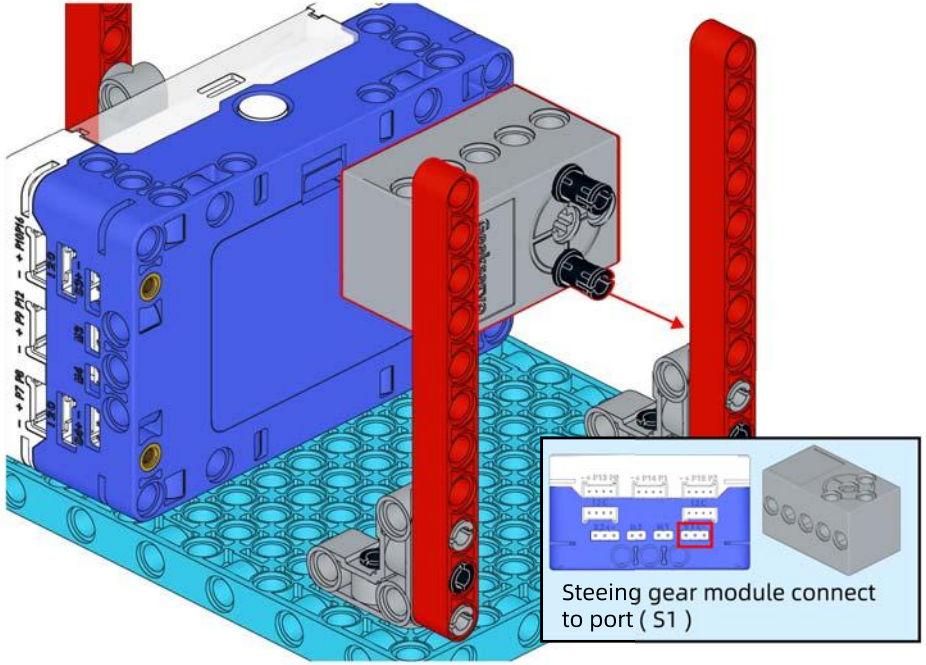
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X2

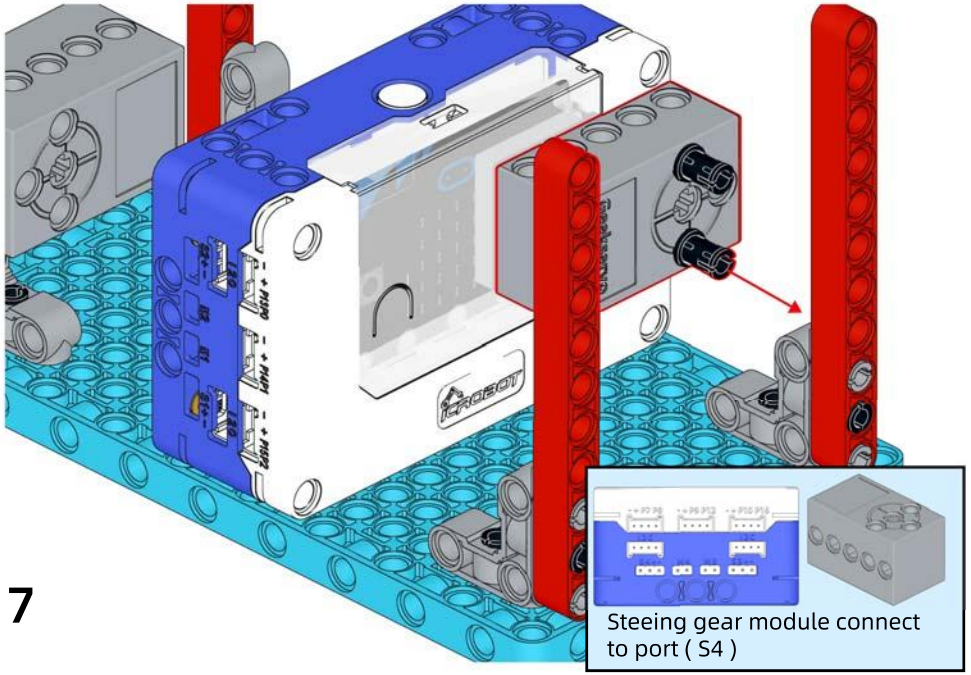


6



Steeing gear module connect
to port (S1)

7



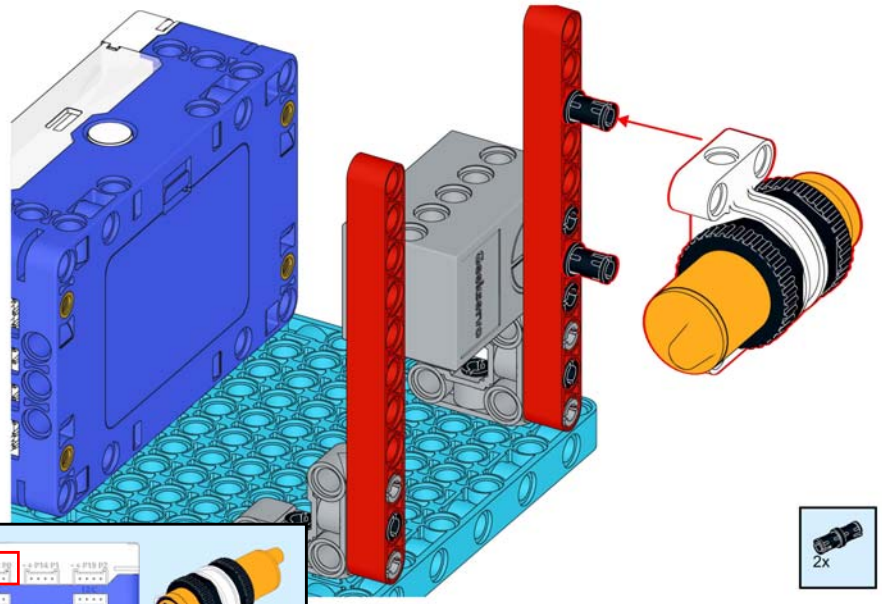
Steeing gear module connect
to port (S4)



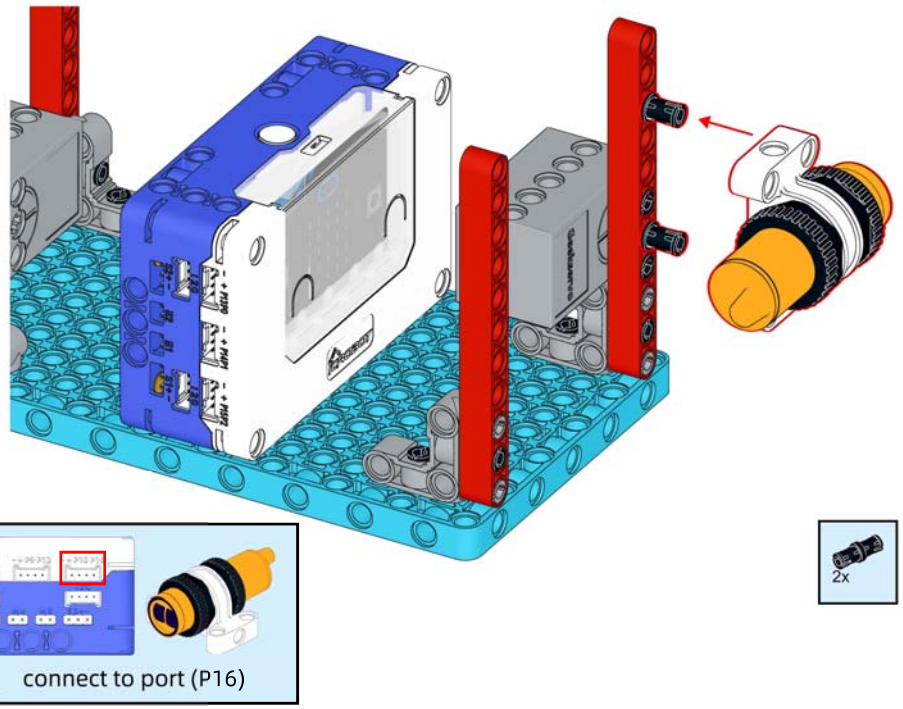


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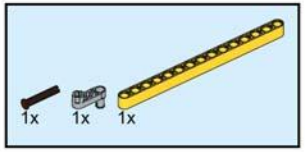
Please connect the data cable.



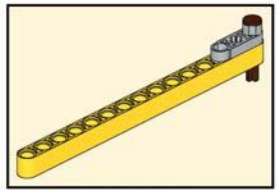
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10



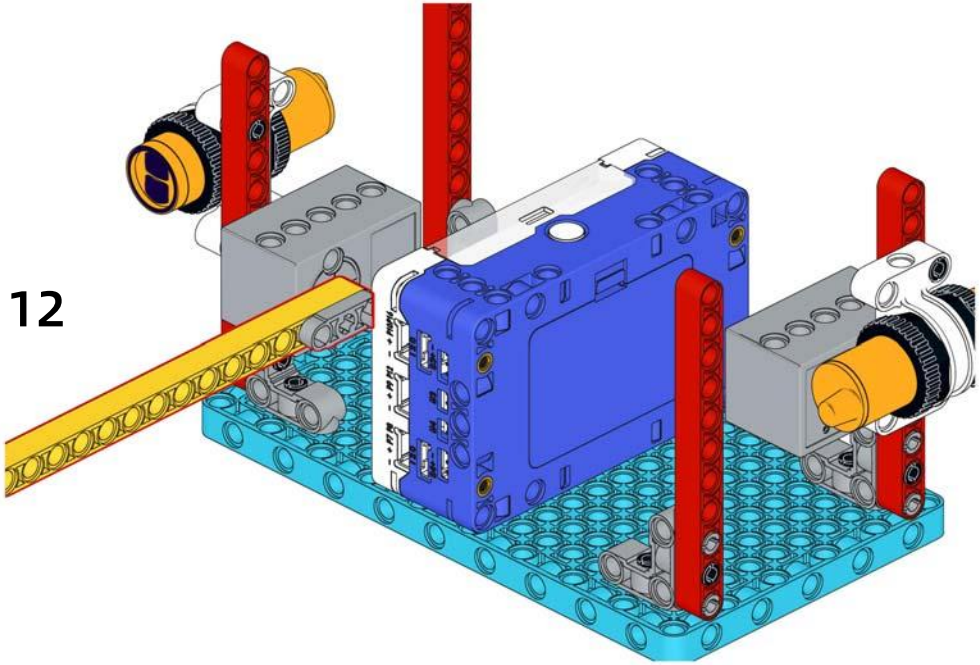




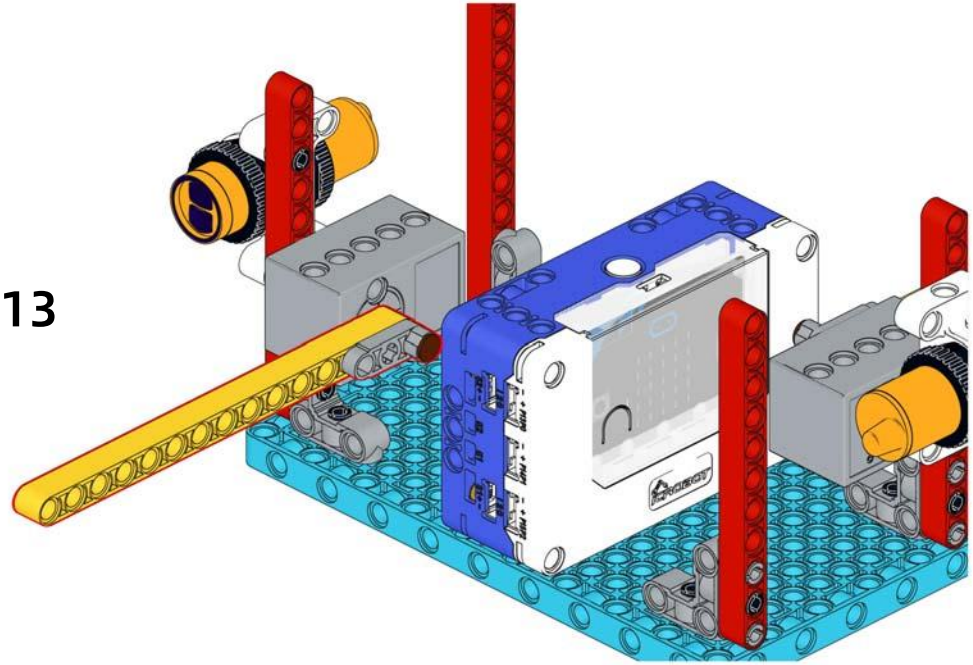
X2

11

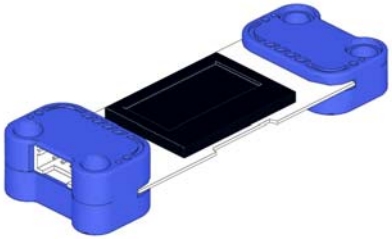
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13



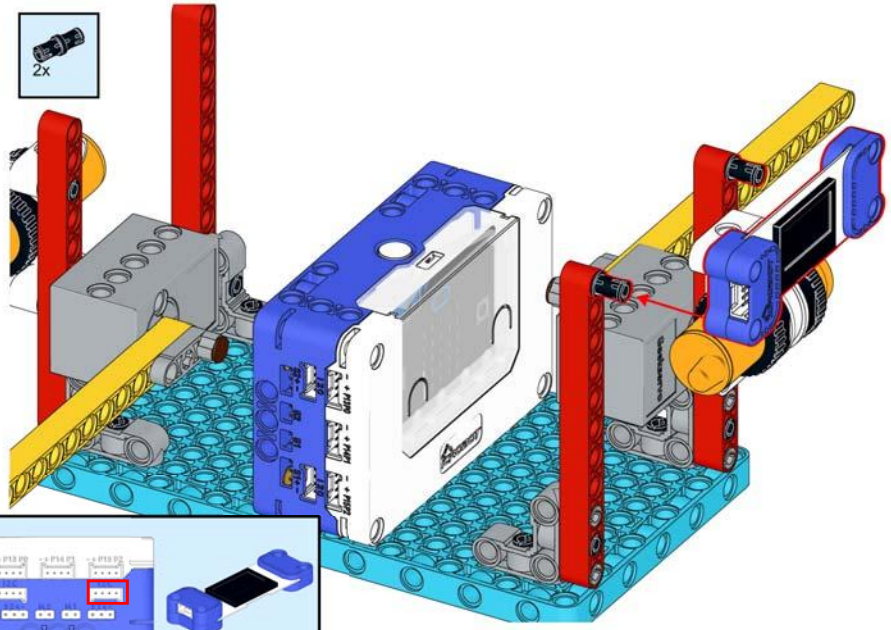




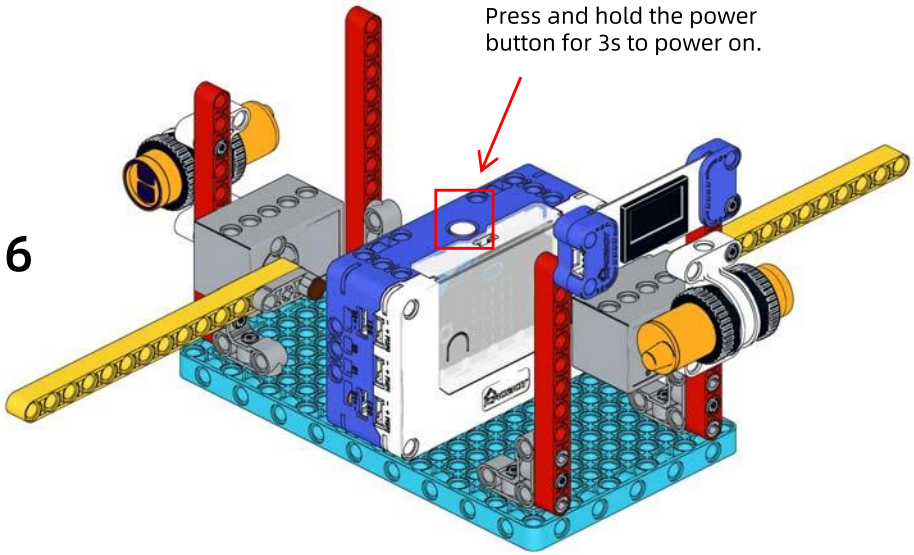
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Please connect the data cable.

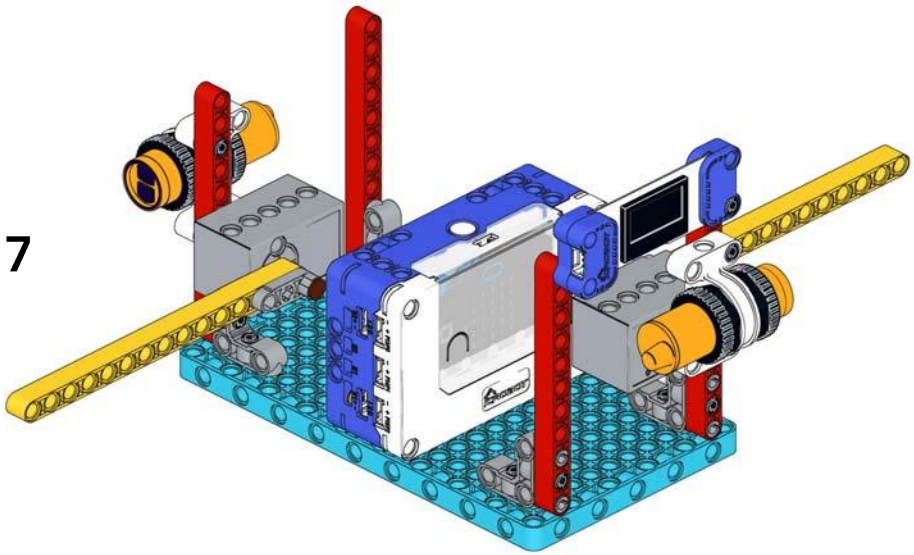
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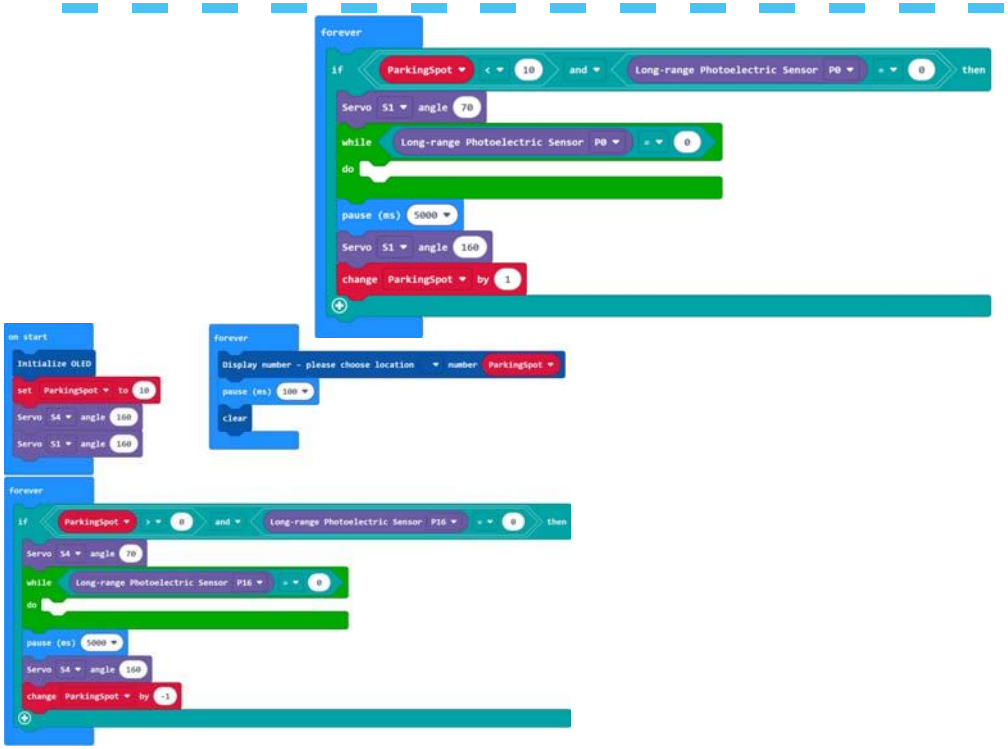


16


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

17




forever
if ParkingSpot < 10 and Long-range Photoelectric Sensor P0 = 0 then
Servo S1 angle 70
while Long-range Photoelectric Sensor P0 = 0
do
pause (ms) 5000
Servo S1 angle 160
change ParkingSpot by 1
on start
Initialize OLED
set ParkingSpot to 10
Servo S4 angle 160
Servo S1 angle 160
forever
Display number - please choose location number ParkingSpot
pause (ms) 100
clear
forever
if ParkingSpot > 0 and Long-range Photoelectric Sensor P16 = 0 then
Servo S4 angle 70
while Long-range Photoelectric Sensor P16 = 0
do
pause (ms) 5000
Servo S4 angle 160
change ParkingSpot by -1