

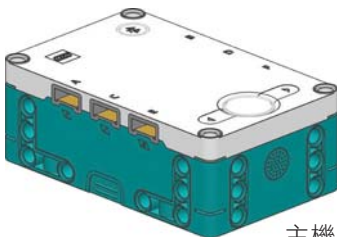
暖身

本書沒有一步步的組裝流程。反之，您會看到作品的不同角度照片，試試看就這樣把它做出來。這樣的組裝方式就好像在拼拼圖。您很快就會習慣這樣的作法並樂在其中！先來練習一下吧！

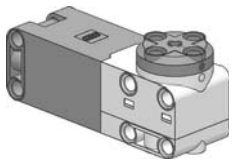
#1

這個數字代表作品編號

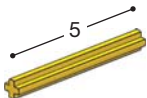
這個作品要用到的所有零件都會列在這裡。從手邊的零件找到它們，開始動手吧！



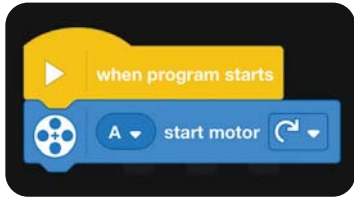
主機



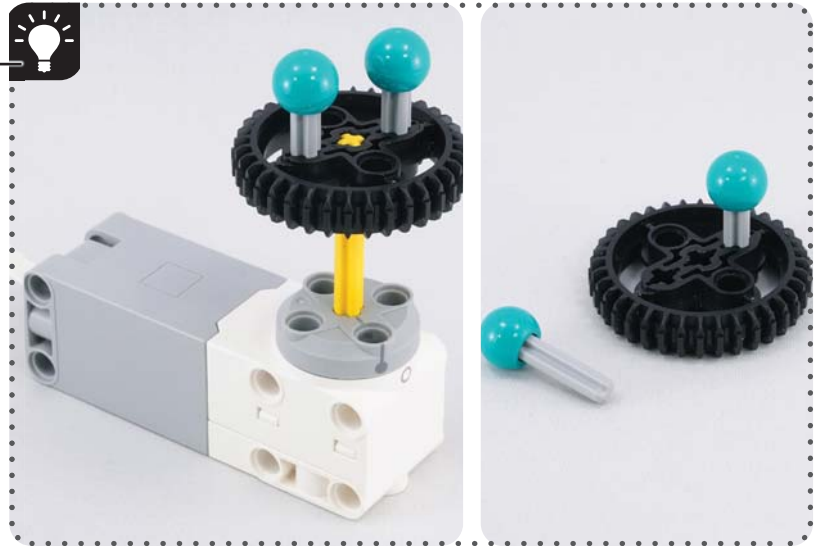
馬達



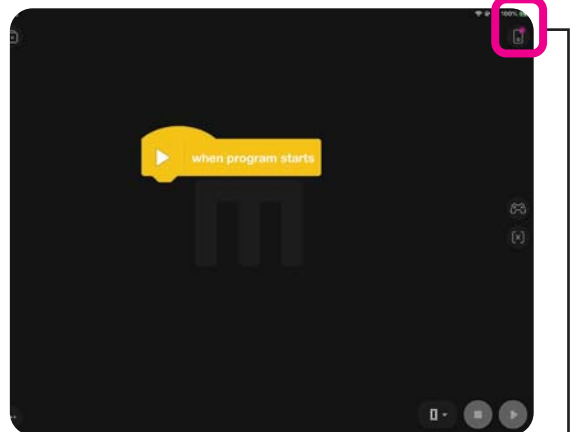
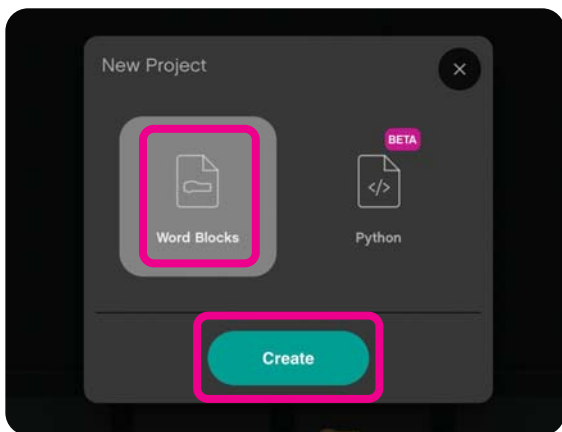
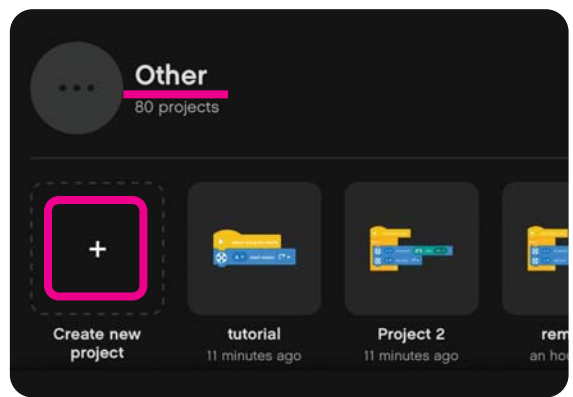
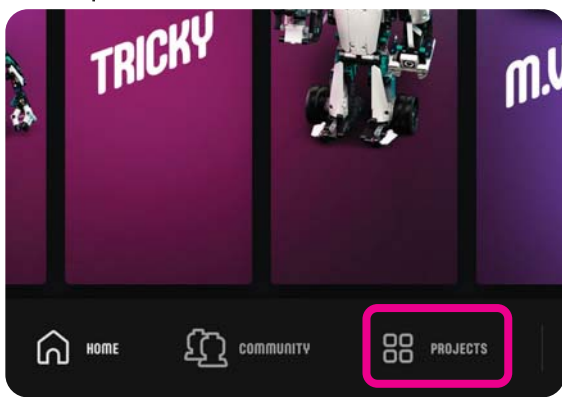
準備好零件之後，請根據書中的照片把各個模型做出來。想要更快完成的話，可以把你的作品擺得和照片中一樣的位置與角度，就可以邊做邊比對了。



這個程式可以讓模型動起來。請根據以下步驟來編寫一個新的程式。



這個小圖案代表提示，提供製作模型或寫程式的另一種方法。運用這些提示，試著做出獨特又有趣的作品。請注意提示中所用到的零件並未列在各專題的零件清單中。

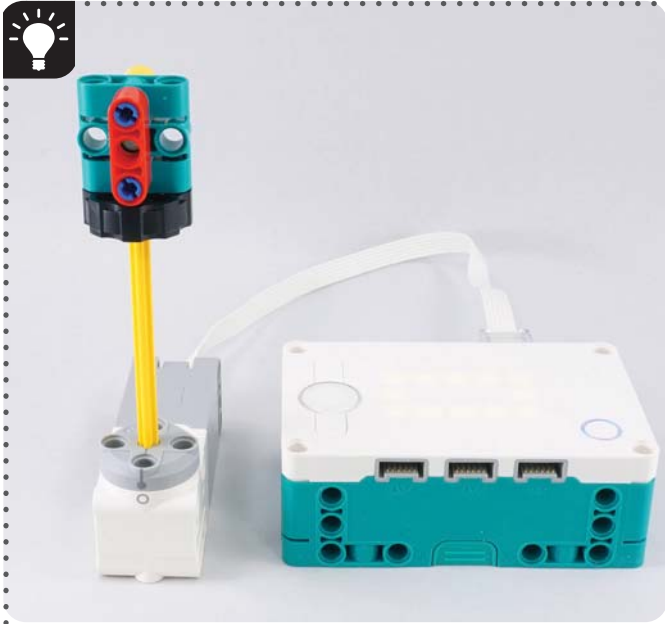


請注意，畫面可能根據程式版本而有所不同。

如果主機與你的平板電腦 / 智慧型手機尚未連線的話，請由此來建立連線。

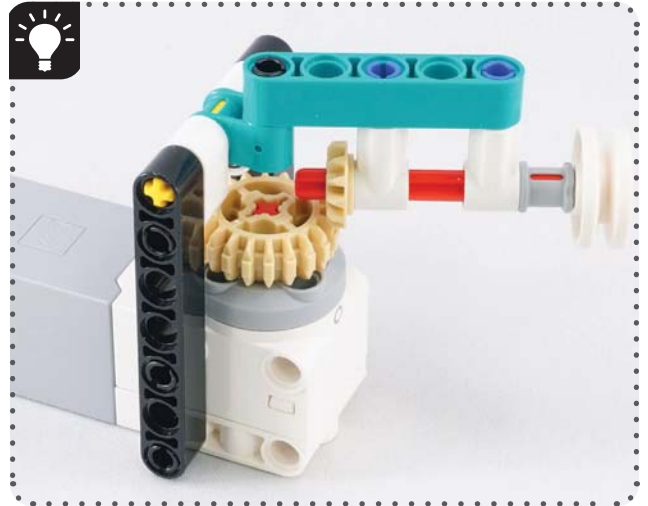
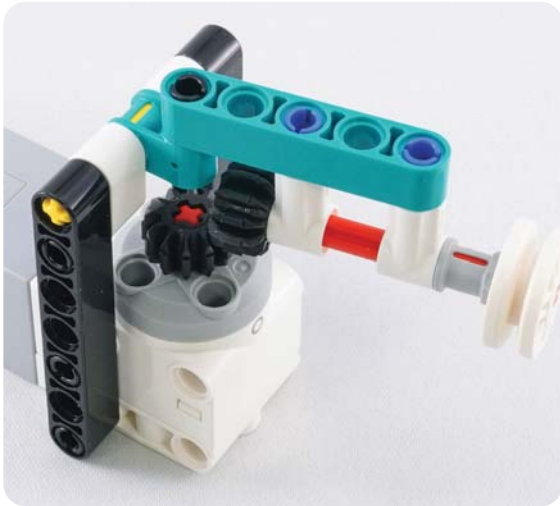
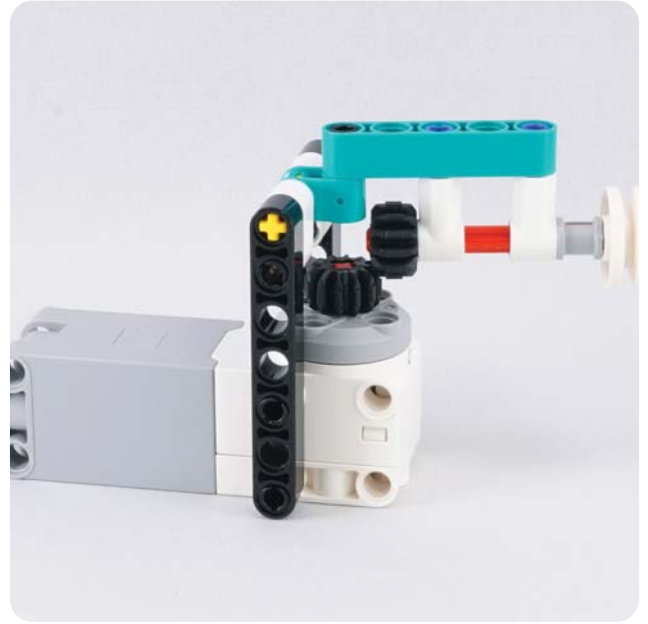
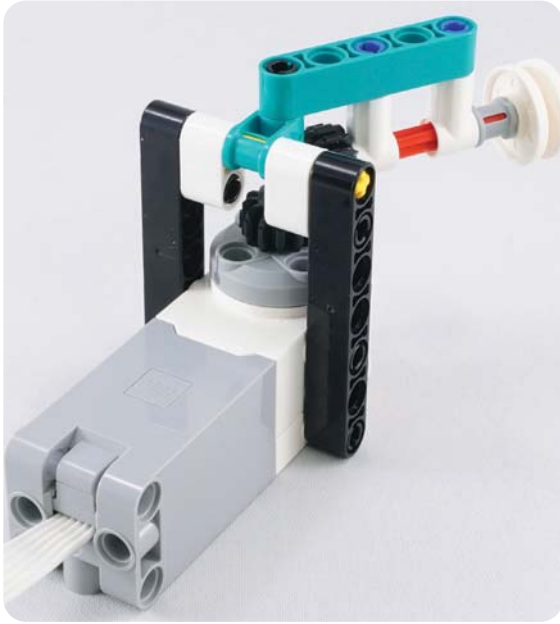
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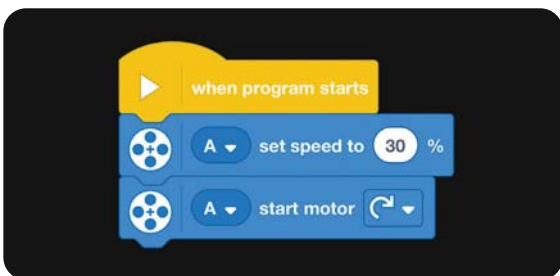
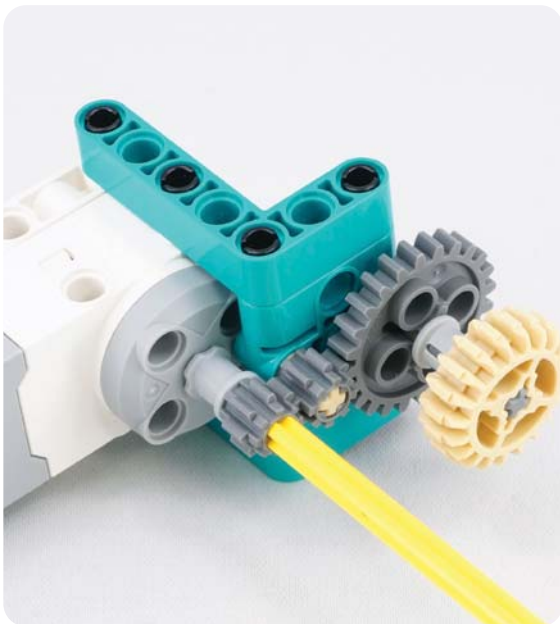
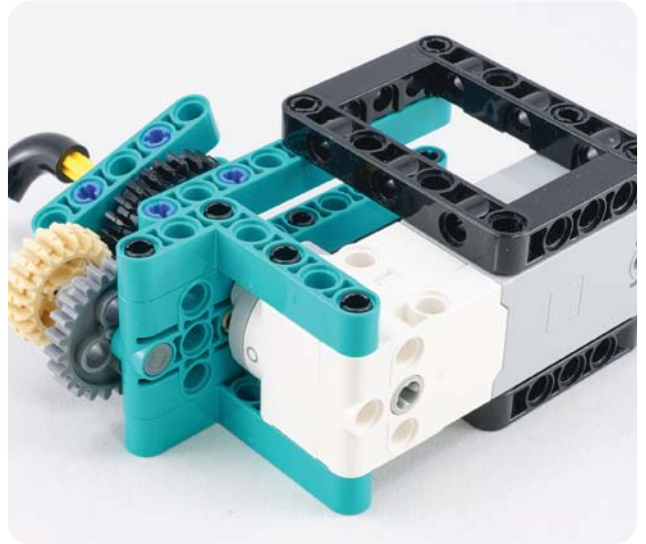
when program starts
  forever
    A run for 90 degrees
    A run for 90 degrees
  
```

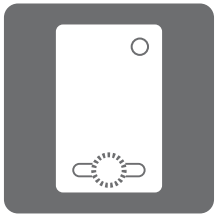


```

when program starts
  forever
    A run for 120 degrees
    A run for 120 degrees
  
```

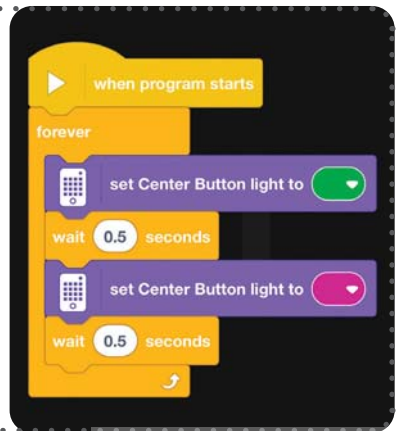
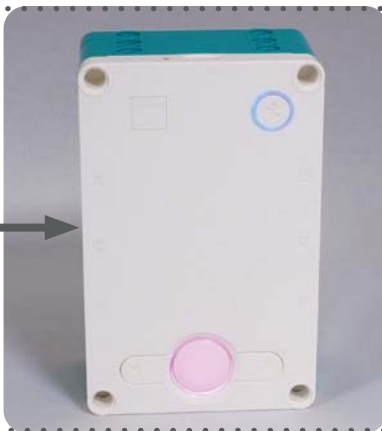
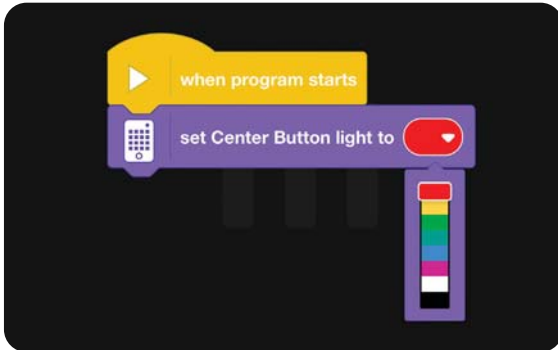
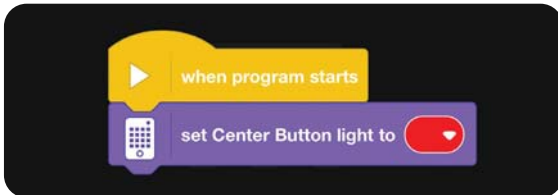
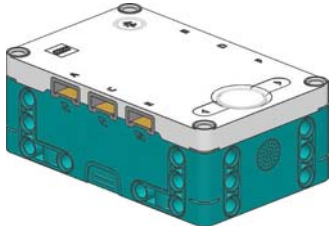




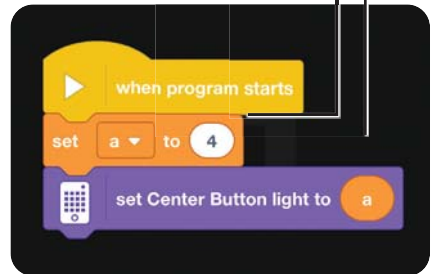
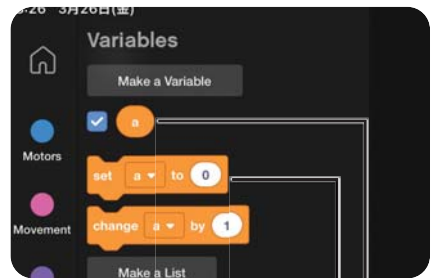
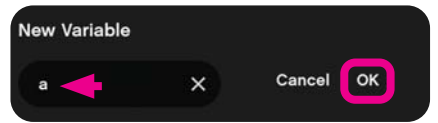
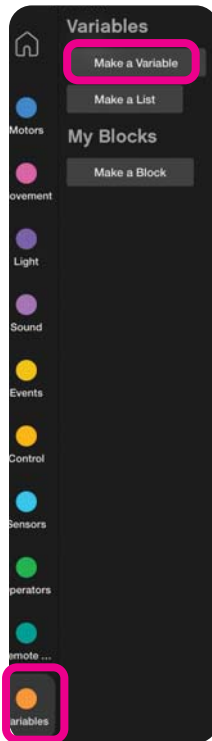
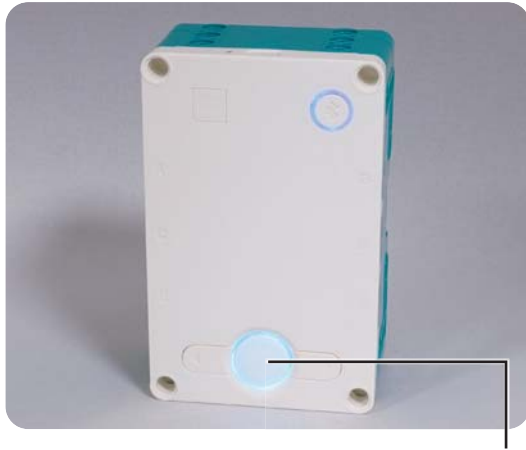
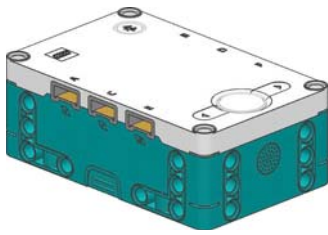


點亮中央按鈕

#40



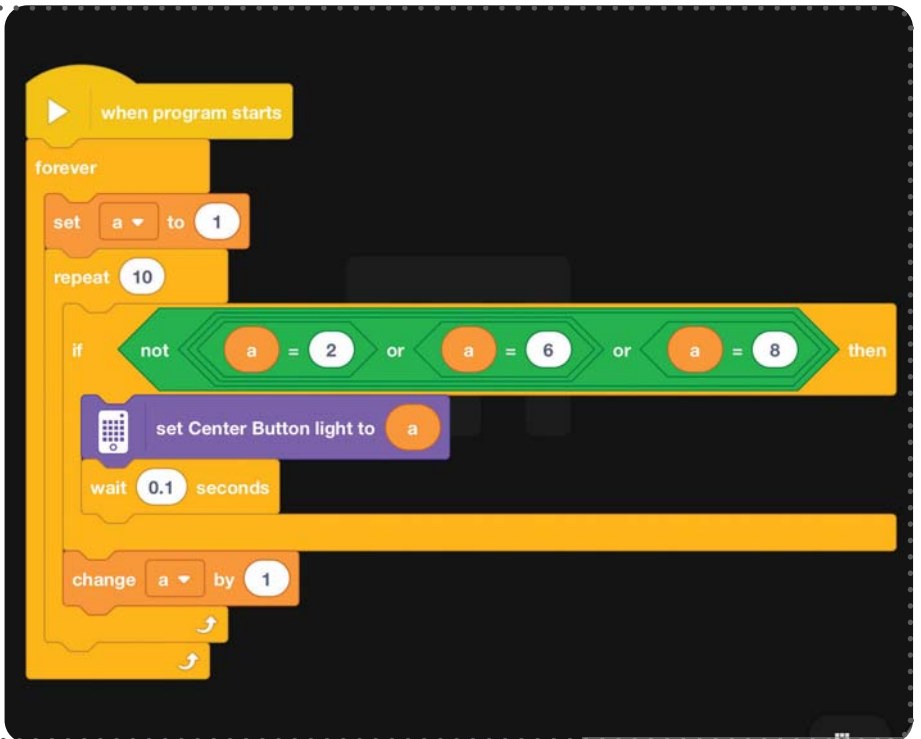
#41

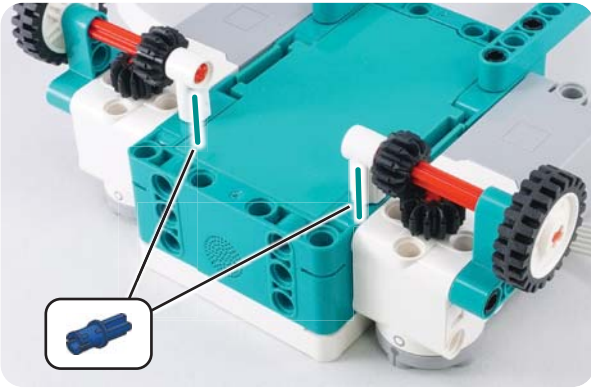


0	1	2	3	4	5	6	7	8	9	10



這個程式會讓按鈕依序亮起不同的顏色，除了黑色（不亮）以外。





when program starts

- set movement motors to A+B

when D-pad D1 no button is pressed

- stop moving

when D-pad D1 up button is pressed

- set movement speed to 50 %
- start moving straight: 0

when D-pad D1 down button is pressed

- set movement speed to -50 %
- start moving straight: 0

when D-pad D1 left button is pressed

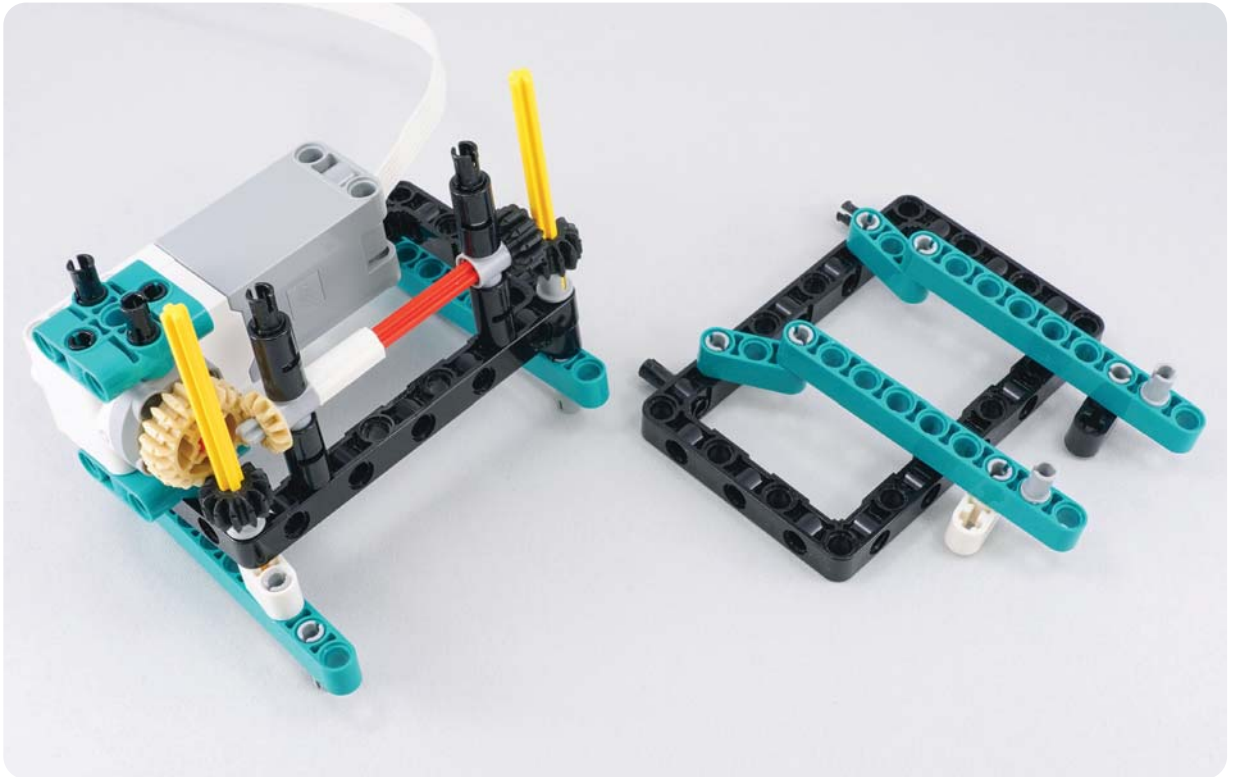
- set movement speed to 50 %
- start moving left: -100

when D-pad D1 right button is pressed

- set movement speed to 50 %
- start moving right: 100

設定遙控器的詳細作法請參考第 60 頁。

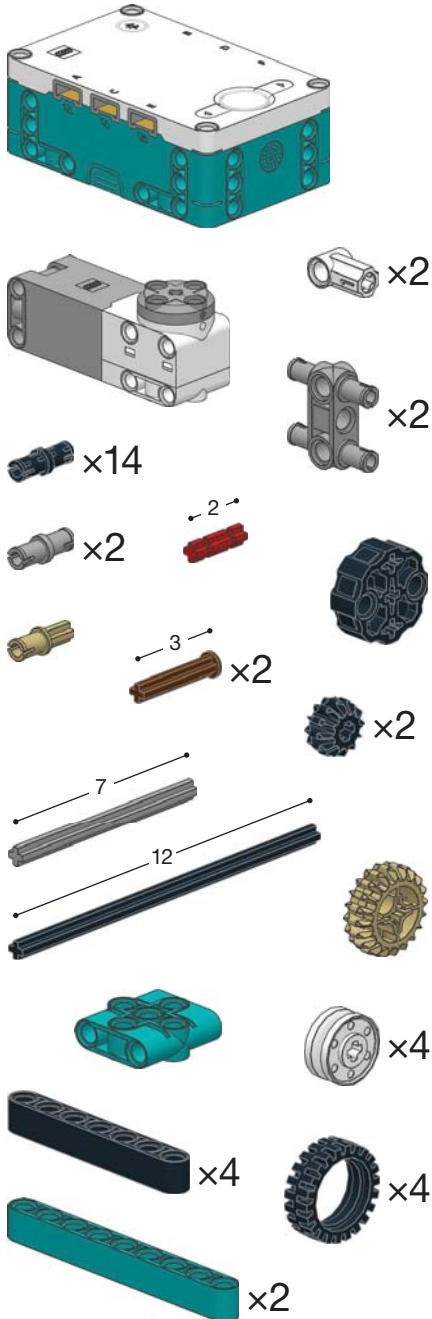


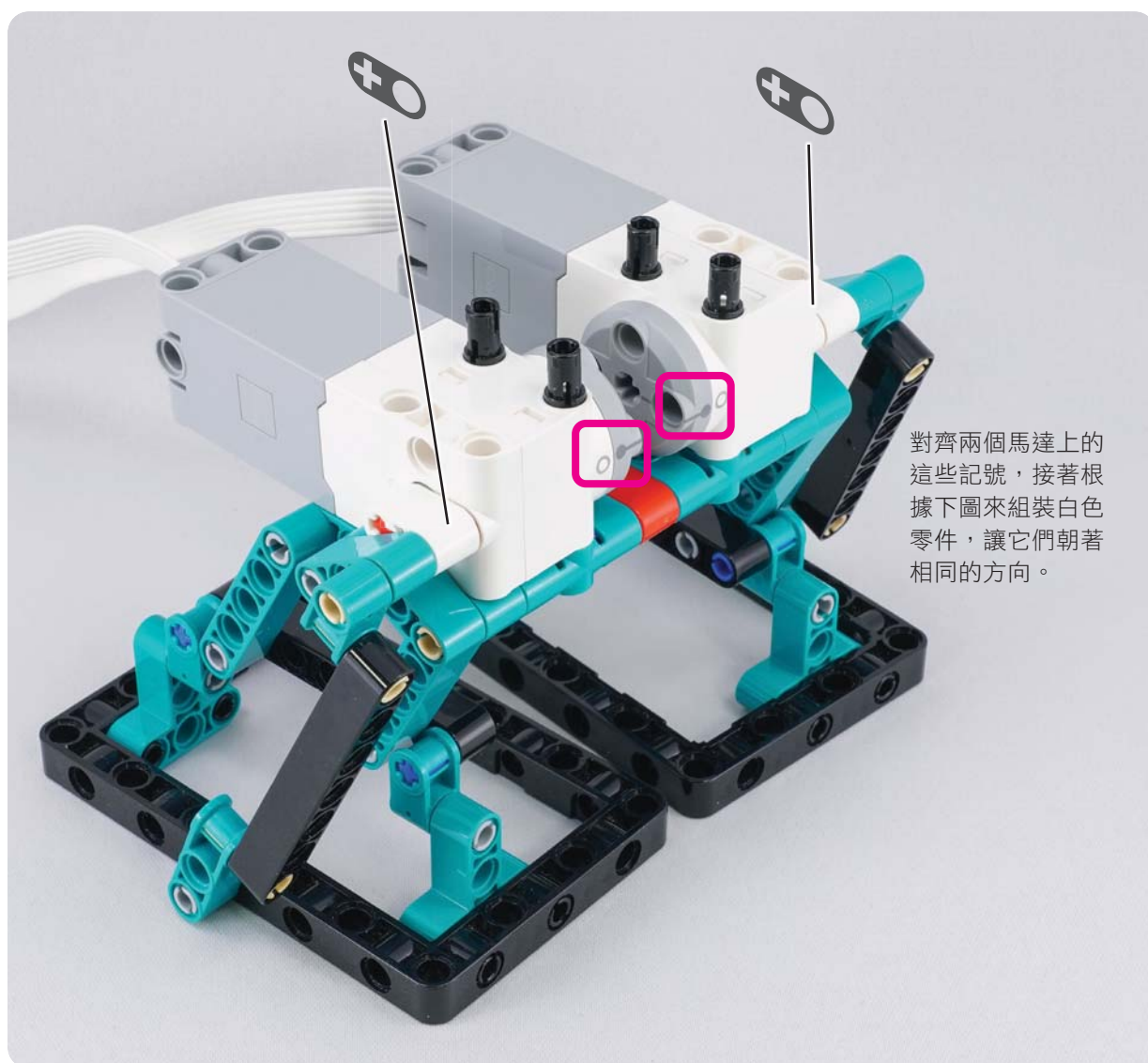
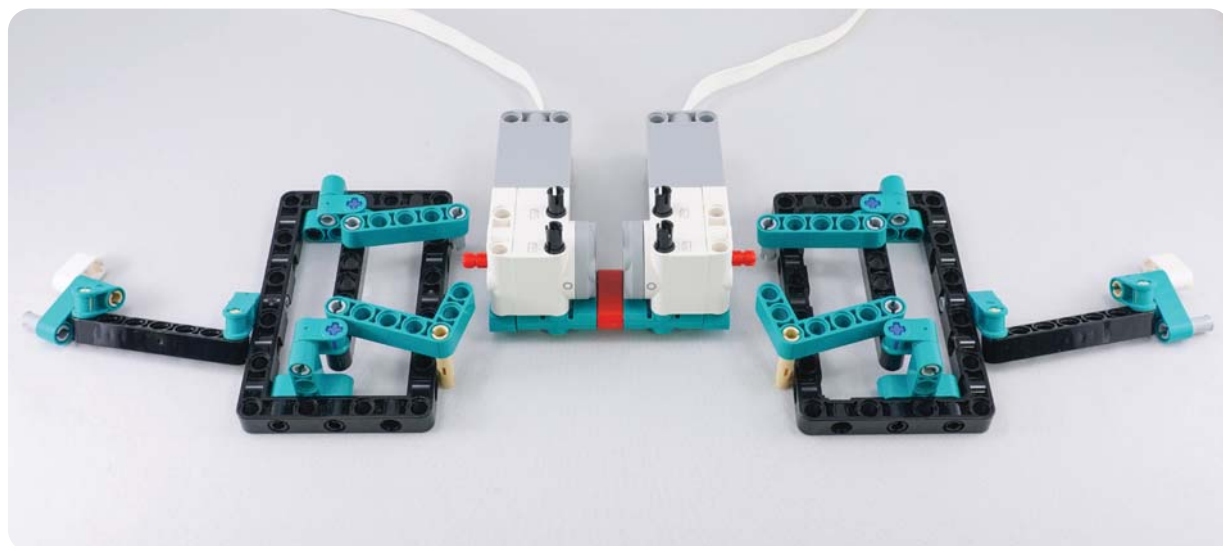




各種可動機構

#98





對齊兩個馬達上的這些記號，接著根據下圖來組裝白色零件，讓它們朝著相同的方向。



調整這些數字會讓左右兩邊的腳輪流踏步。

```

when program starts
  turn on [LEDs]
  A+B set speed to 20 %
  A go shortest path to position 0
  B go shortest path to position 180
  A start motor
  B start motor
  
```



前進

左轉

前進

右轉

前進

```

when program starts
  turn on [LEDs]
  A+B set speed to 20 %
  A go shortest path to position 0
  B go shortest path to position 180
  A start motor
  B start motor
  wait 5 seconds
  A go shortest path to position 90
  B go shortest path to position 90
  A start motor
  B start motor
  wait 10 seconds
  A go shortest path to position 0
  B go shortest path to position 180
  A start motor
  B start motor
  wait 5 seconds
  A go shortest path to position 90
  B go shortest path to position 90
  A start motor
  B start motor
  wait 10 seconds
  A go shortest path to position 0
  B go shortest path to position 180
  A start motor
  B start motor
  wait 5 seconds
  A+B stop motor
  
```