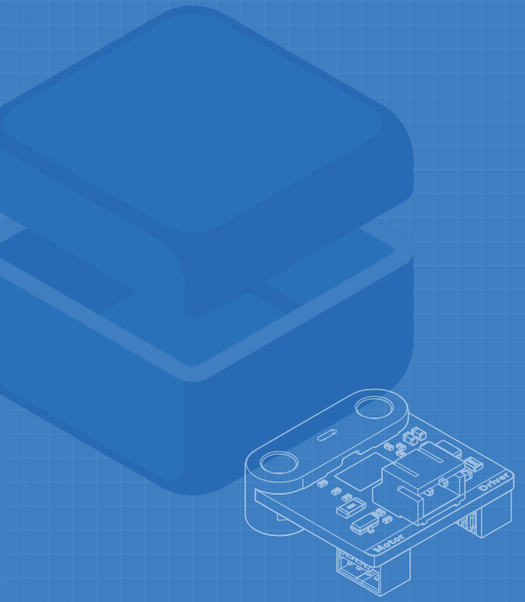
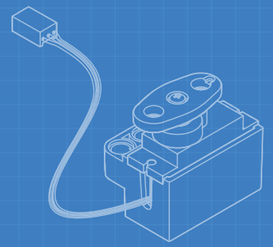


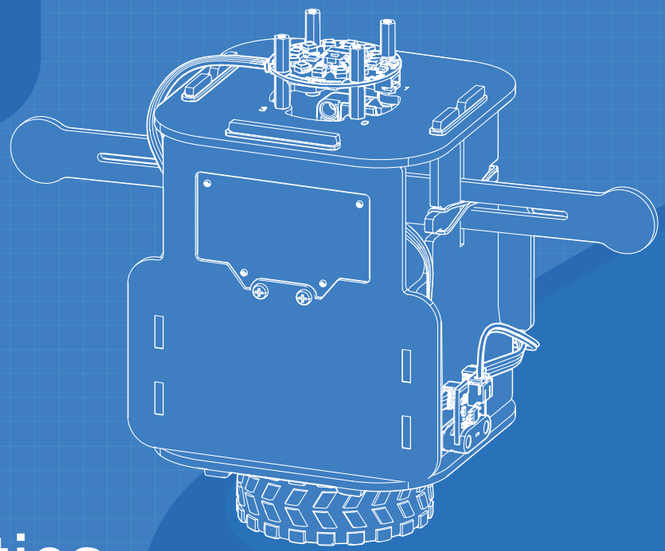
makeblock



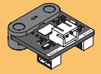
Box 8

Bouwinstructies

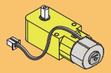
Companion Robot



Zoek de juiste onderdelen bij elkaar.



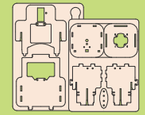
Motor driver



Motor

Aansluitkabel (10 cm)

Dit heb je nodig:



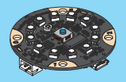
Houten figuren

Klinknagel

Bout M3*30

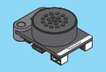
Groot wiel

Zoek ook de volgende onderdelen bij elkaar:



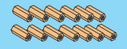
Halocode

Power module



Speaker

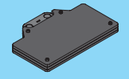
Servo driver



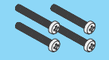
Moer M3*12

Elastiekjes

Servo



LED matrix



Bout M3*20

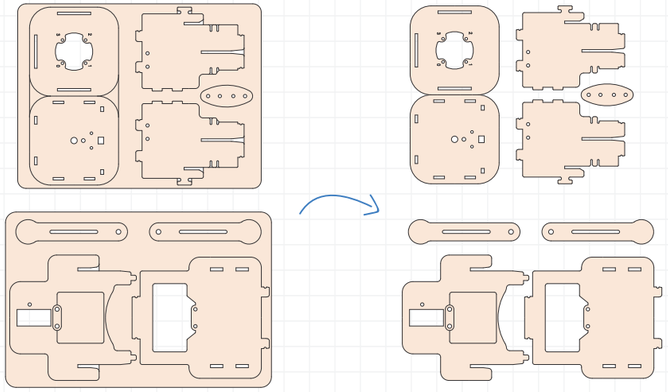
Bout M3*14

M4 adapter

Schuurpapier

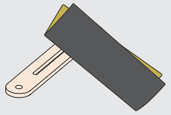
Aansluitkabel (10 cm)

1 Haal de figuren uit de houten plank.

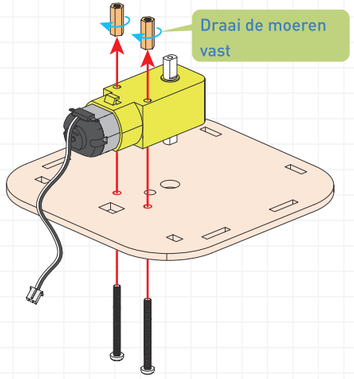


Tips

Gebruik het meegeleverde schuurpapier om de houten plank glad te schuren voordat je begint met de installatie.

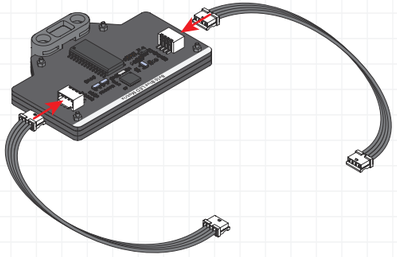


2 Installeer de motor.



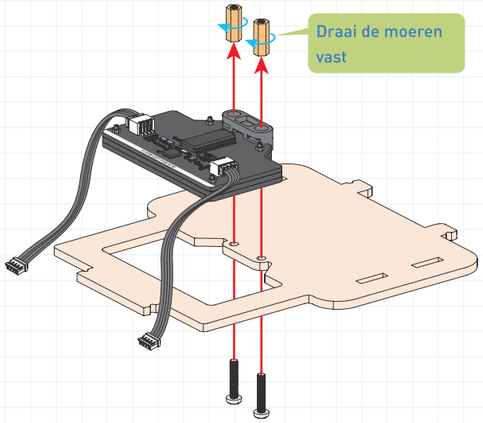
1:1	
✓	M3 *30mm
✗	M3 *14mm
✗	M3 *20mm

3 Steek de 10 cm aansluitkabels in de poorten aan beide zijden van de LED-matrix.



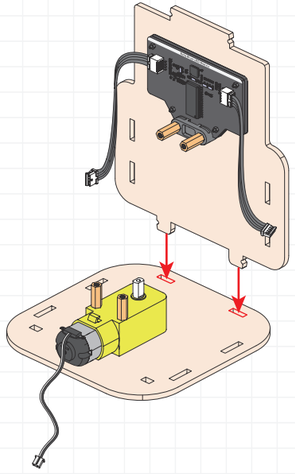
✓	10 cm
✗	20 cm

4 Bevestig de LED-matrix op het hout.

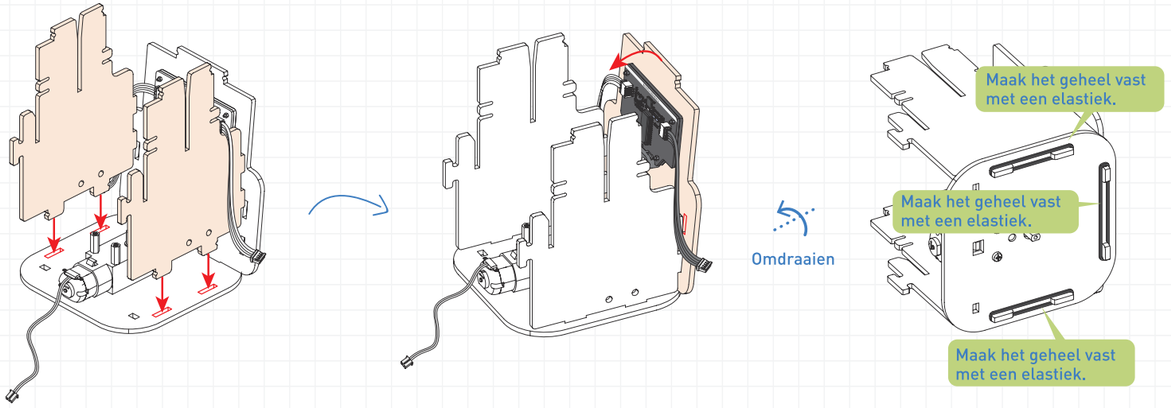


1:1	
✓	M3 *14mm
✗	M3 *20mm
✗	M3 *30mm

5 Verbind de twee houten figuren.



6 Installeer de houten figuren zoals afgebeeld en houd ze op hun plaats met 3 elastieken.

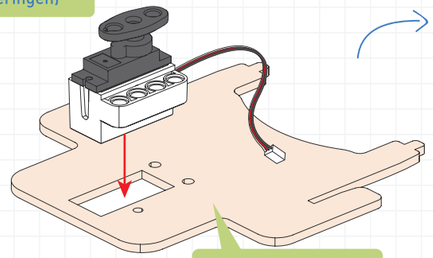


7 Installeer de servo.

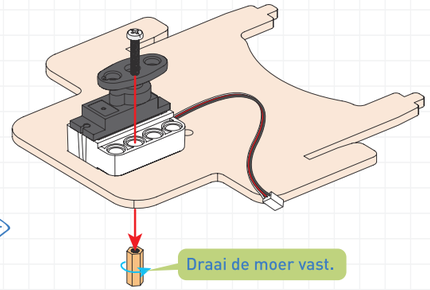
Zorg ervoor dat je de juiste zijde kiest als voorkant. De voorzijde heeft geen markeringen.

Voorkant (geen markeringen)

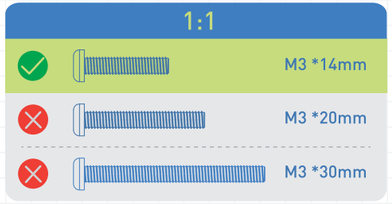
Achterkant (geen markeringen)



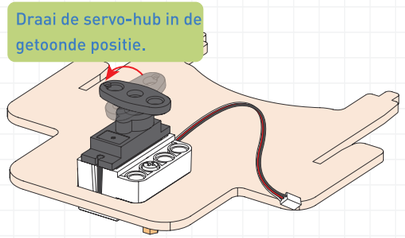
Hier is de ongemarkeerde zijde naar boven gericht.



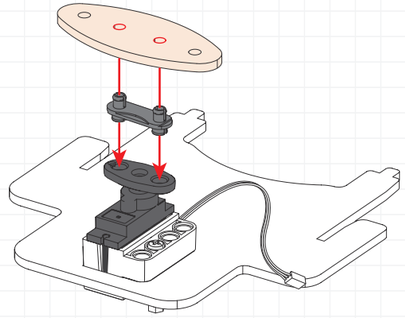
Draai de moer vast.

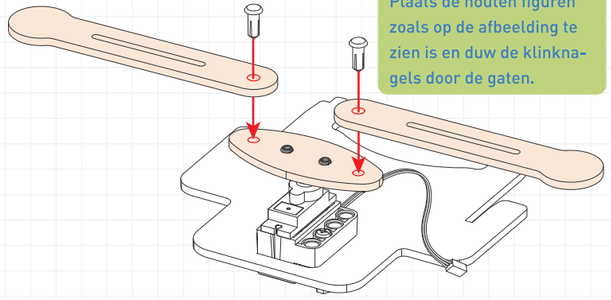


8 Monteer het houten figuur op de servo hub.



Draai de servo-hub in de getoonde positie.

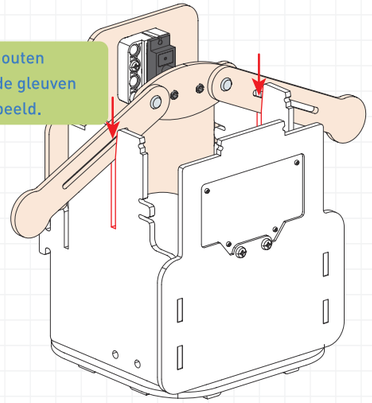




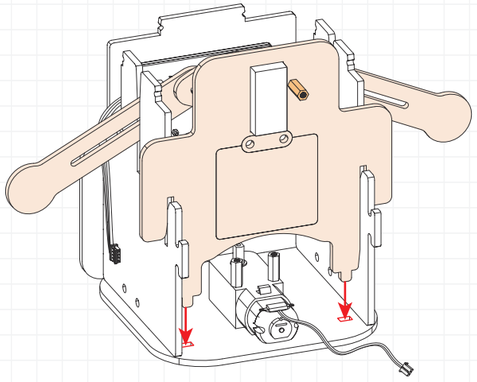
Plaats de houten figuren zoals op de afbeelding te zien is en duw de klinknagels door de gaten.

9 Verbind de houten figuren.

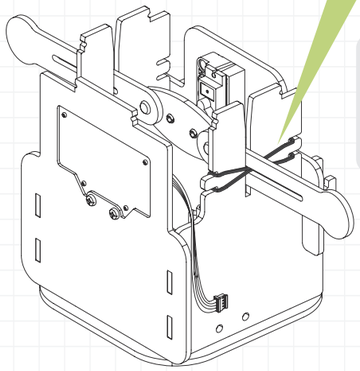
Schuif de houten figuren in de gleuven zoals afgebeeld.



Omdraaien

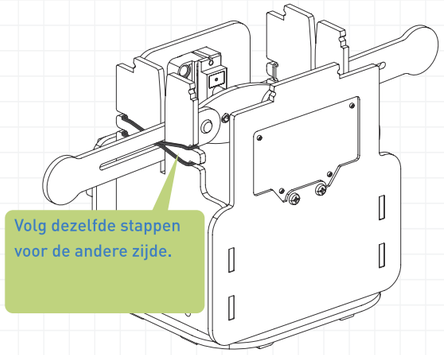


10 Bevestig de elastieken.



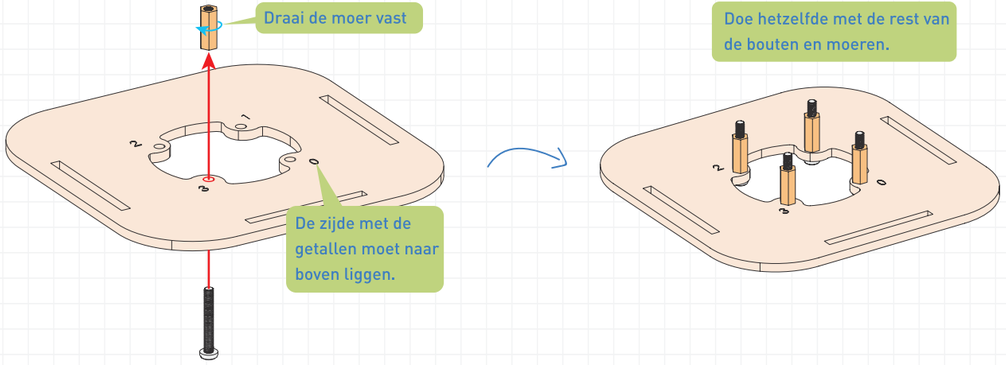
Tips

Bekijk de videotutorials in de software om de stappen te bekijken.



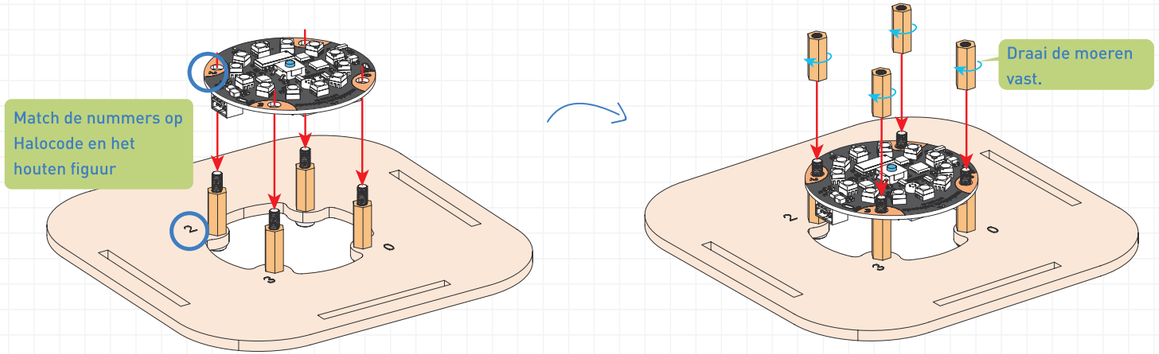
Volg dezelfde stappen voor de andere zijde.

11

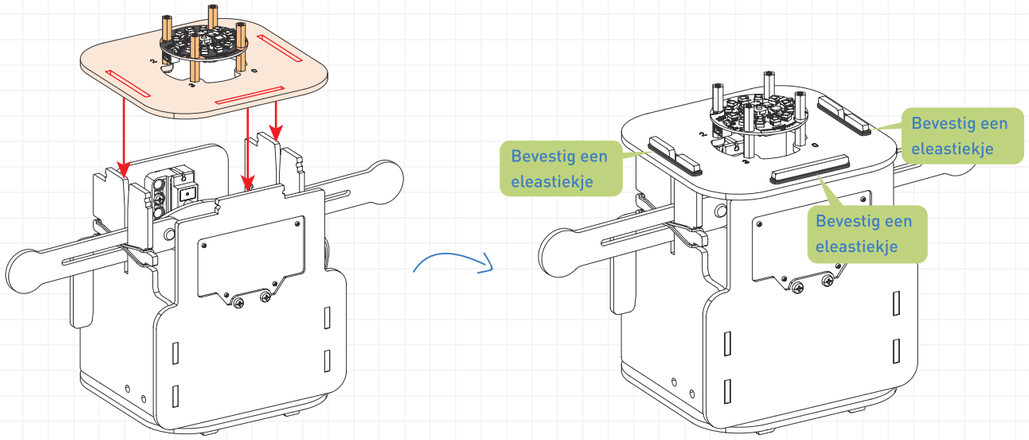


1:1	
✓	M3 *20mm
✗	M3 *14mm
✗	M3 *30mm

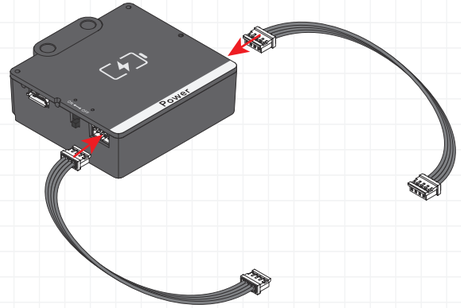
12 Installeer de Halocode.



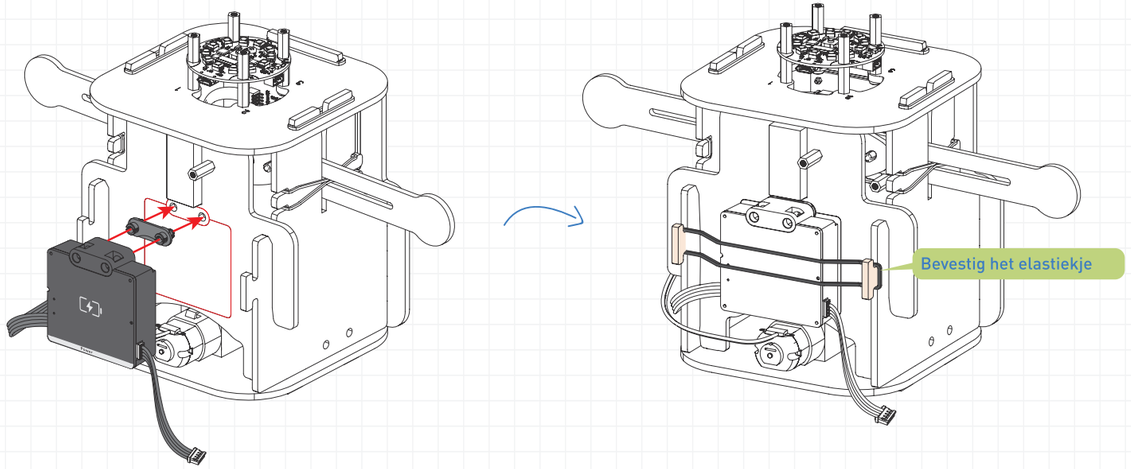
13 Installeer het houten figuur zoals afgebeeld en houd deze op zijn plaats met elastieken.



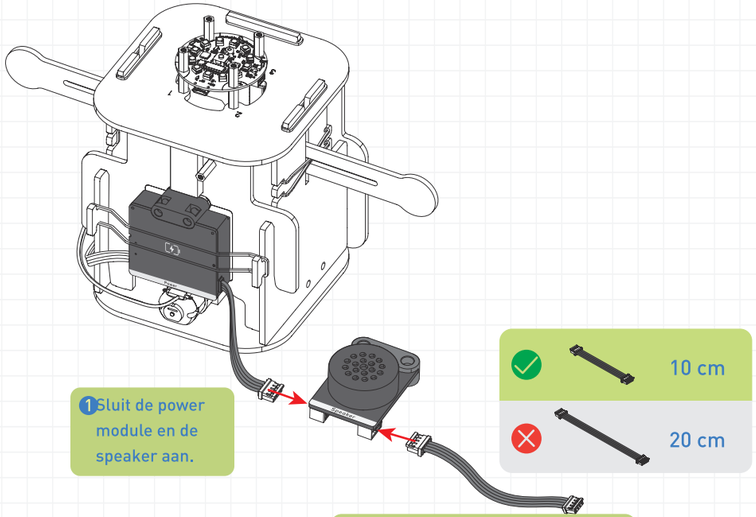
14 Steek 10 cm aansluitkabels in de poorten aan beide zijden van de powermodule.



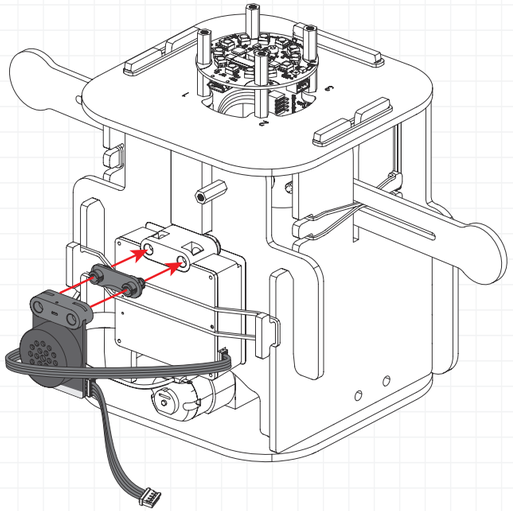
15 Installeer de powermodule en houd deze op zijn plaats met een elastiekje.



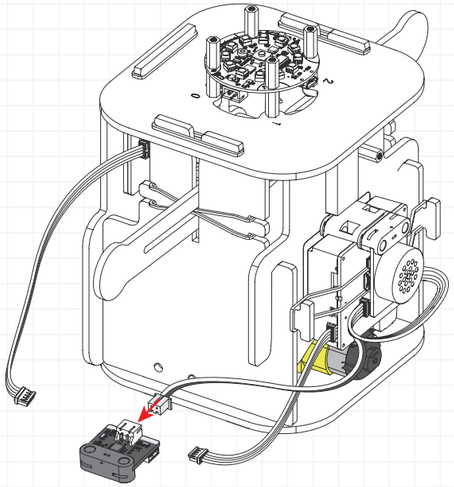
16 Haal de speaker eruit en sluit de modules aan zoals afgebeeld.



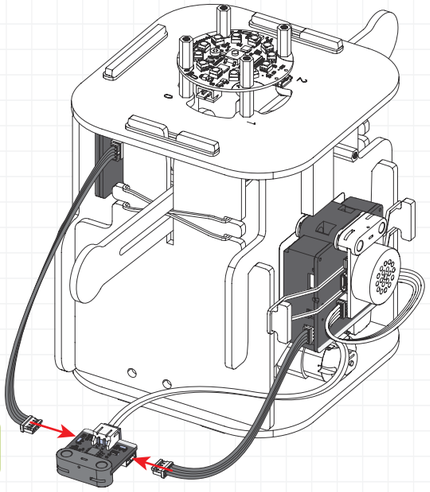
17 Installeer de speaker.



18 Steek de motorkabel in de motordriver.

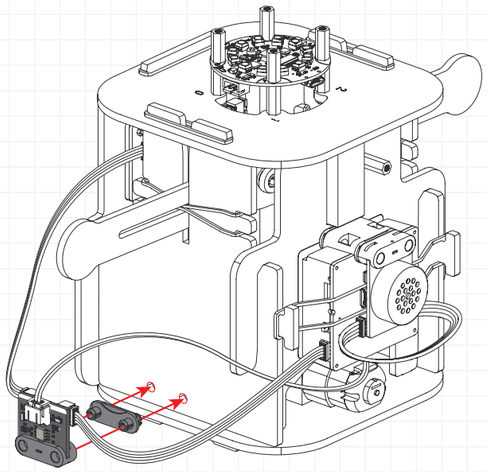


19 Sluit de modules aan zoals afgebeeld.

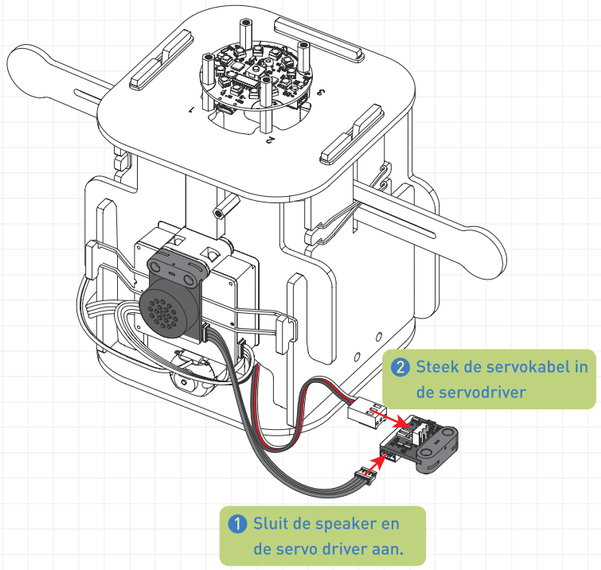


1. Sluit de LED-matrix en de motordriver aan.
2. Sluit power module en de motordriver aan.

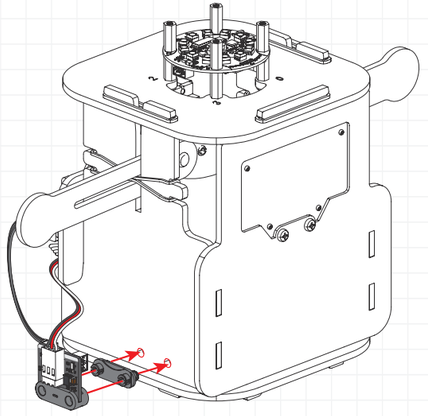
20 Bevestig de motor driver op het houten figuur.



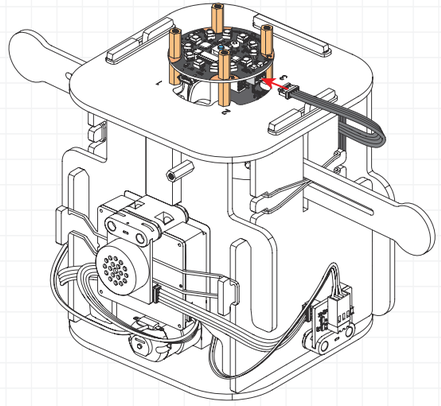
21 Neem de servo driver en sluit de modules aan zoals afgebeeld



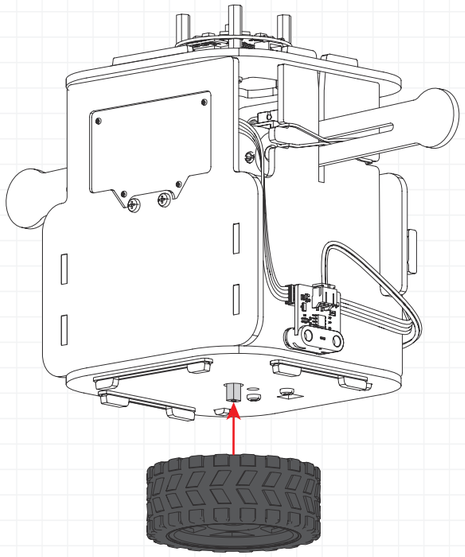
22 Installeer de servo driver.



23 Sluit de LED-matrix aan op de Halocode.



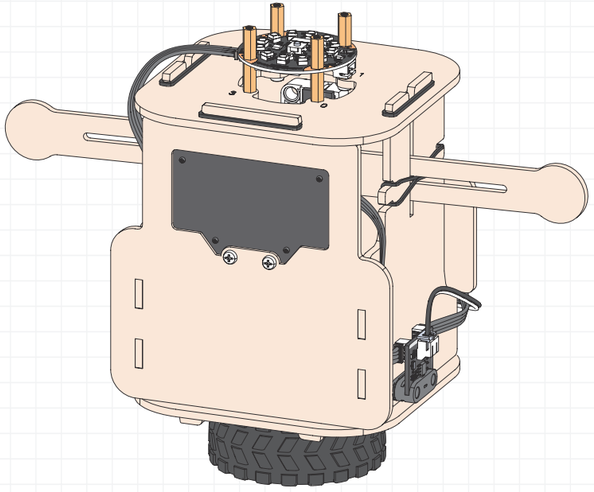
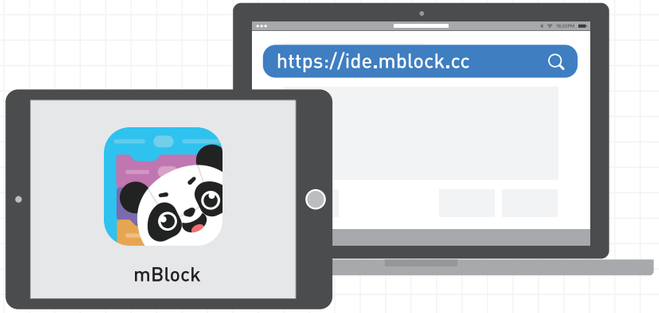
24 Installeer het wiel



Tips

Bekijk de videotutorials in de software om de bouwinstructies te bekijken

25 Geweldig! De Companion Robot is klaar!



26 Ga nu terug naar mBlock op je PC of iPad en programmeer je project.