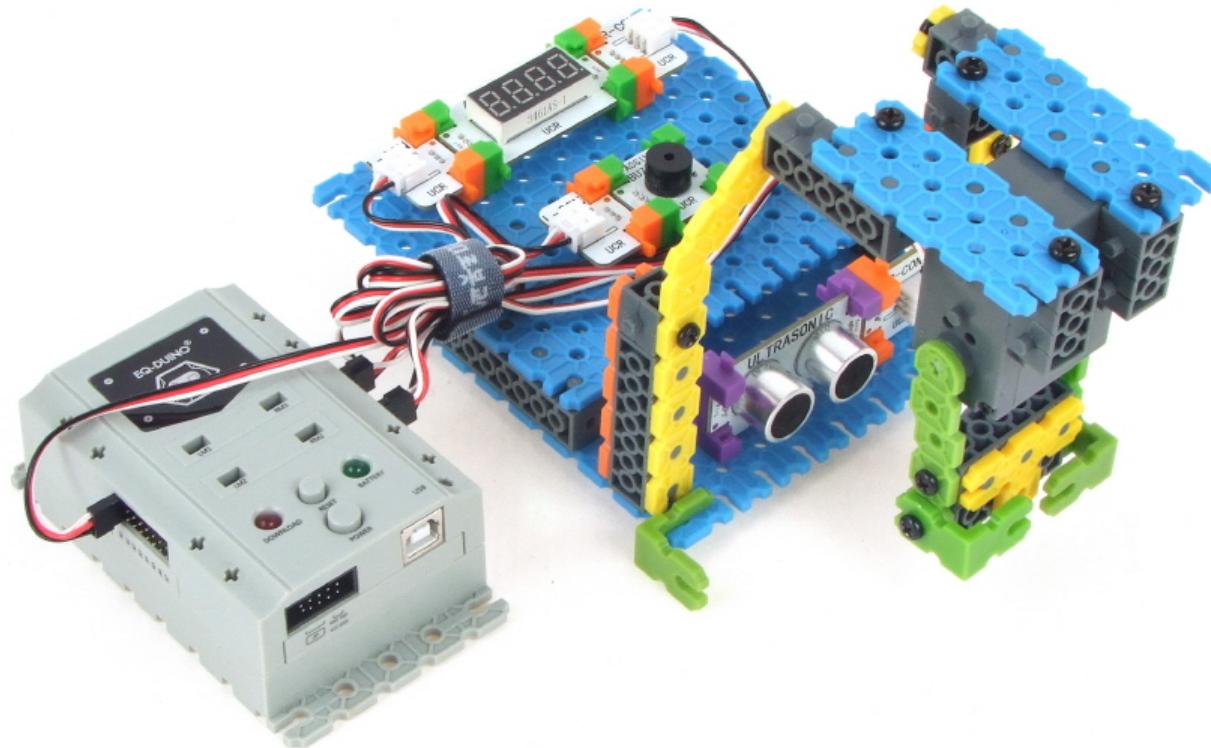
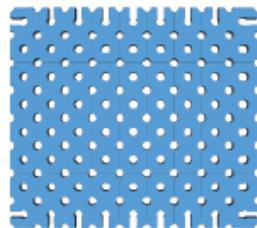


### 3. Goalkeeper

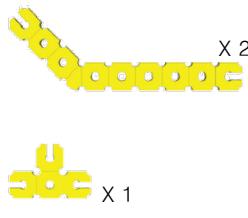
Shooting the ball to the goalkeeper, the ultrasonic sensor will detect the distance from ball as 12~15cm, the goalkeeper will kick the ball with beeping.



## Part List



X 2



X 2



X 2



X 2



X 2



X 6



X 2



X 4



X 2



X 4



Servo motor X 1



(L) X 2



(S) X 14



4bit FND display



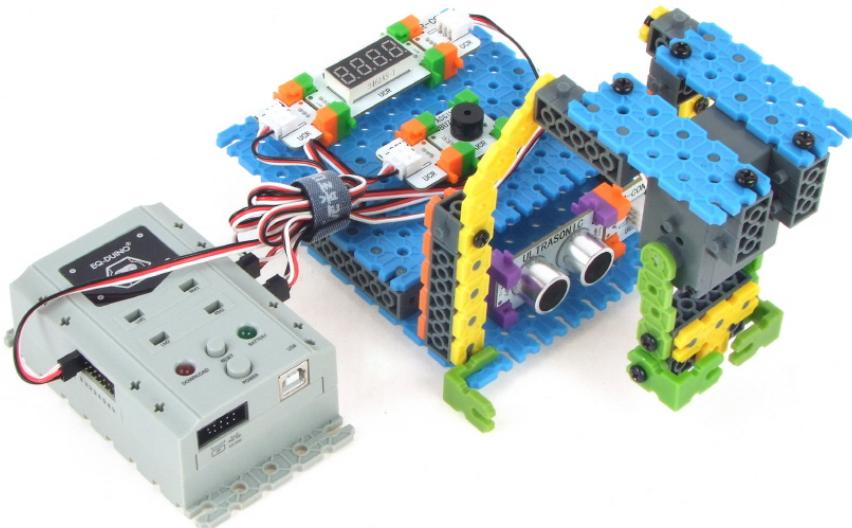
Ultrasonic sensor



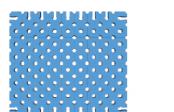
Melody Buzzer

The servo motor must be positioned the output shaft as 90 degree at this model.

## Goalkeeper



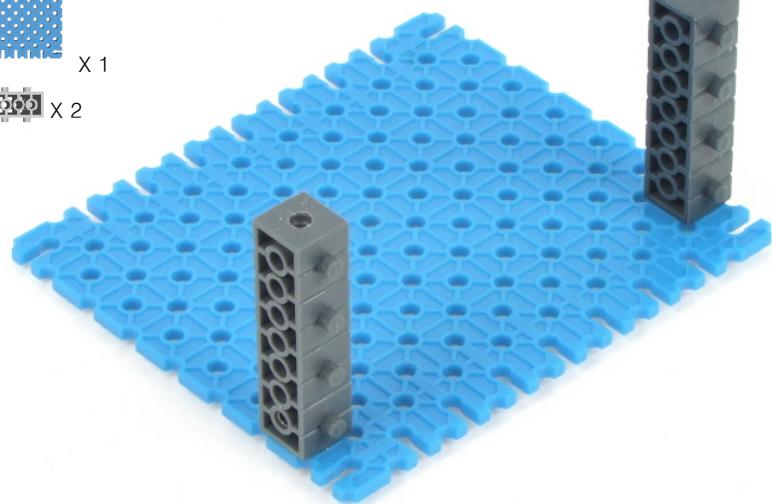
1



X 1



X 2

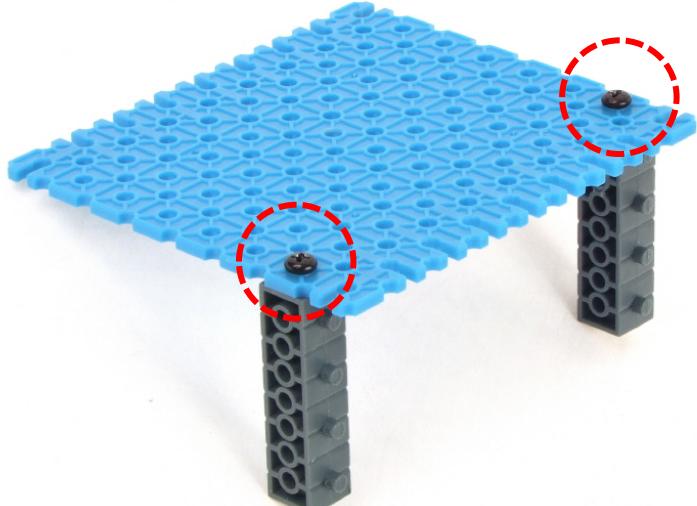


Check the assembling position only

2



(S) X 2



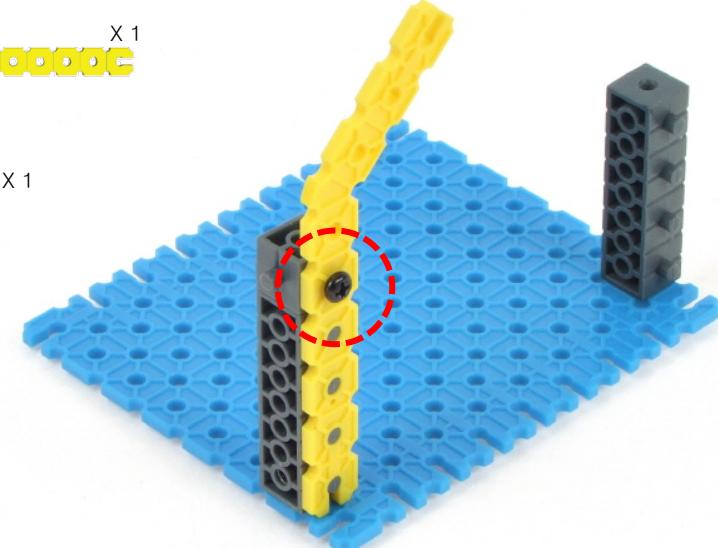
3



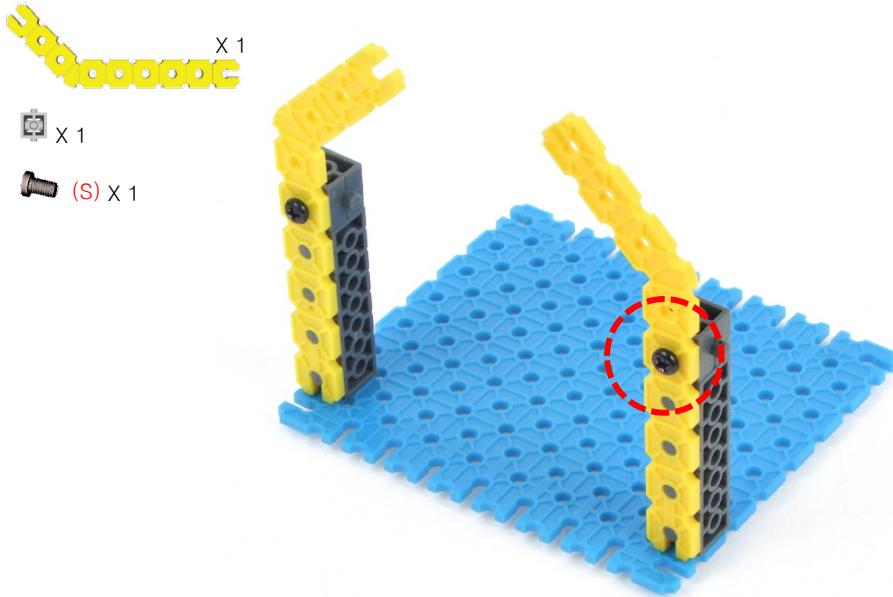
X 1



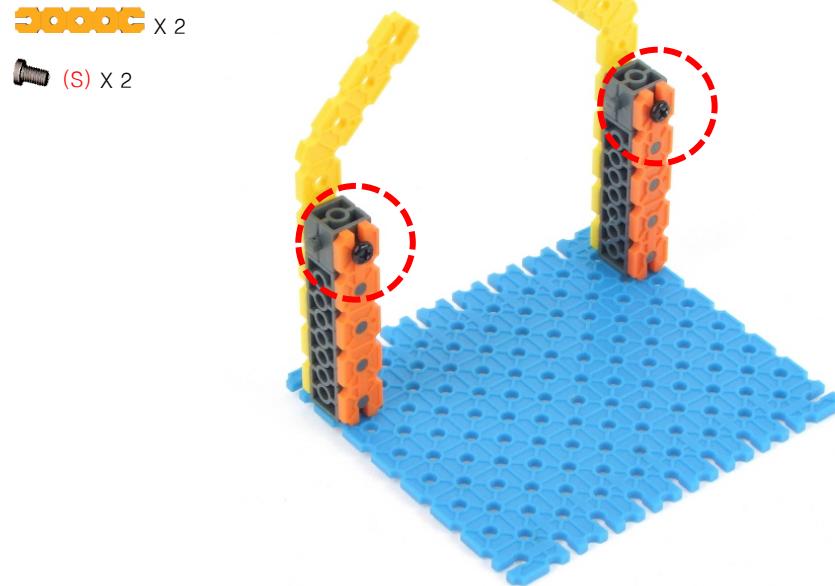
(S) X 1



4



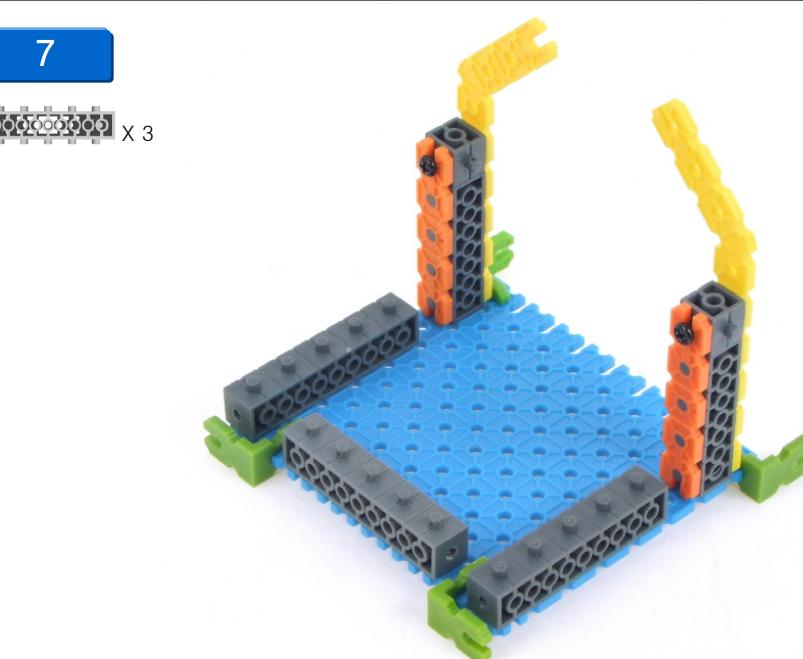
5



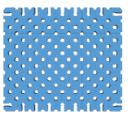
6



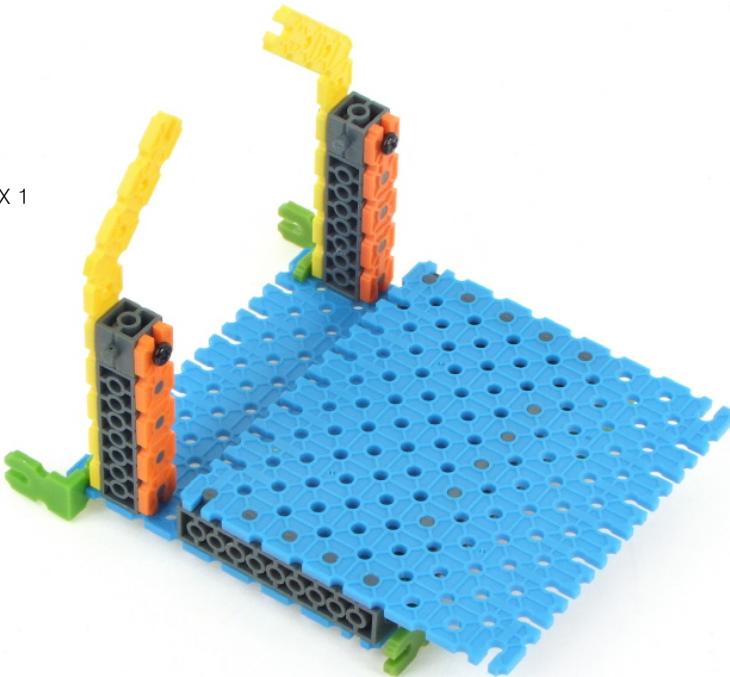
7



8



X 1



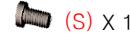
9



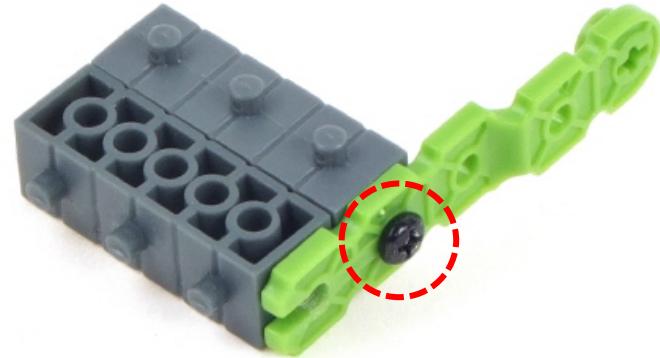
X 1



X 2



X 1



10



11



X 1



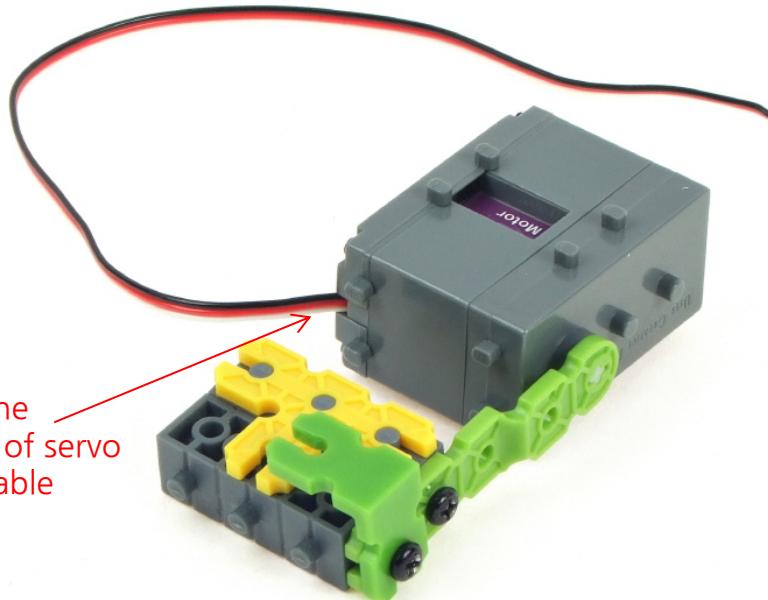
X 1



12



Servo motor X 1



13



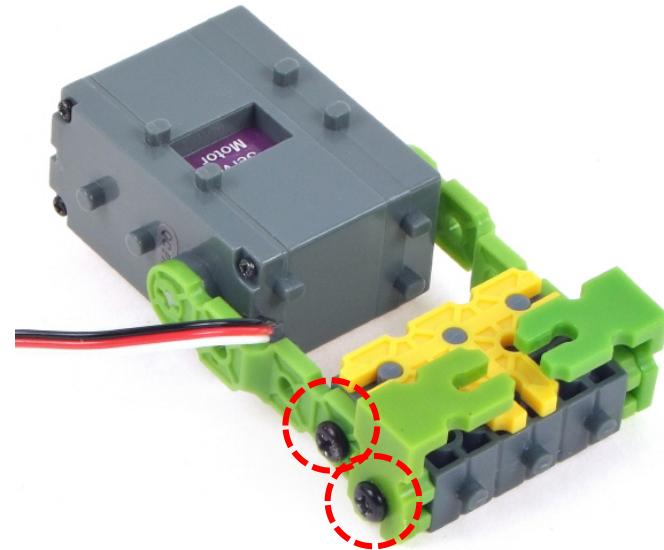
X 1



(L) X 1



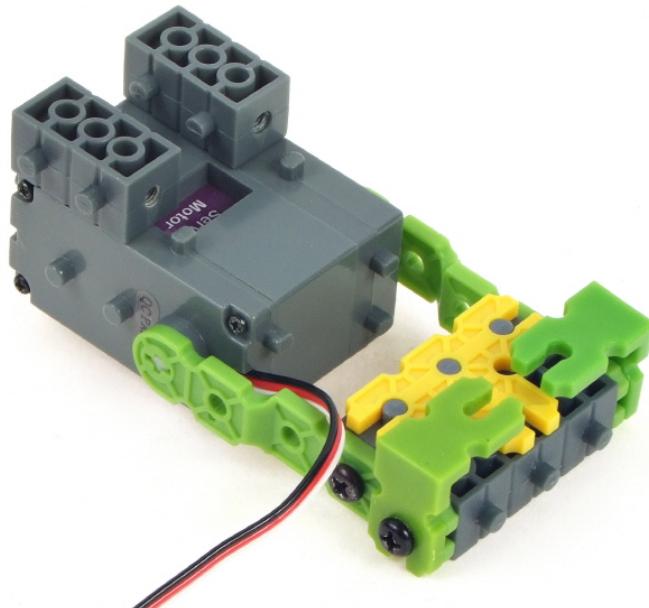
(S) X 1



14



X 2



15



X 1



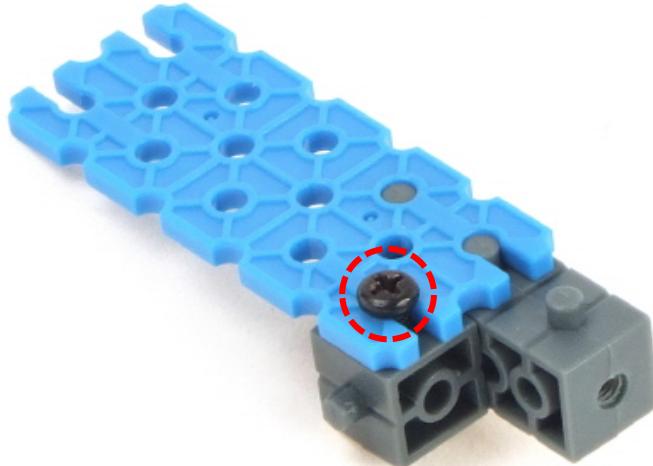
X 1



16



● (S) X 1



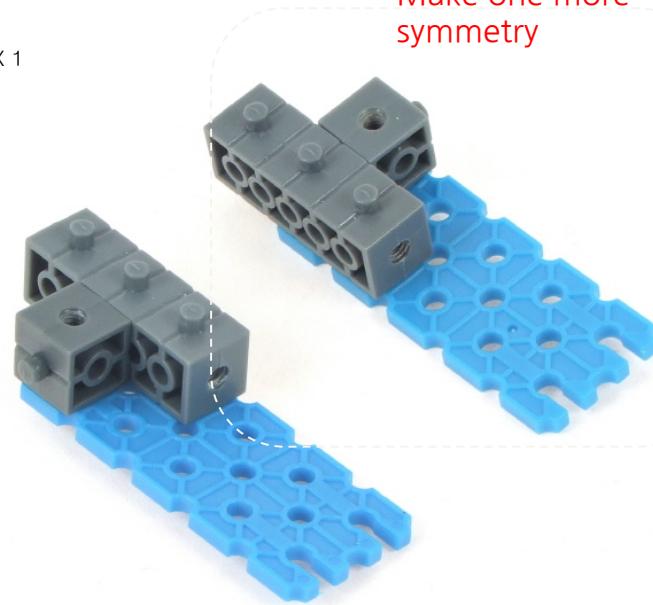
17



● (S) X 1

X 1

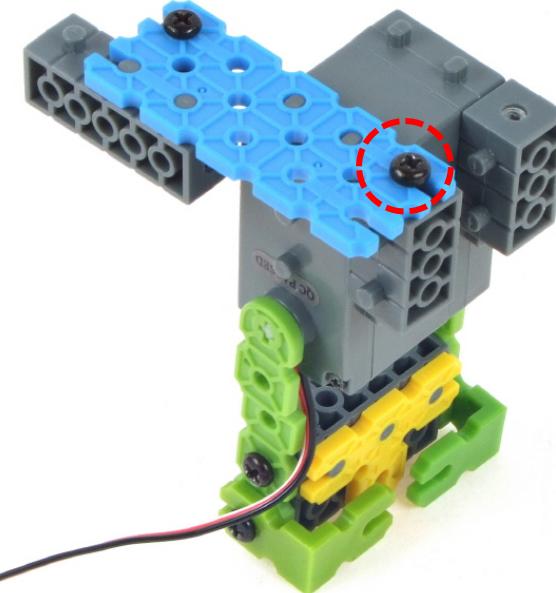
● (S) X 1



Make one more symmetry

18

● (S) X 1



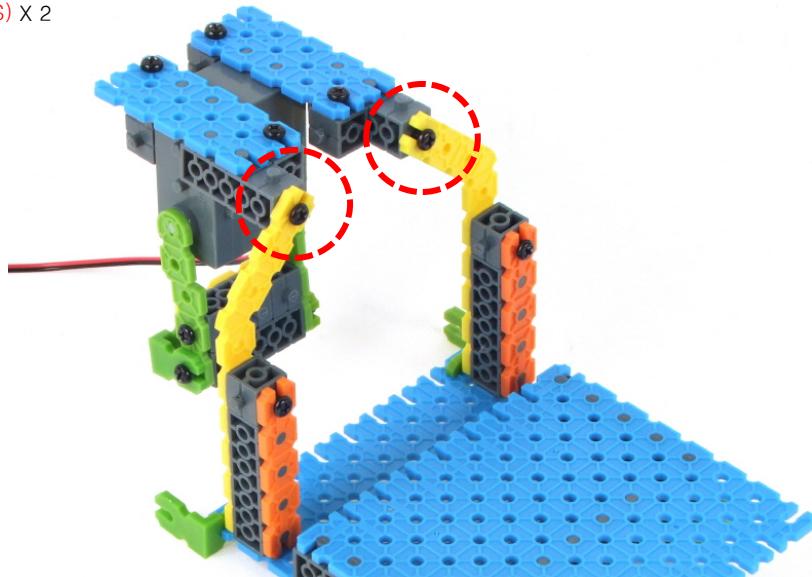
19

● (S) X 1



20

(S) X 2



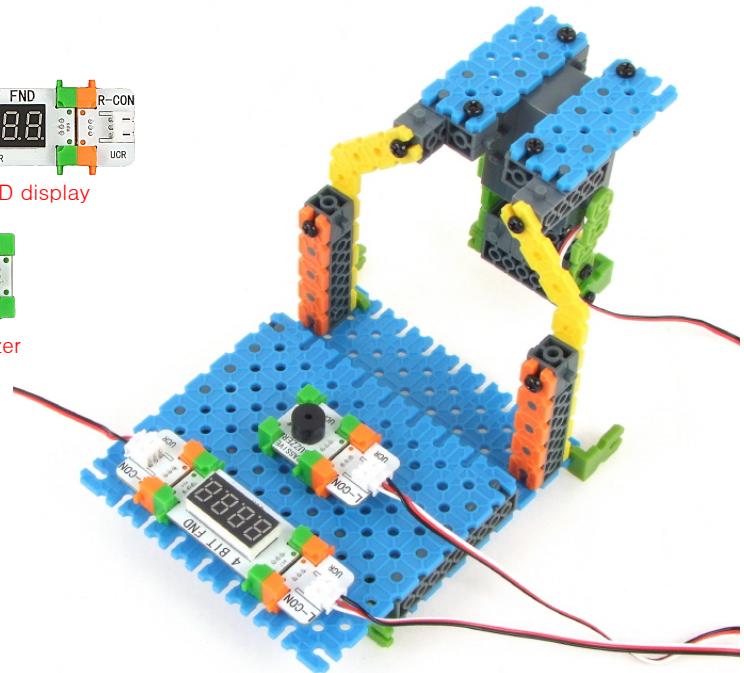
21



4bit FND display



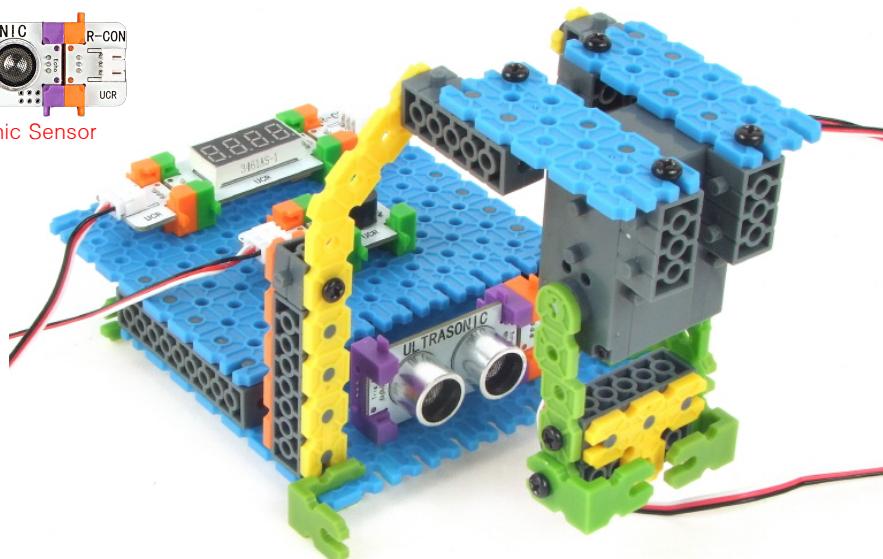
Melody Buzzer



Finish



Ultrasonic Sensor





Connect to the main controller

