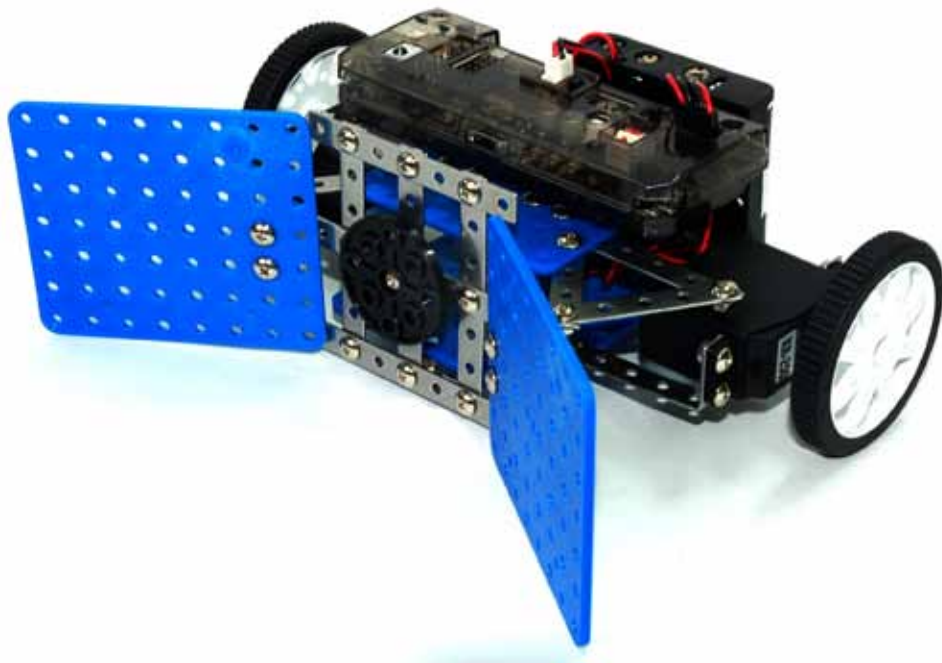


4. 축구 로봇 (Soccer Robot)

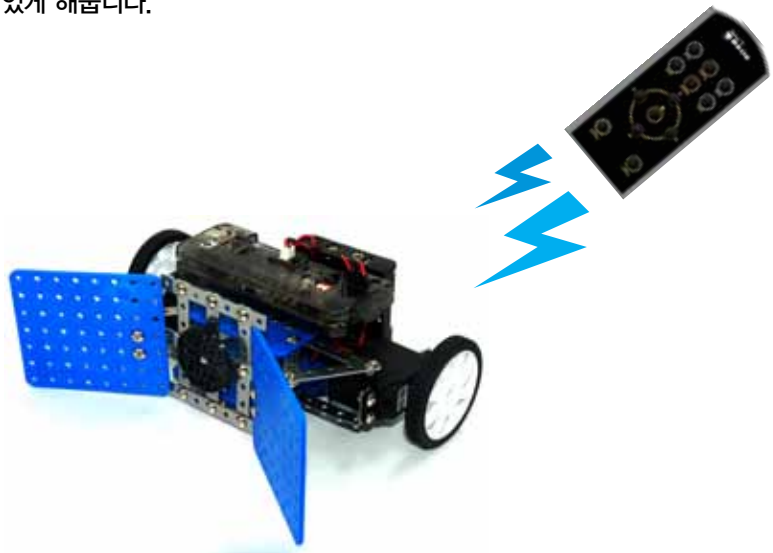


소개 및 동작원리

– Introduction & working principle



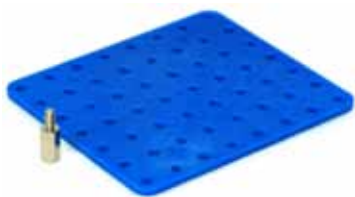
축구 로봇은 적외선 리모컨으로 사용자가 조종을 할 수 있는 조종형 로봇입니다. 적외선 리모컨은 짧은 일정 시간 동안 빛(적외선)의 깜빡임으로 데이터를 전송할 수 있는 장치입니다. 이 깜빡임을 스마트 보드의 적외선 수신부가 감지하여 해석함으로 현재 어떤 버튼이 눌렸는지를 알 수 있게 해줍니다.



이처럼 빛의 깜빡임을 통해 데이터를 주고받는 방식은 로봇 외에도 TV나 에어컨 같은 가전제품에도 널리 사용되고 있습니다.



1

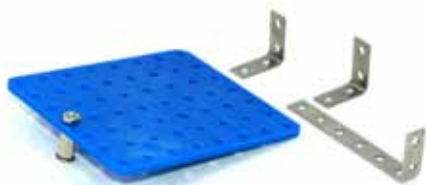


X 1



X 1

2



X 3



X 3

3

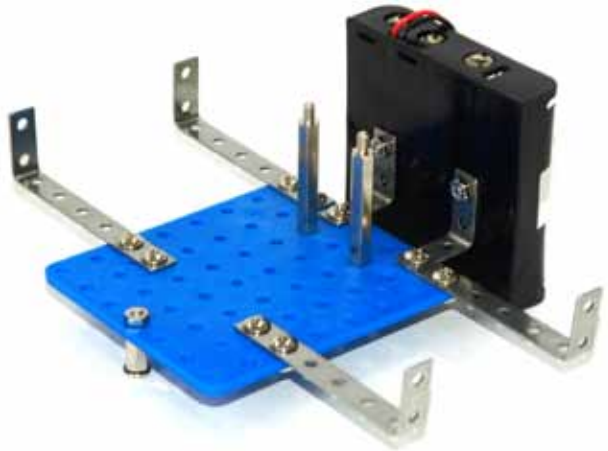


X 8



X 6

4

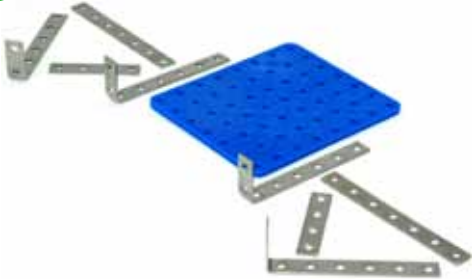


X 2



X 2

5



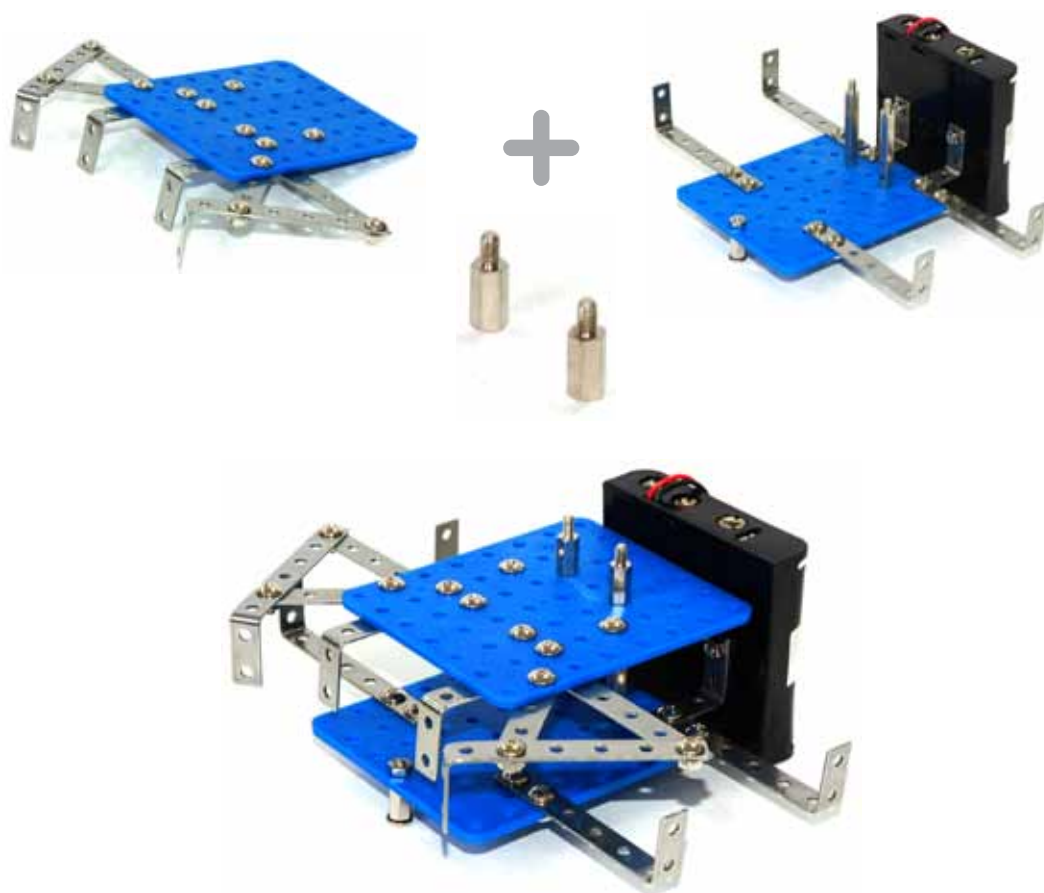
X 12



X 12



6



7



X 6



X 6



8

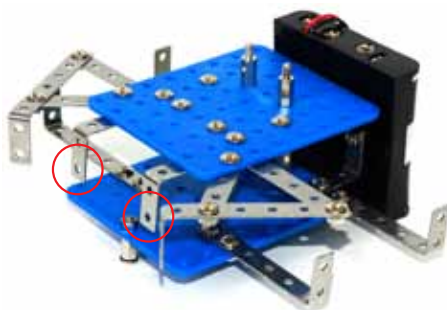


X 1



X 1

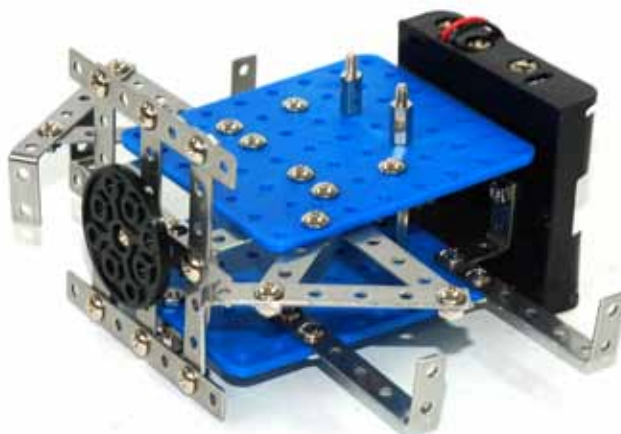
9



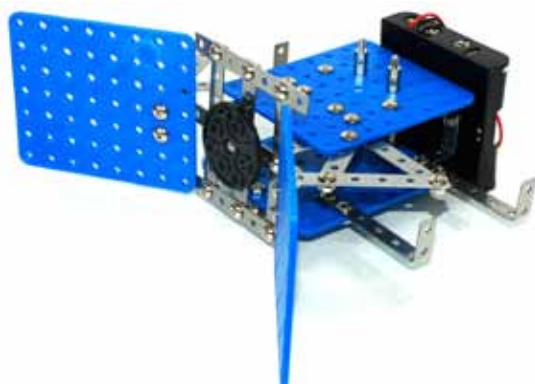
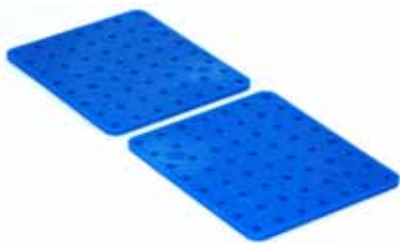
X 2



X 2

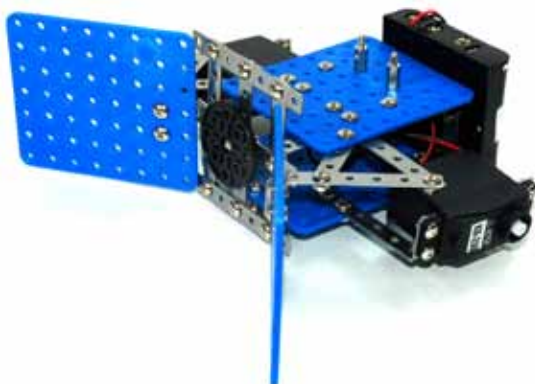


10



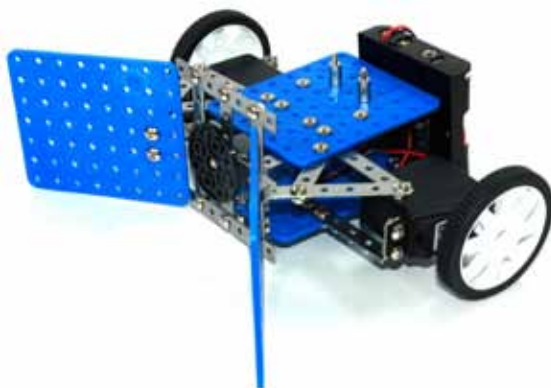
 X 4  X 4

11



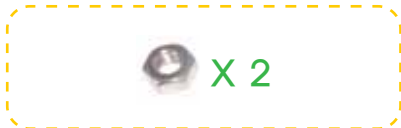
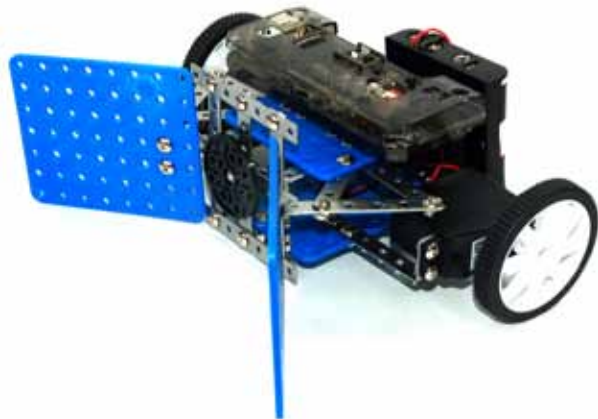
 X 8  X 8

12

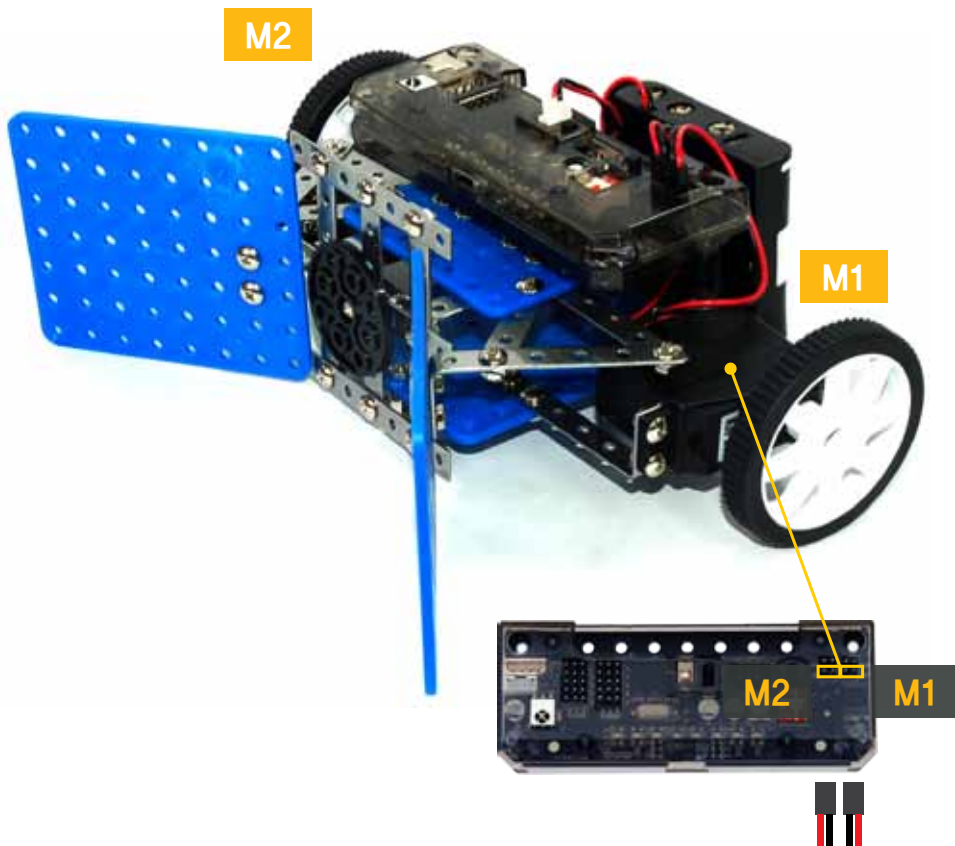


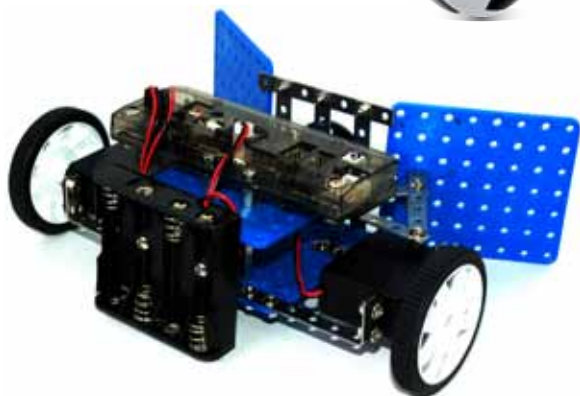
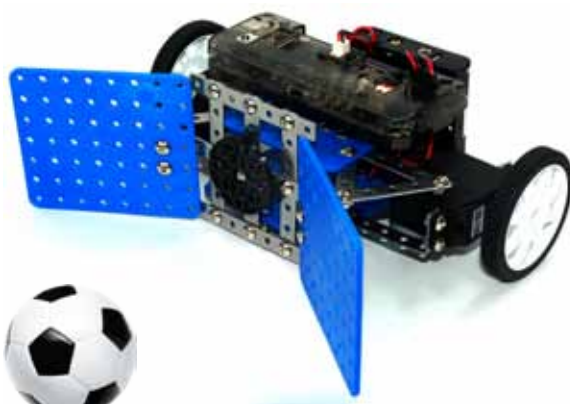
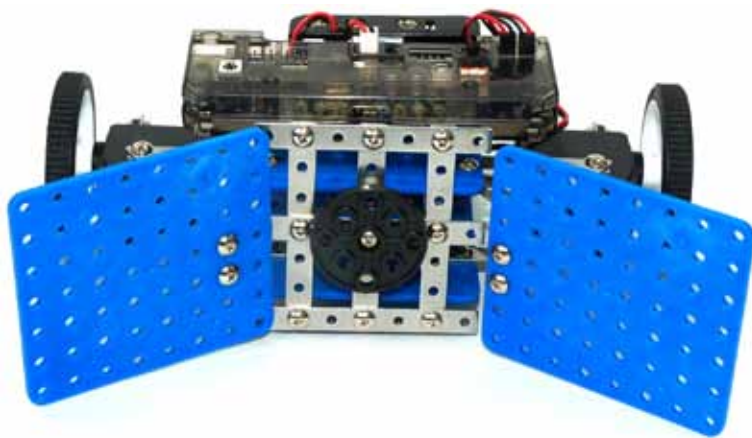
 X 2

13



완성

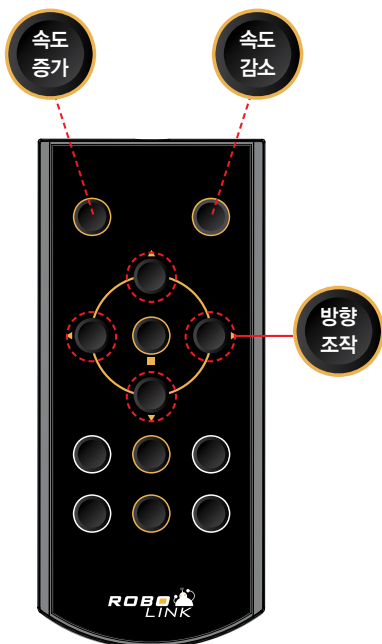
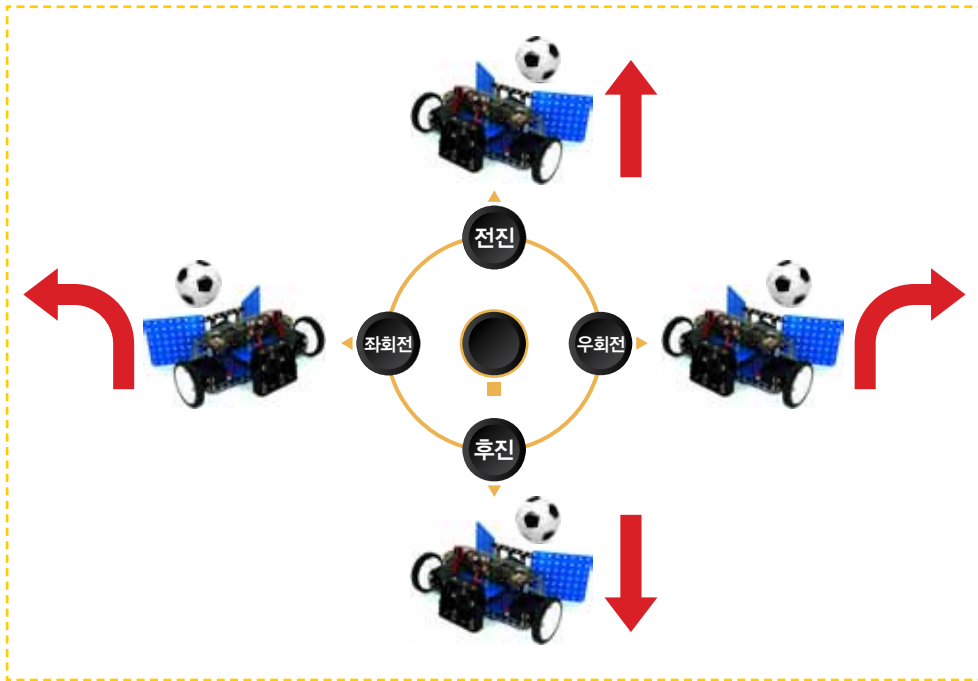




구동하기



축구 로봇은 프로그램 모드 4번을 선택하여 구동합니다.



속도가 증가할수록, 불빛이 증가합니다.



← 속도가 낮을 때 →



← 속도가 높을 때 →