Strawbees®

CODING & ROBOTICS with Quirkbot

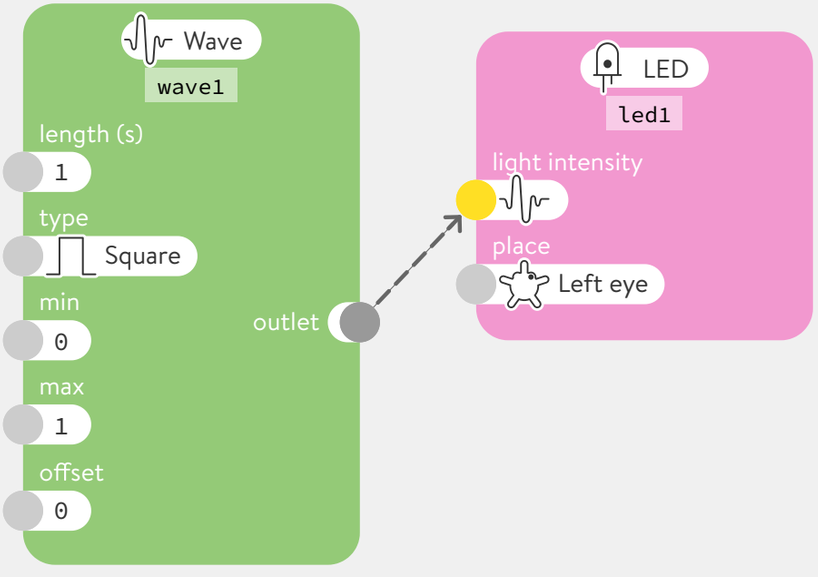
CODING CARDS

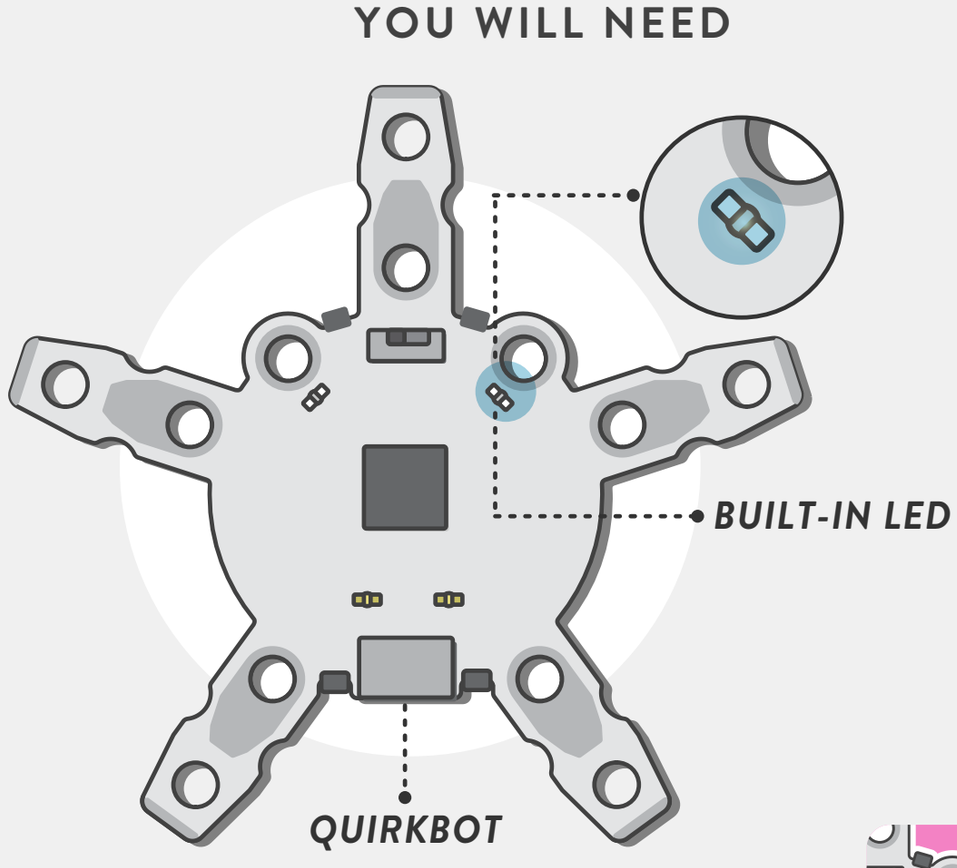
FLOW

For courses, curriculum-aligned lessons, and other fun resources:

classroom.strawbees.com

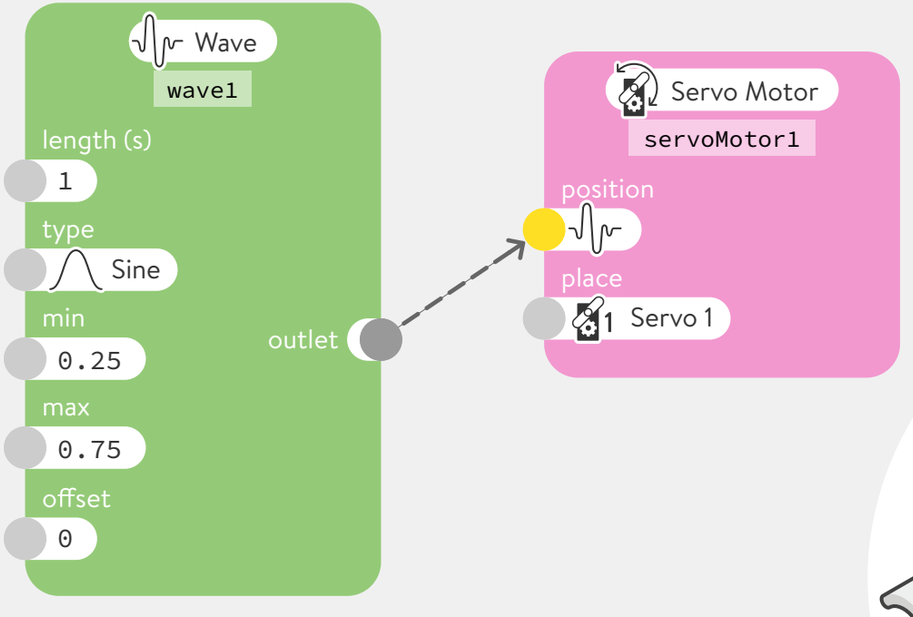
BLINK



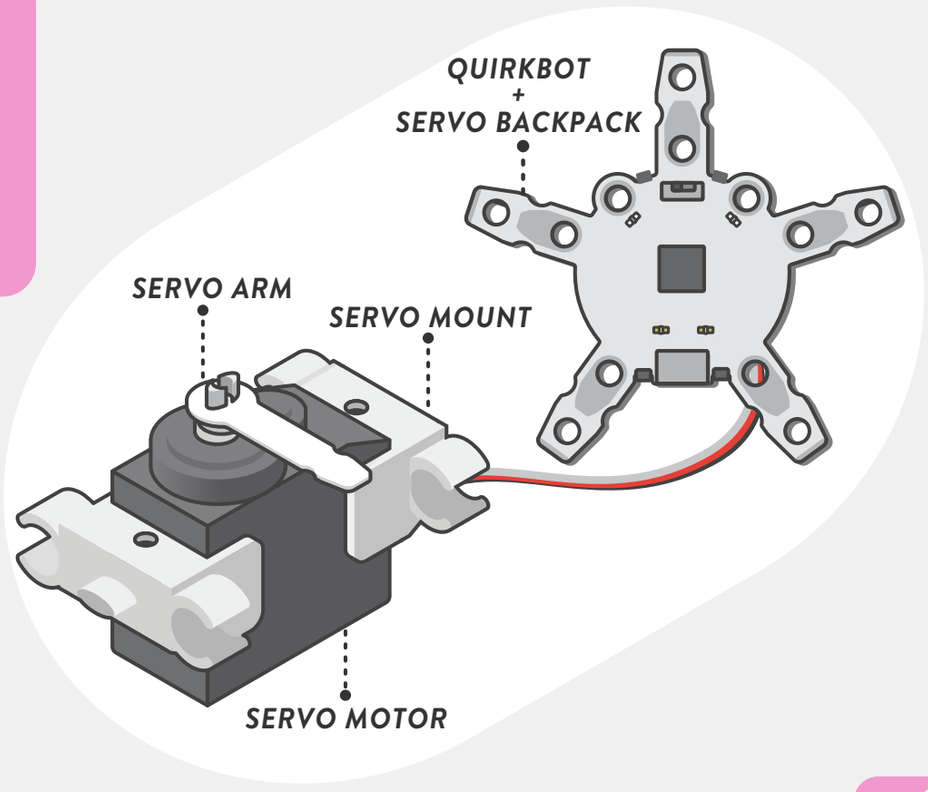


code.strawbees.com

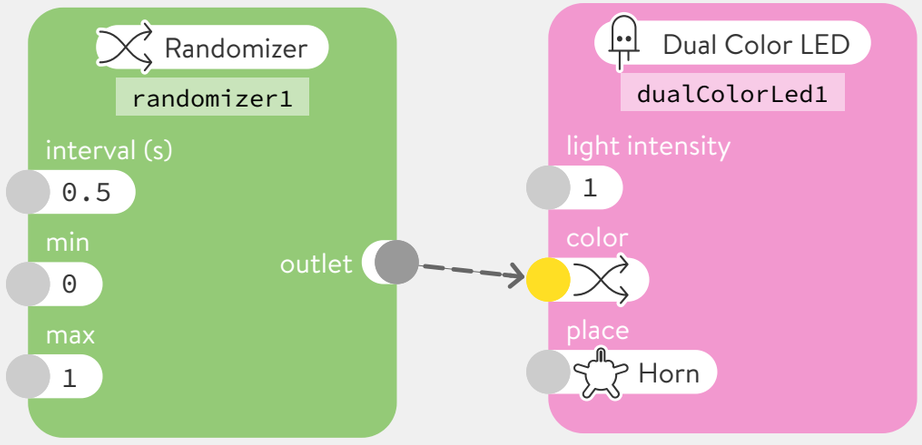
BACK AND FORTH



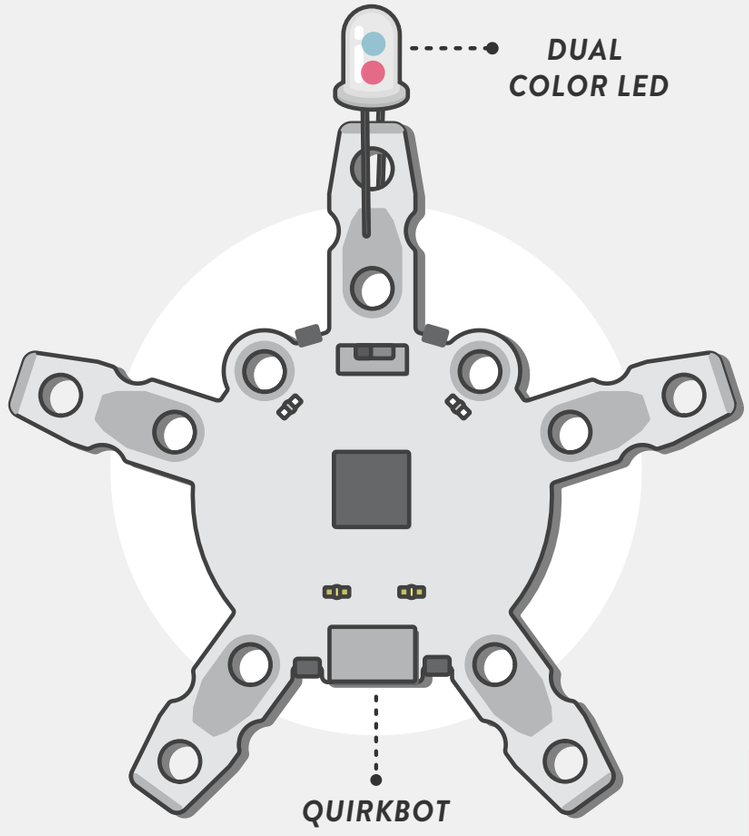
YOU WILL NEED



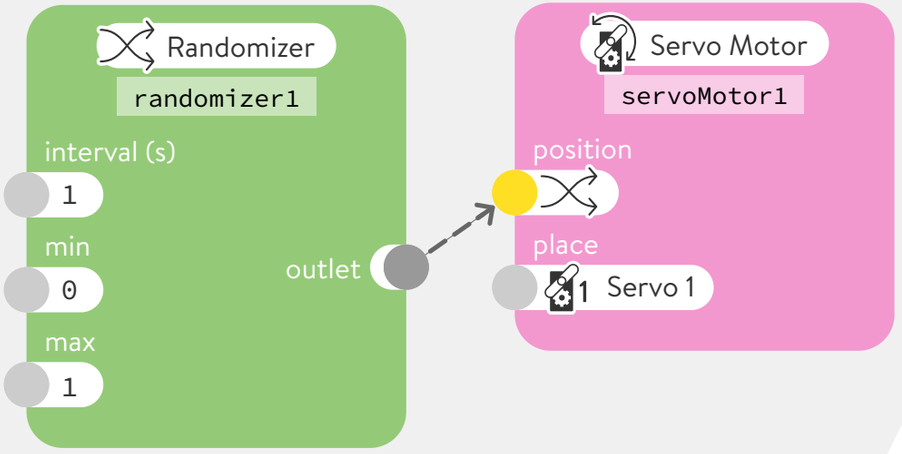
RANDOM COLOR



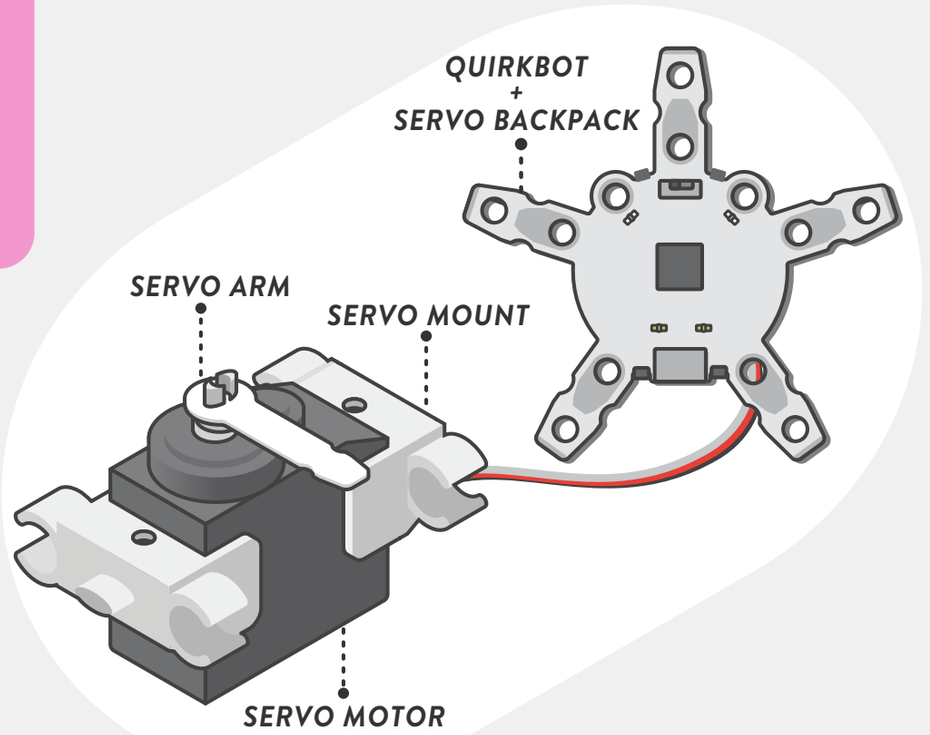
YOU WILL NEED



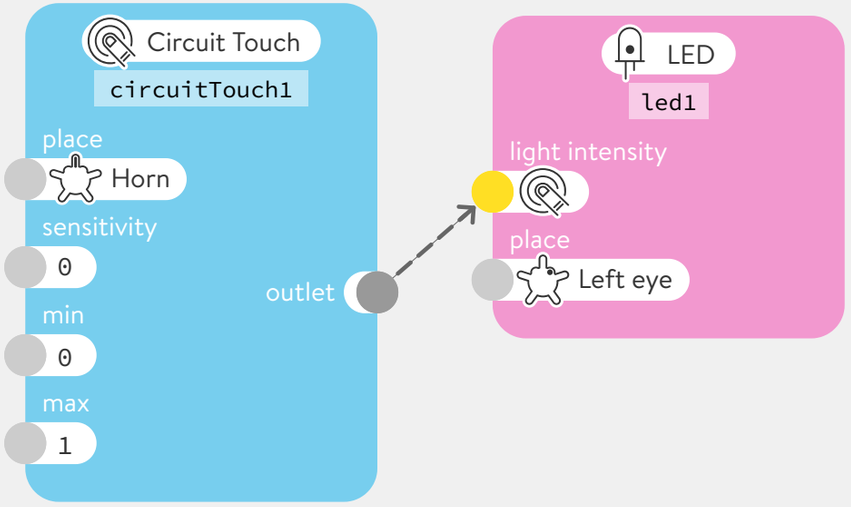
MOVE RANDOMLY

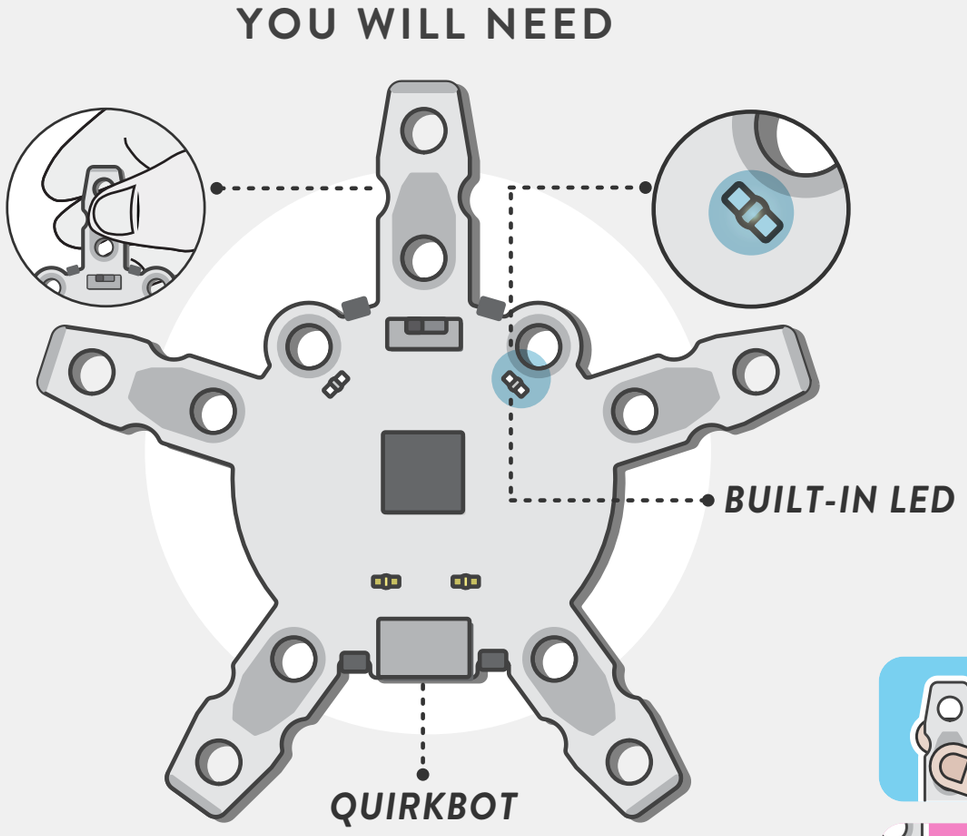


YOU WILL NEED



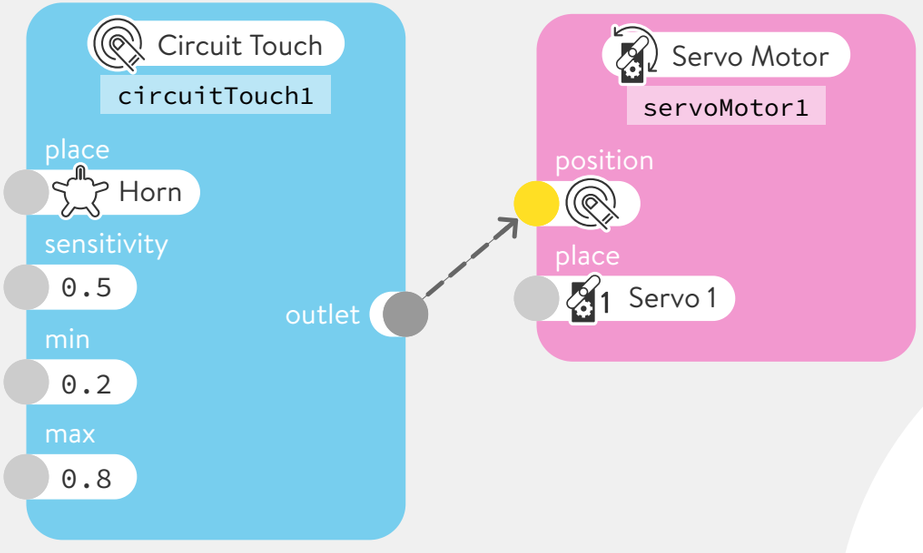
TOUCH TO LIGHT



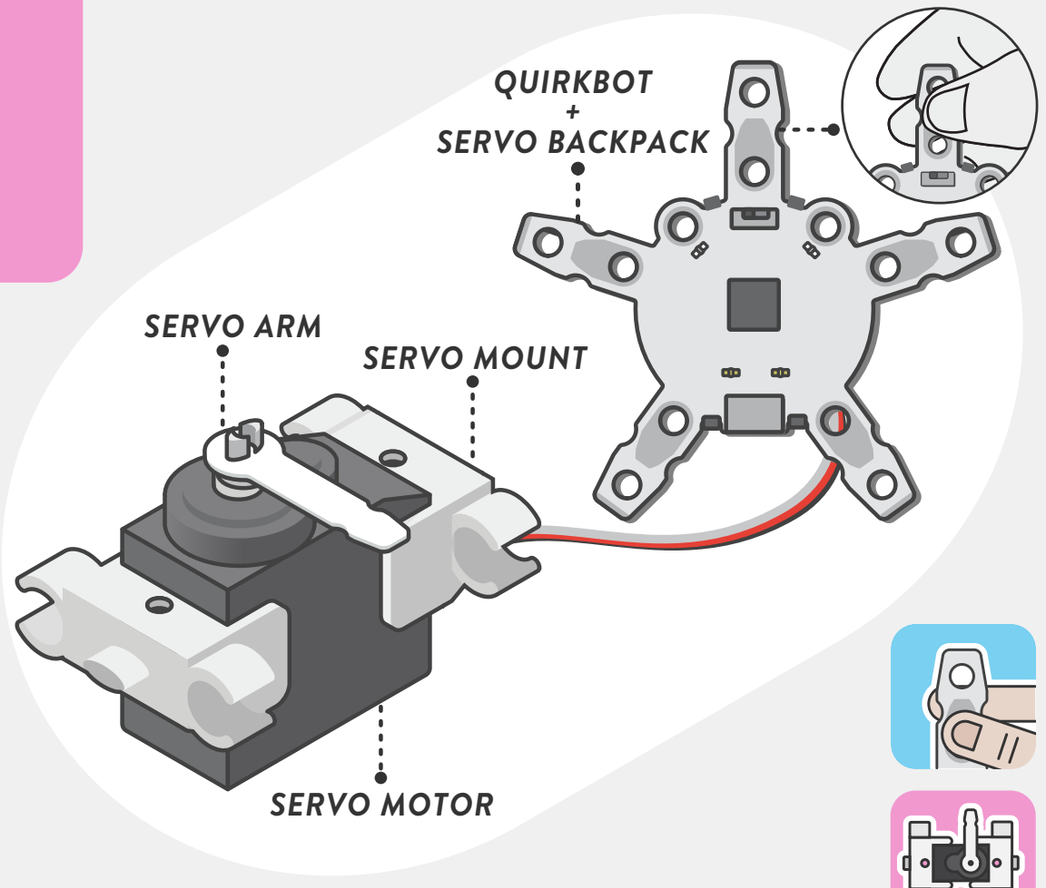


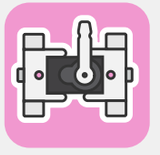
code.strawbees.com

TOUCH TO MOVE

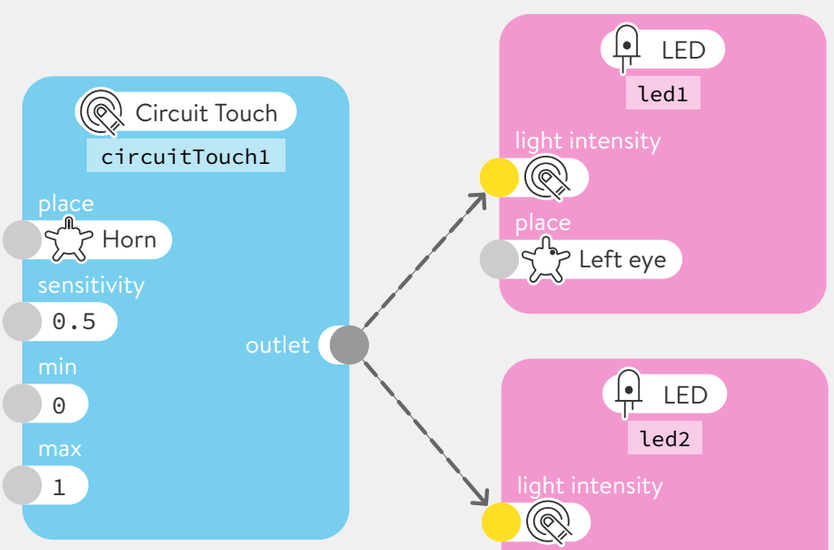


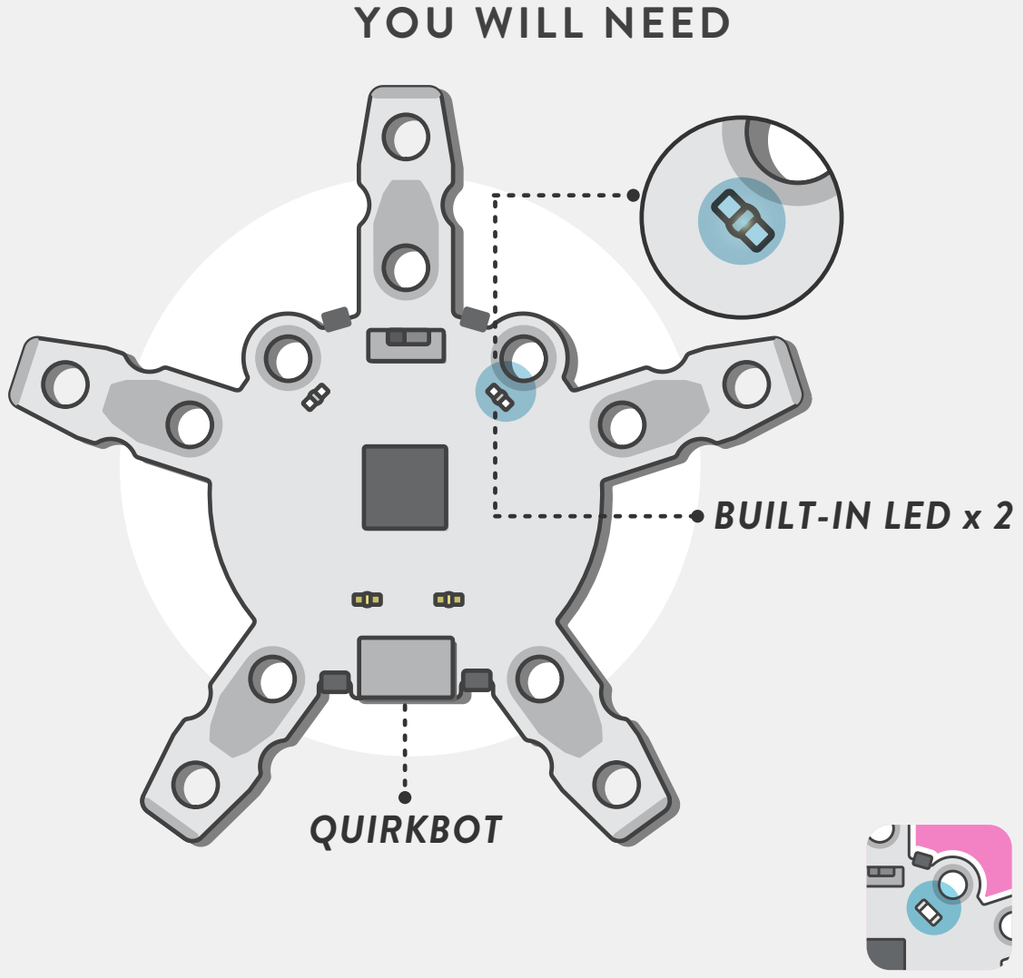
YOU WILL NEED



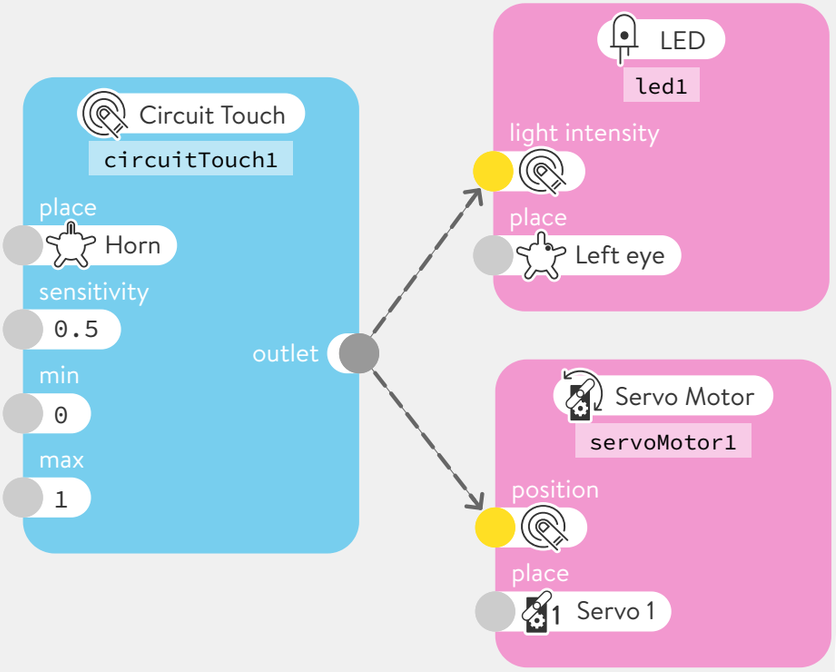


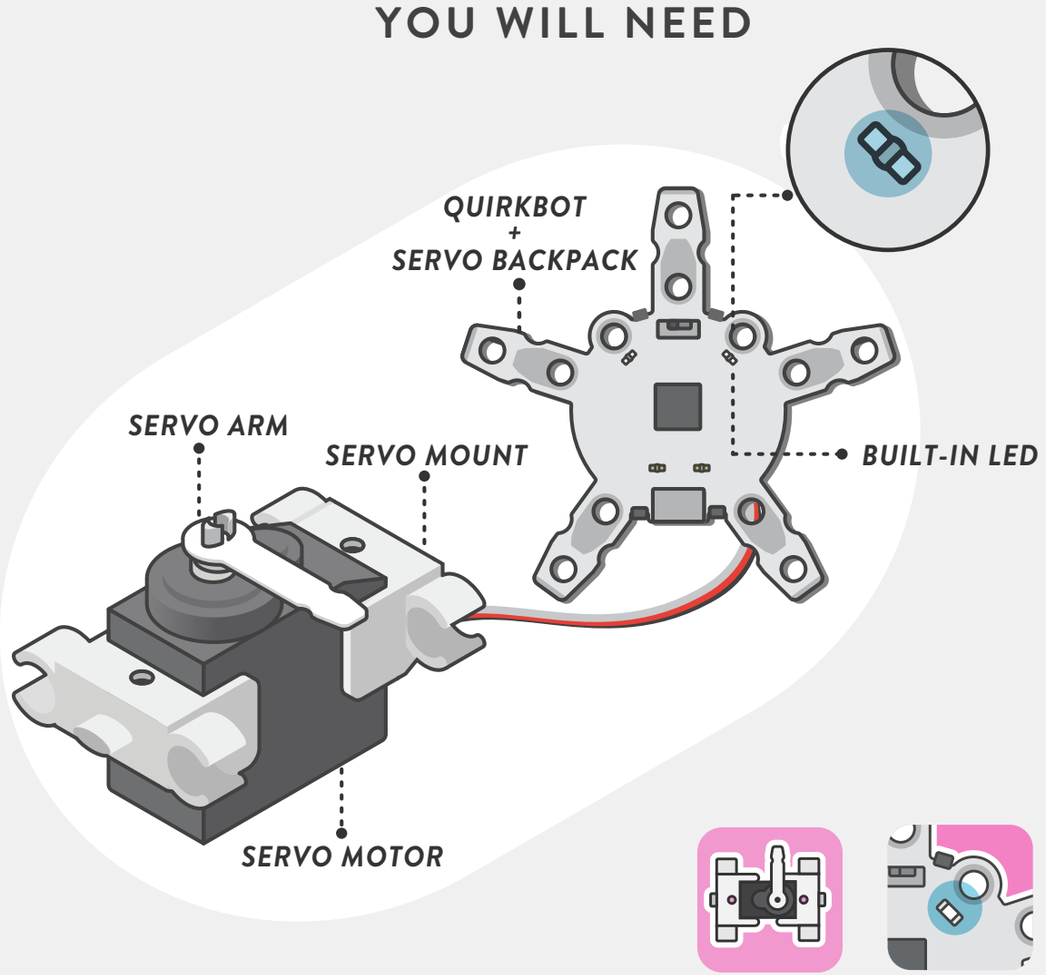
CONTROL 2 LEDS



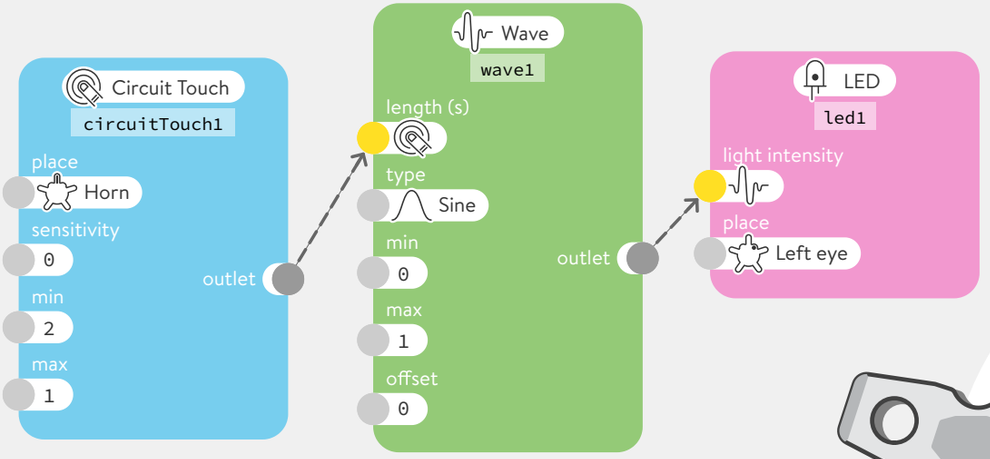


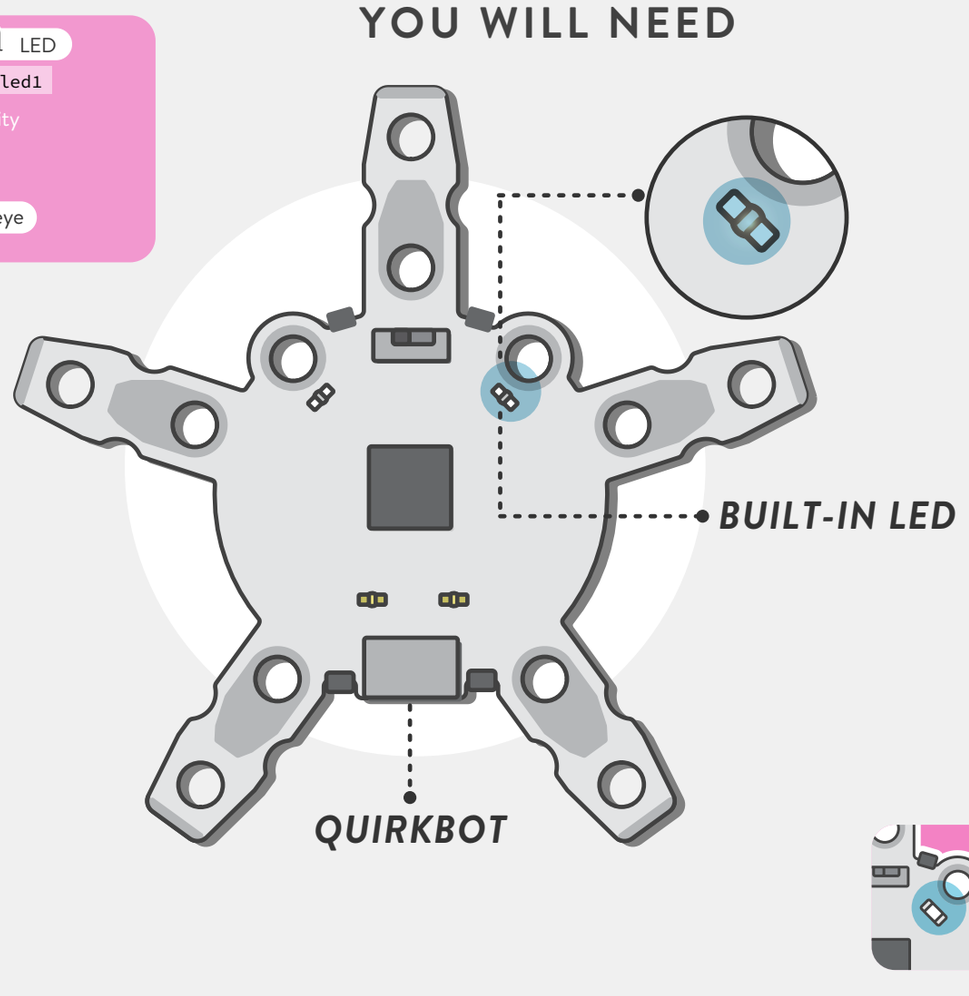
CONTROL MOTOR AND LED



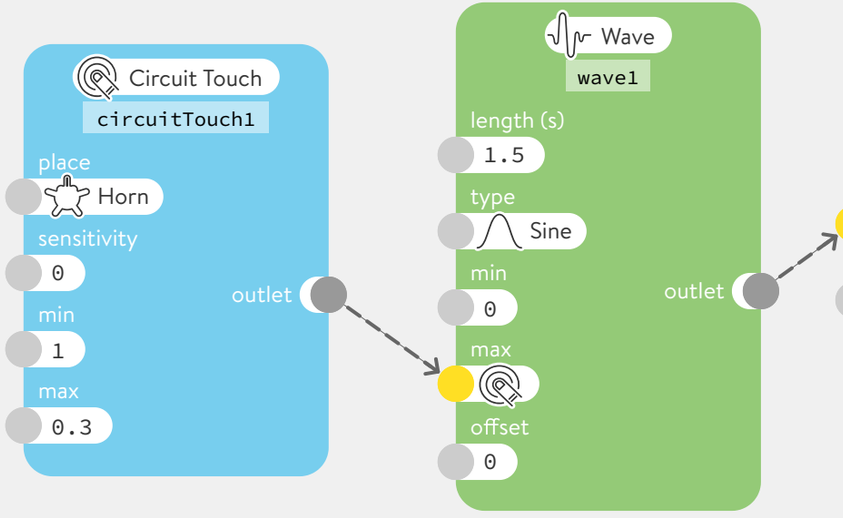


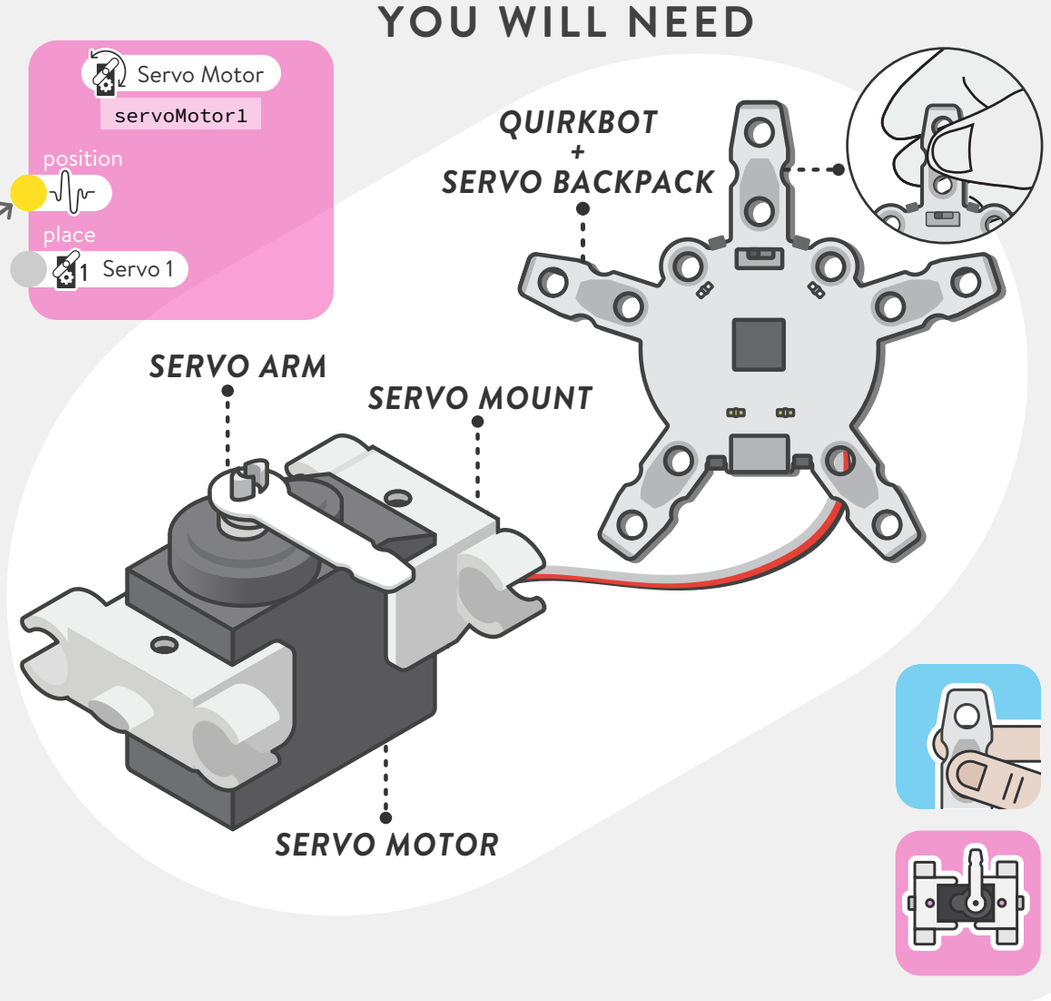
CHANGE FADE SPEED



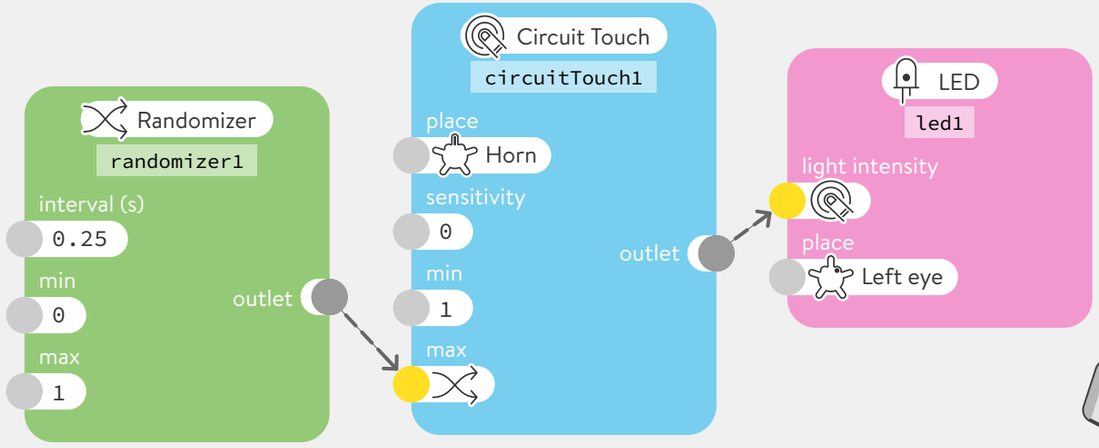


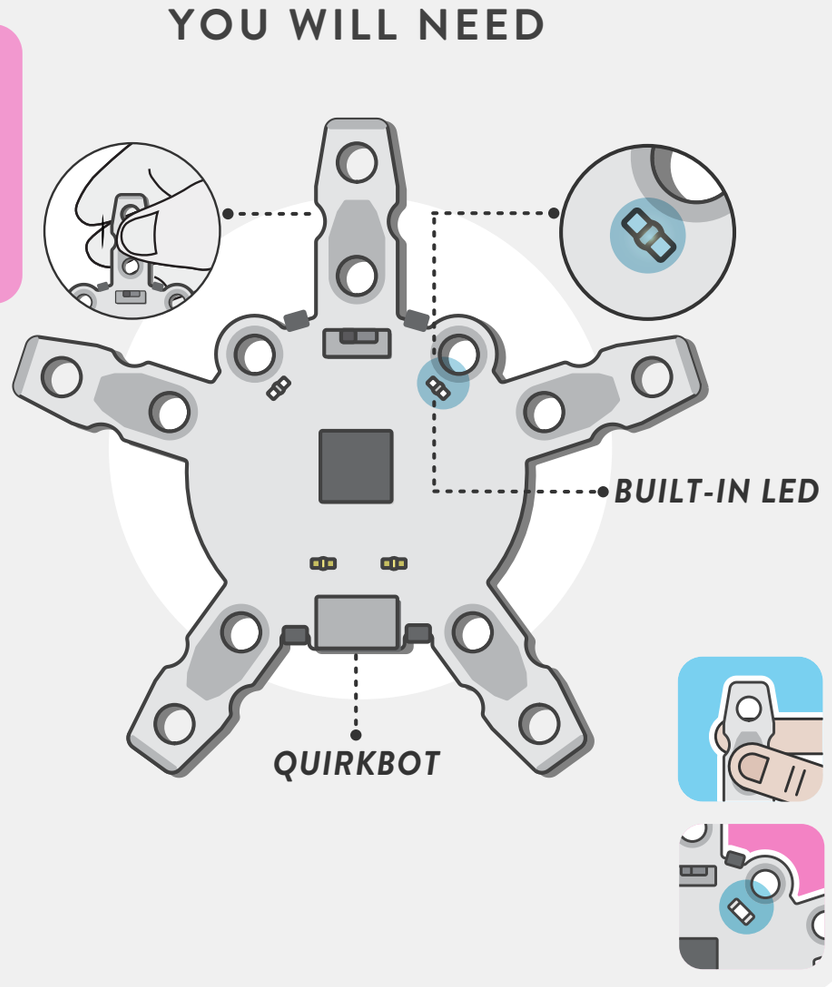
CHANGE MOVEMENT AMPLITUDE



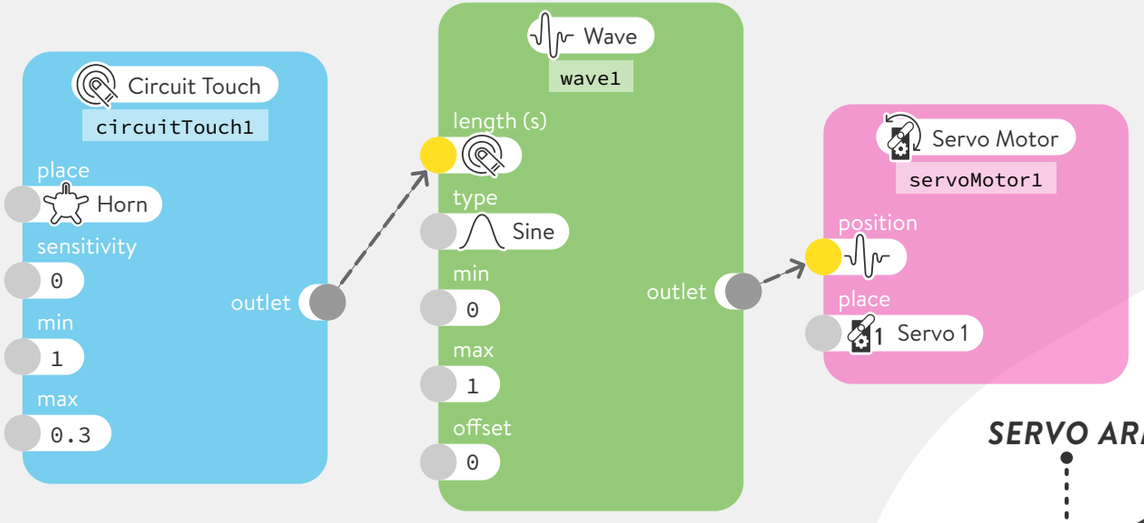


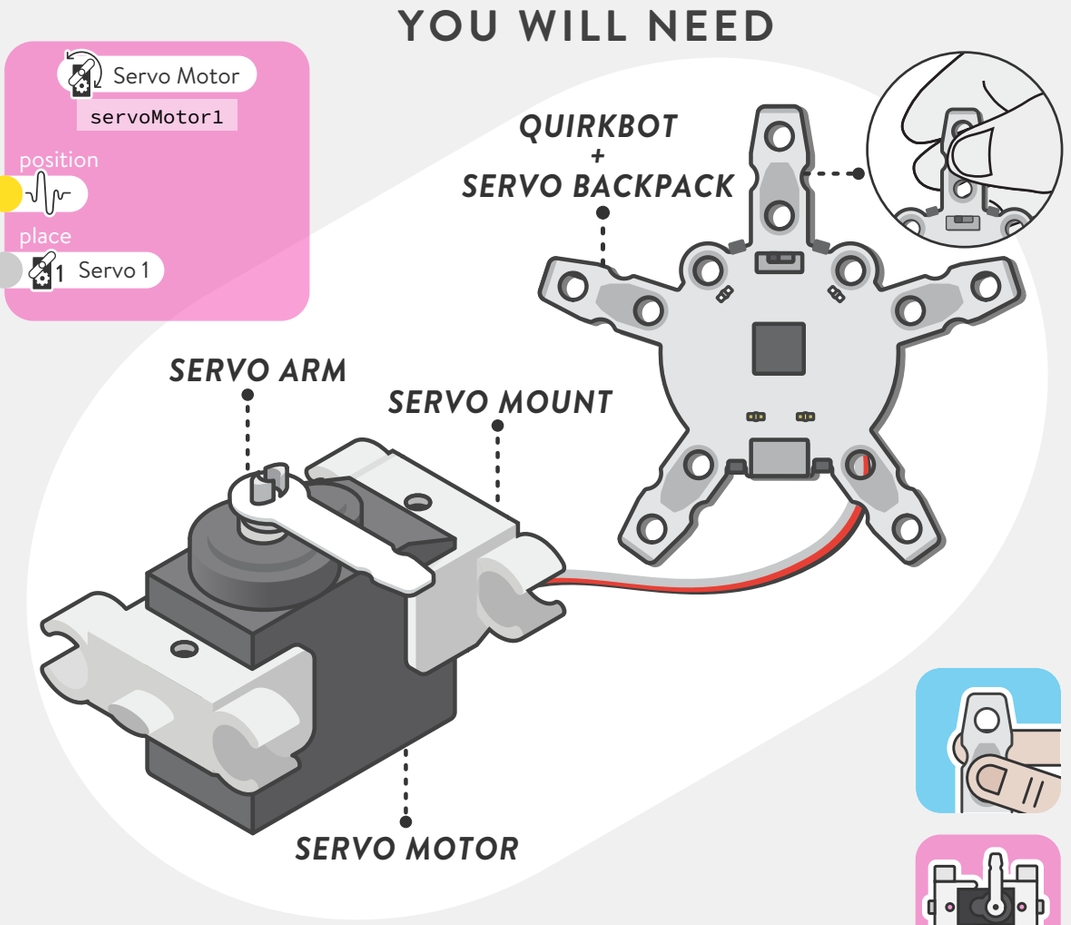
SWITCH STEADY AND RANDOM LIGHT



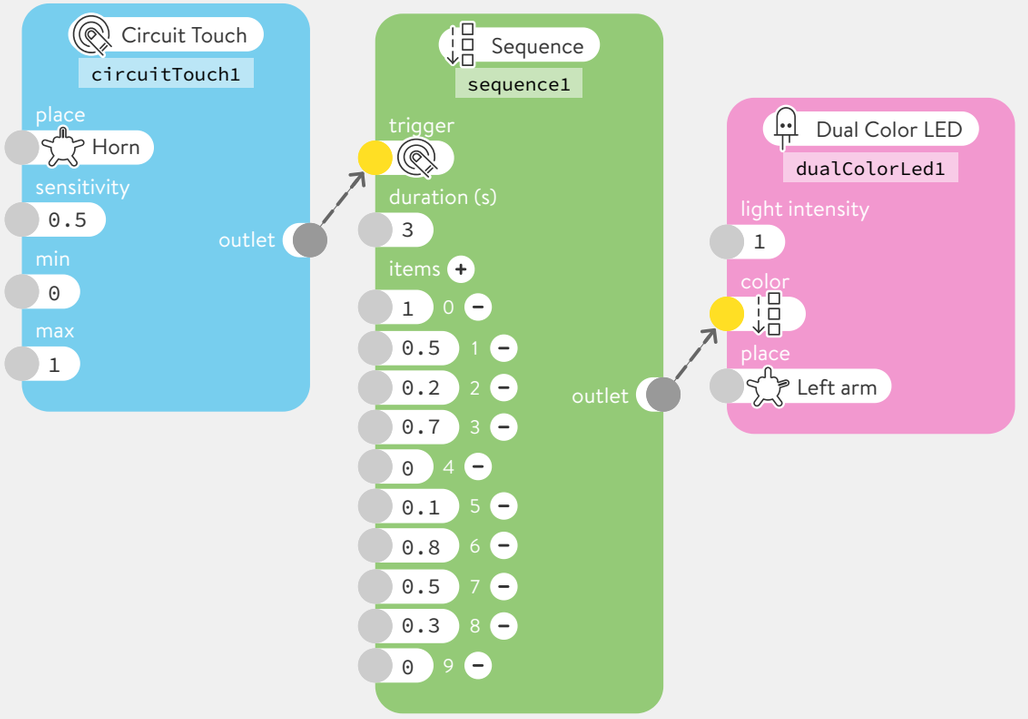


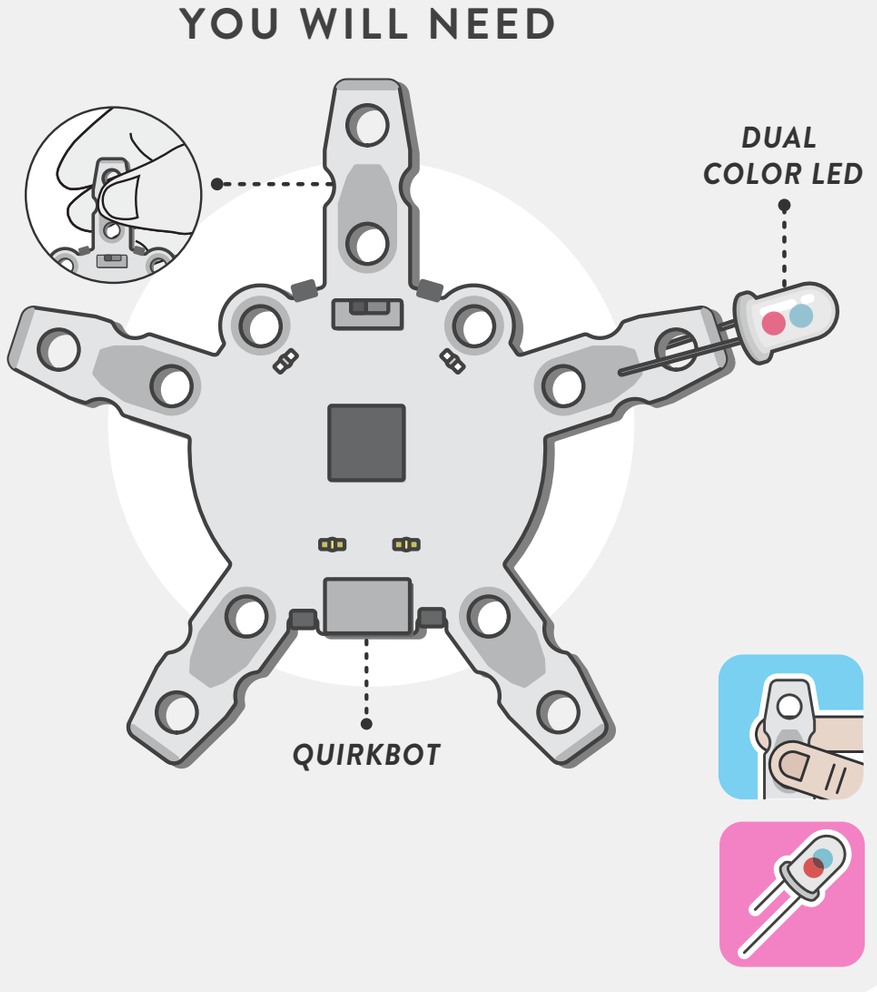
SWITCH FAST AND SLOW MOVEMENT



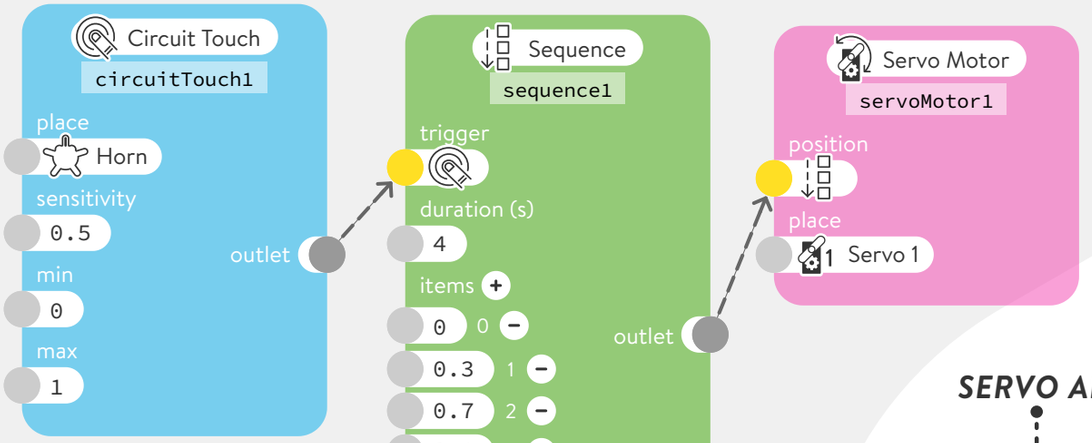


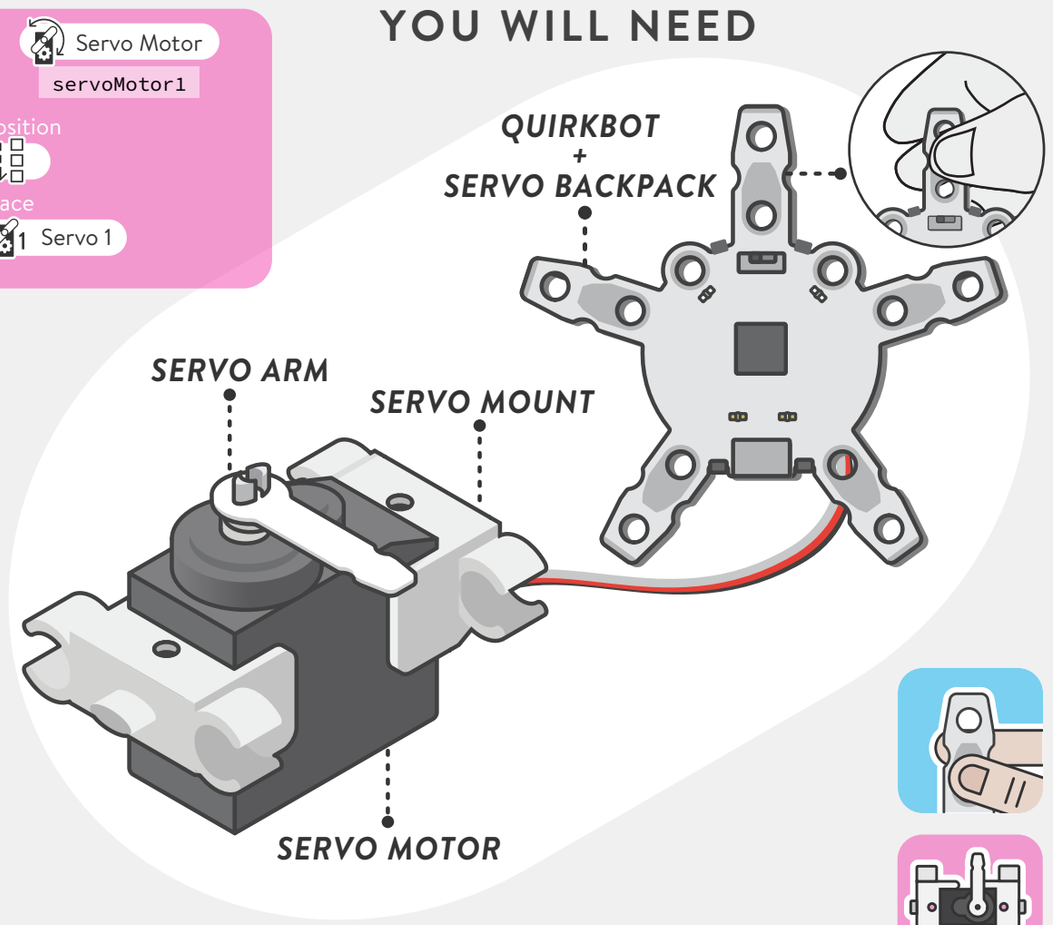
TOUCH TO CHANGE COLOR 10 TIMES



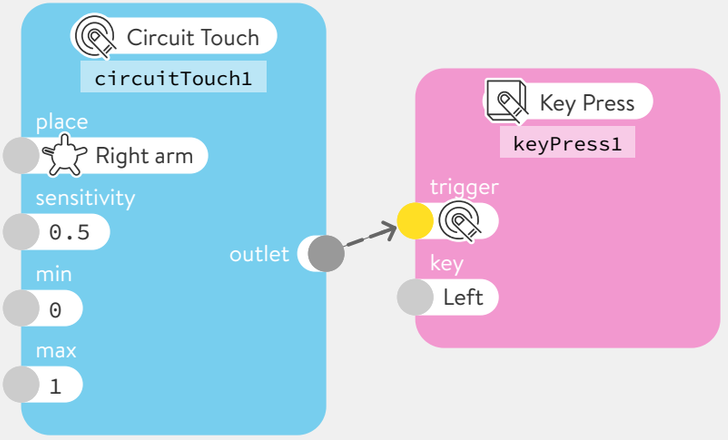


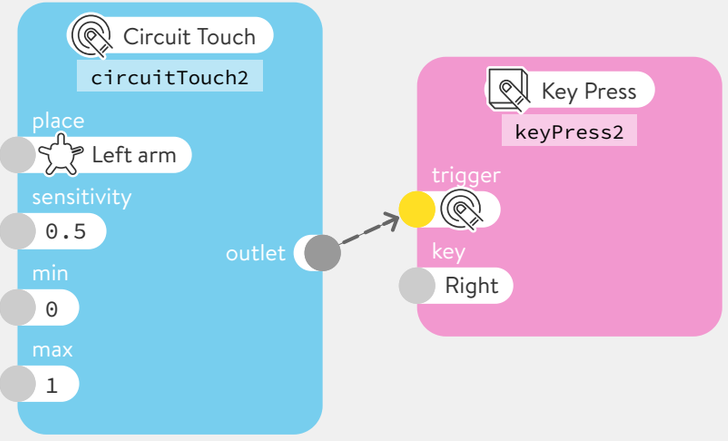
TRIGGER MOVEMENT PATTERN



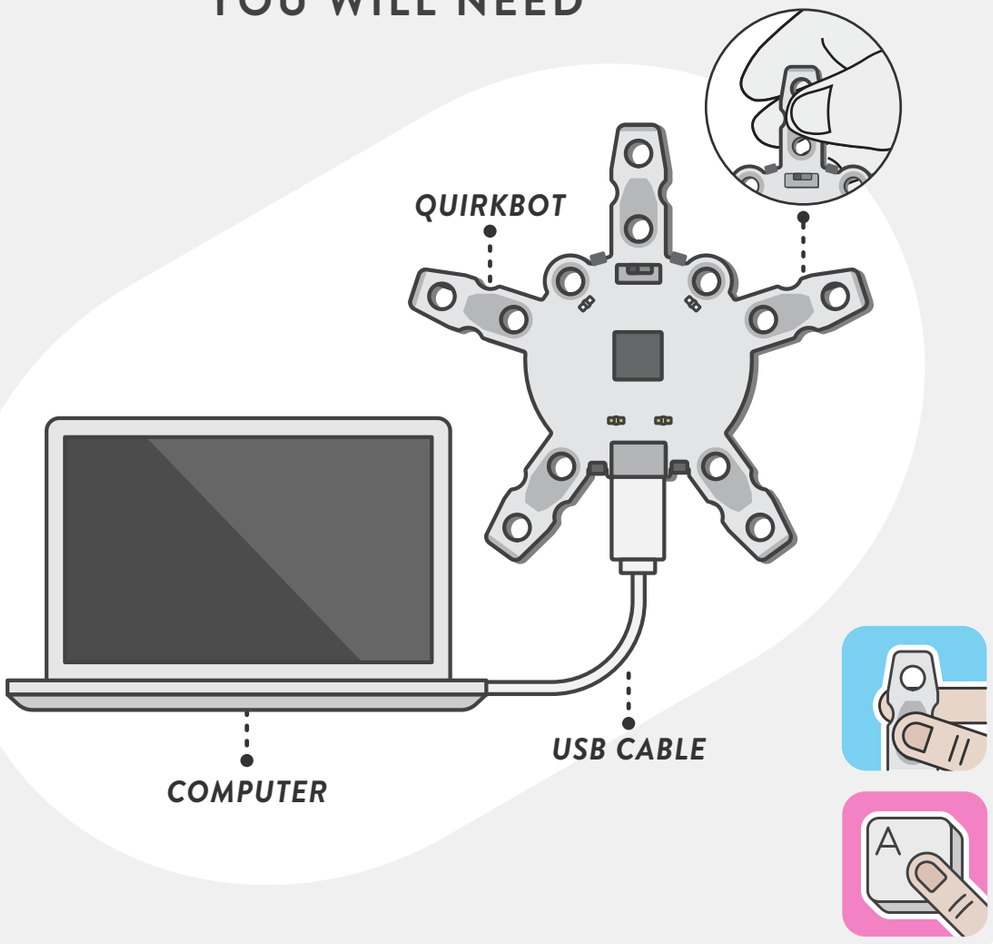


PRESS LEFT AND RIGHT KEYS

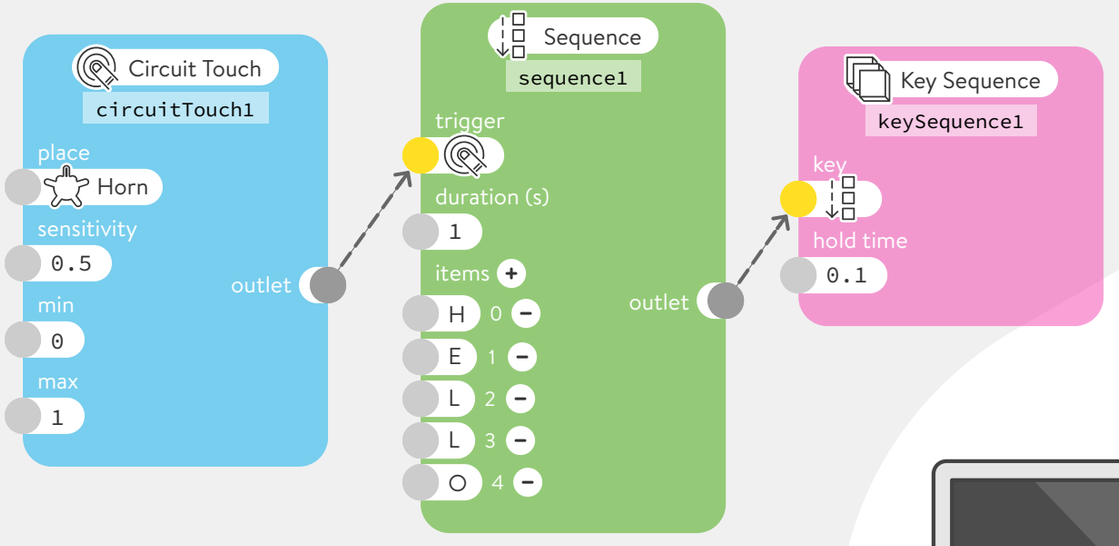




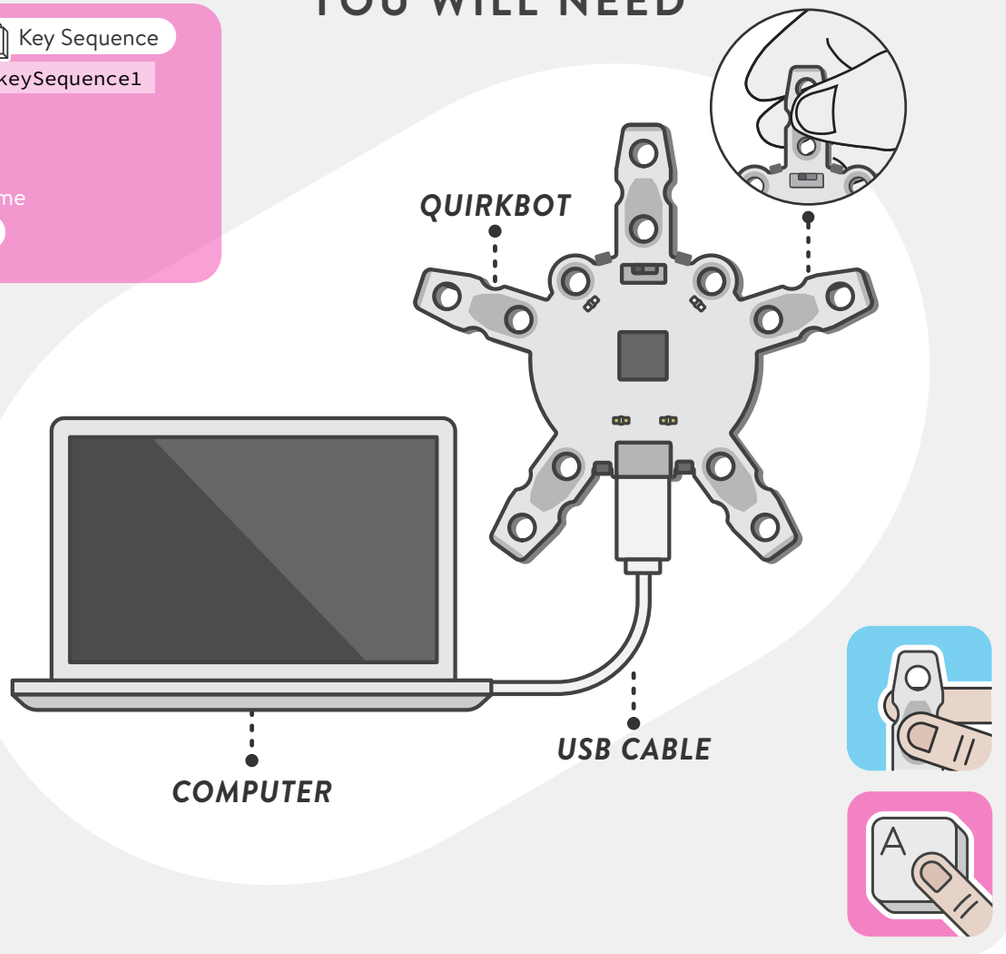
YOU WILL NEED



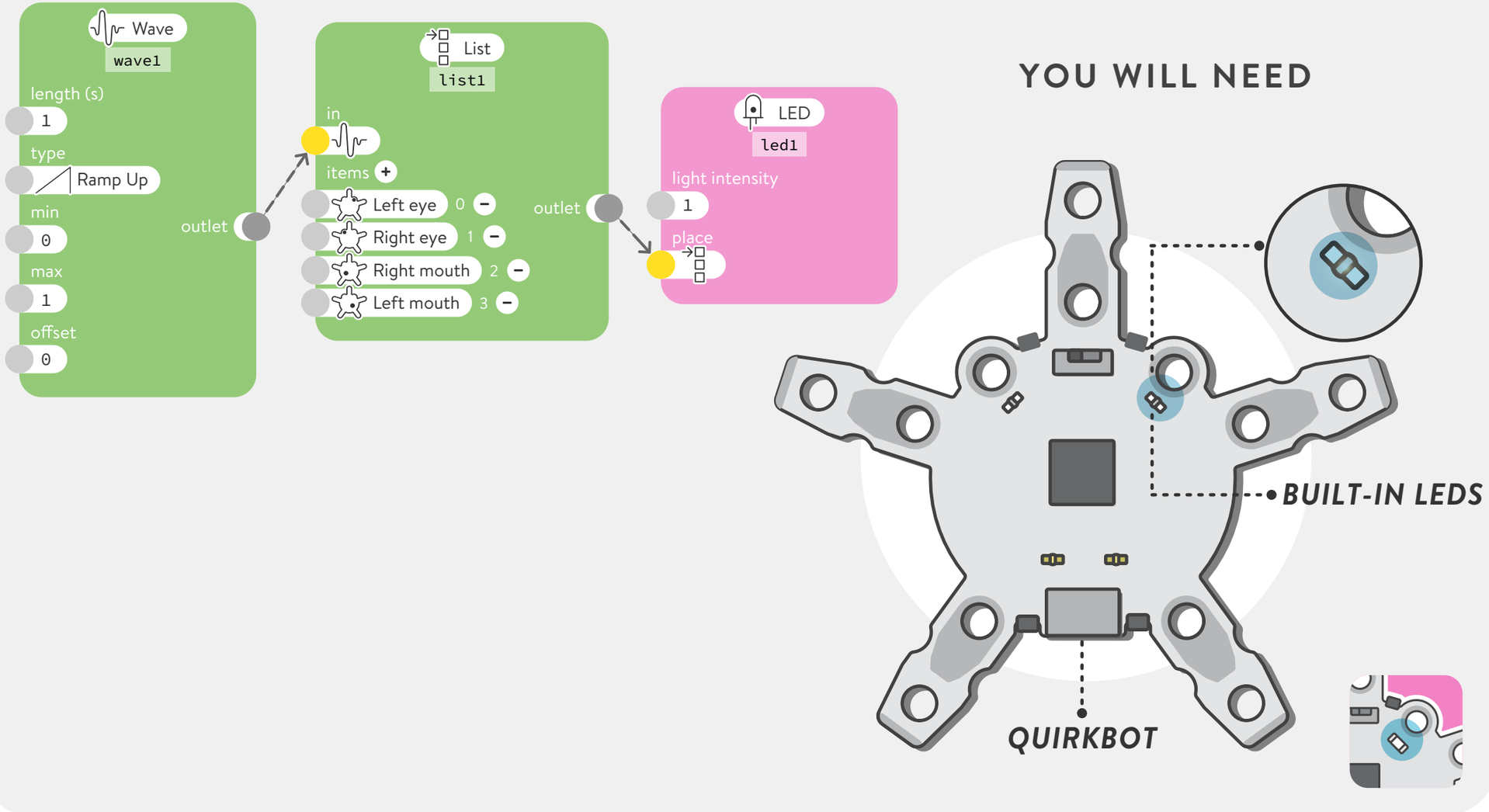
WRITE ‘HELLO’ IN ONE SECOND



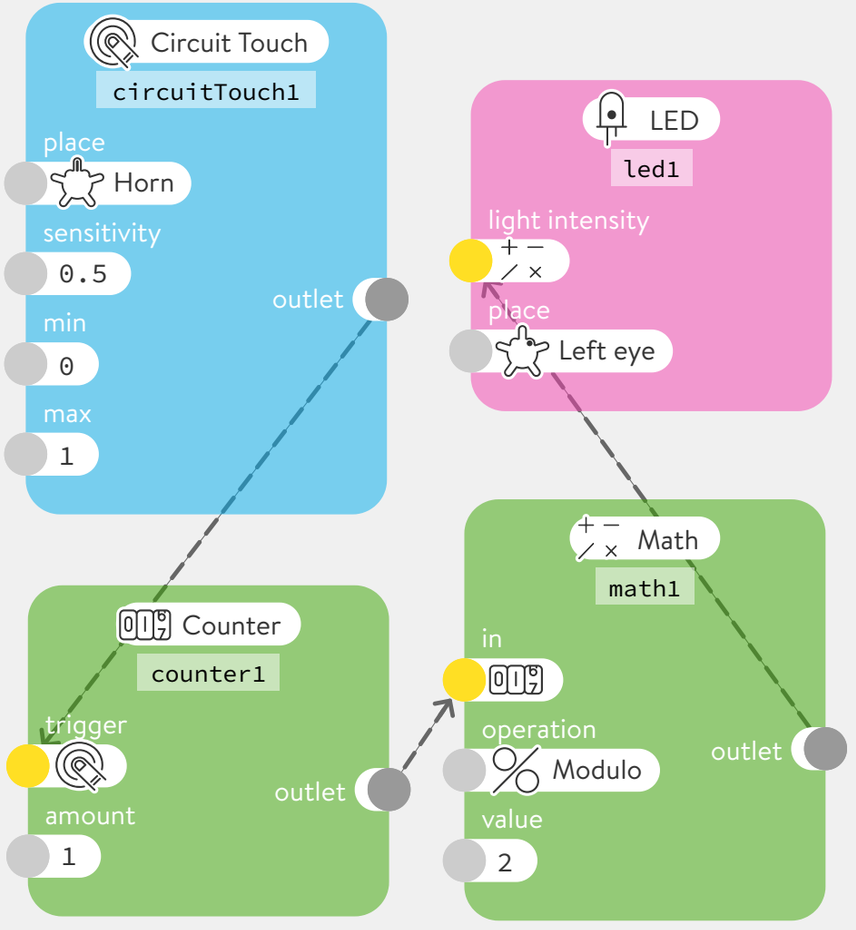
YOU WILL NEED



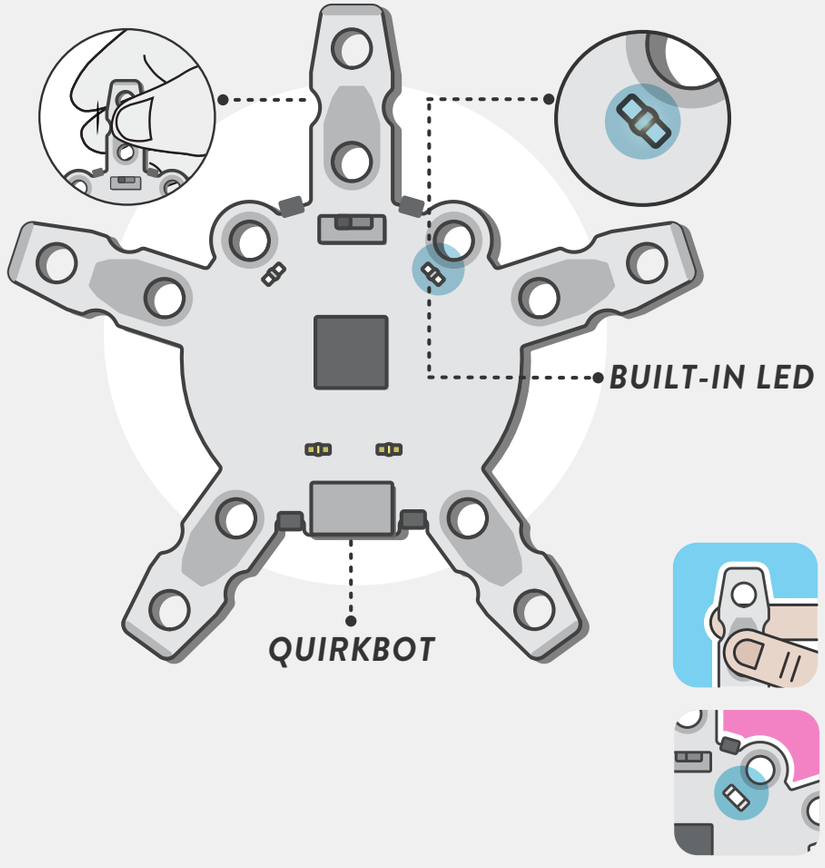
CIRCLE LEDS


Wave
wave1
length (s)
1
type
Ramp Up
min
0
max
1
offset
0
outlet
List
list1
in
items
Left eye 0
Right eye 1
Right mouth 2
Left mouth 3
outlet
LED
led1
light intensity
1
place
YOU WILL NEED
BUILT-IN LEDS
QUIRKBOT

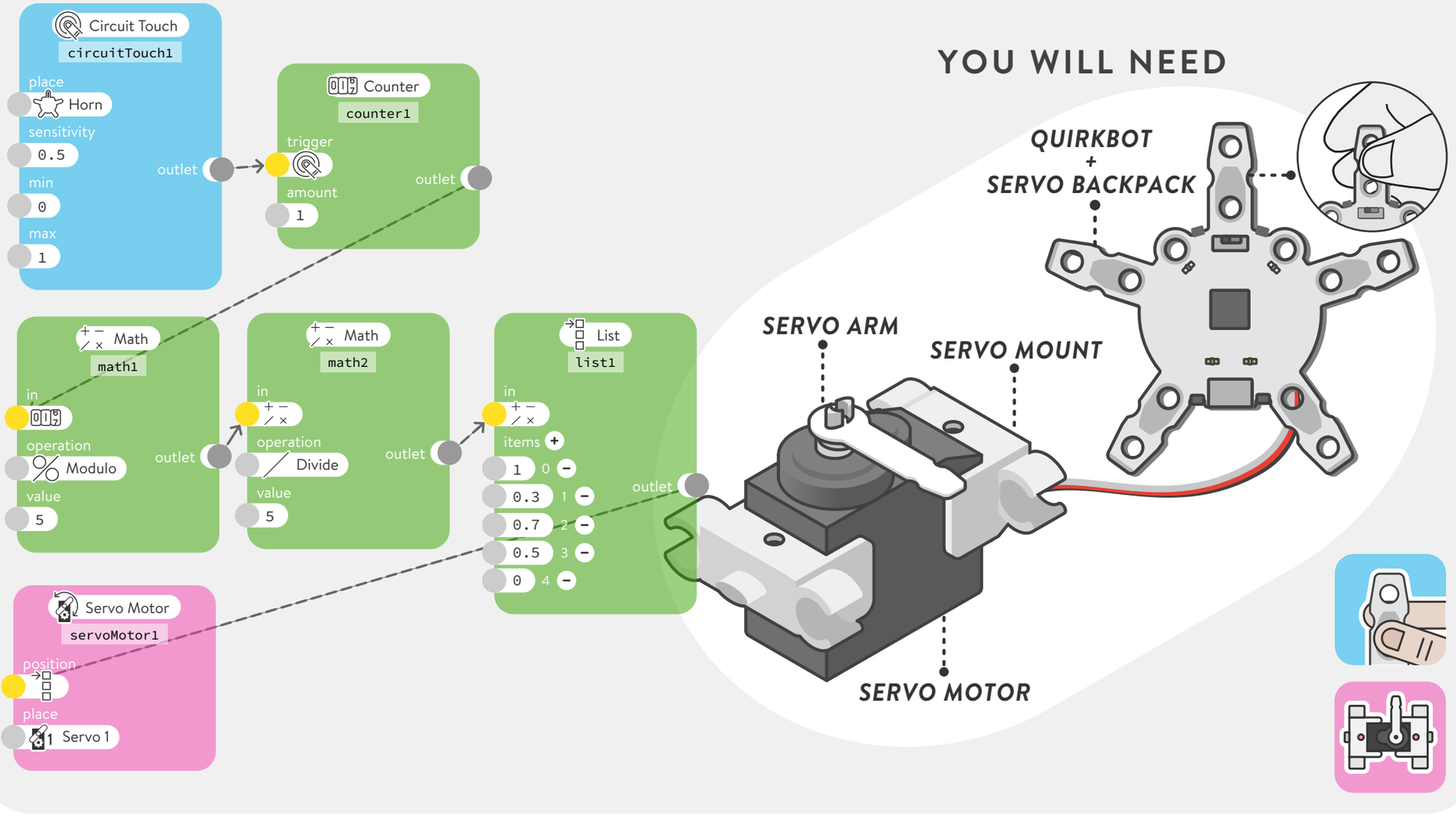
TOUCH LIGHT SWITCH



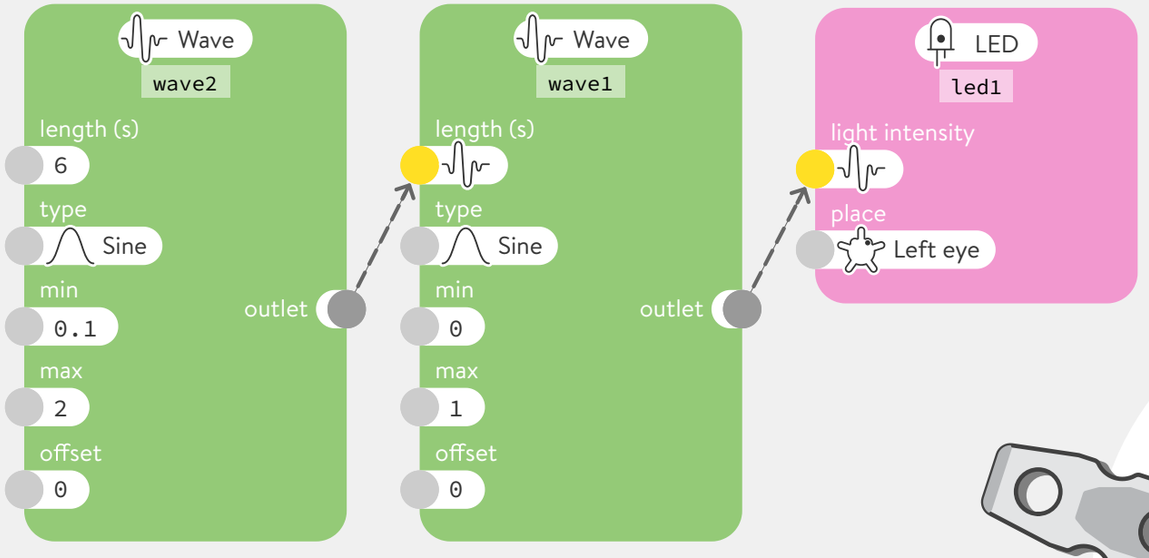
YOU WILL NEED

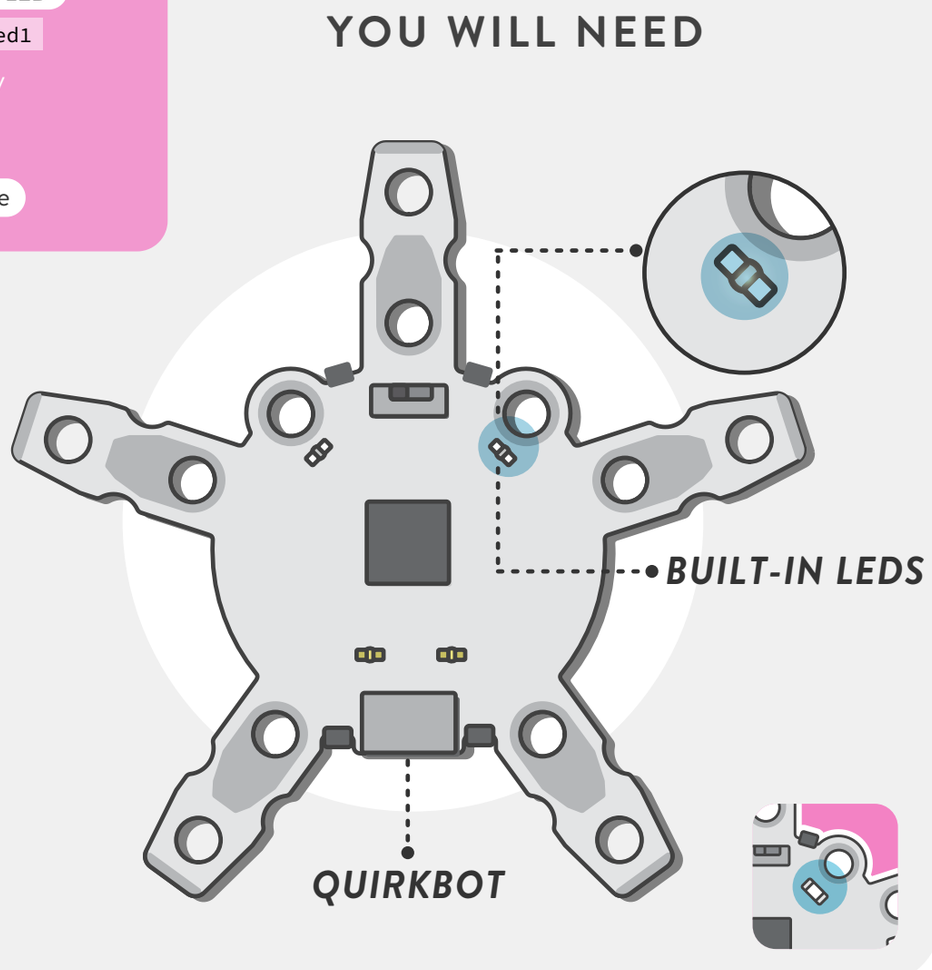


ADVANCE MOTOR POSITION

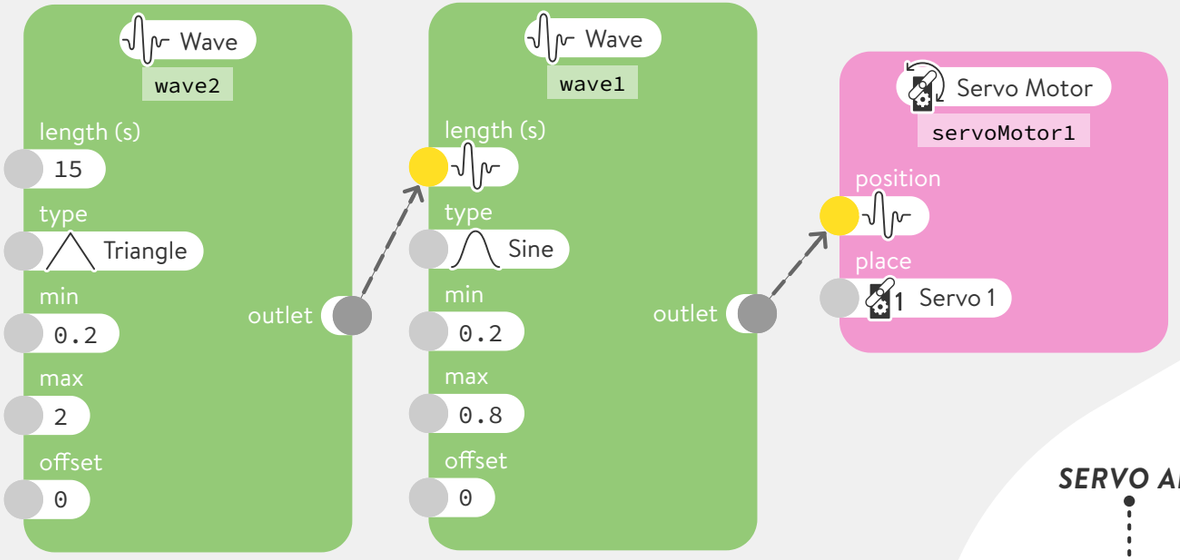


COMPLEX BRIGHTNESS CHANGE

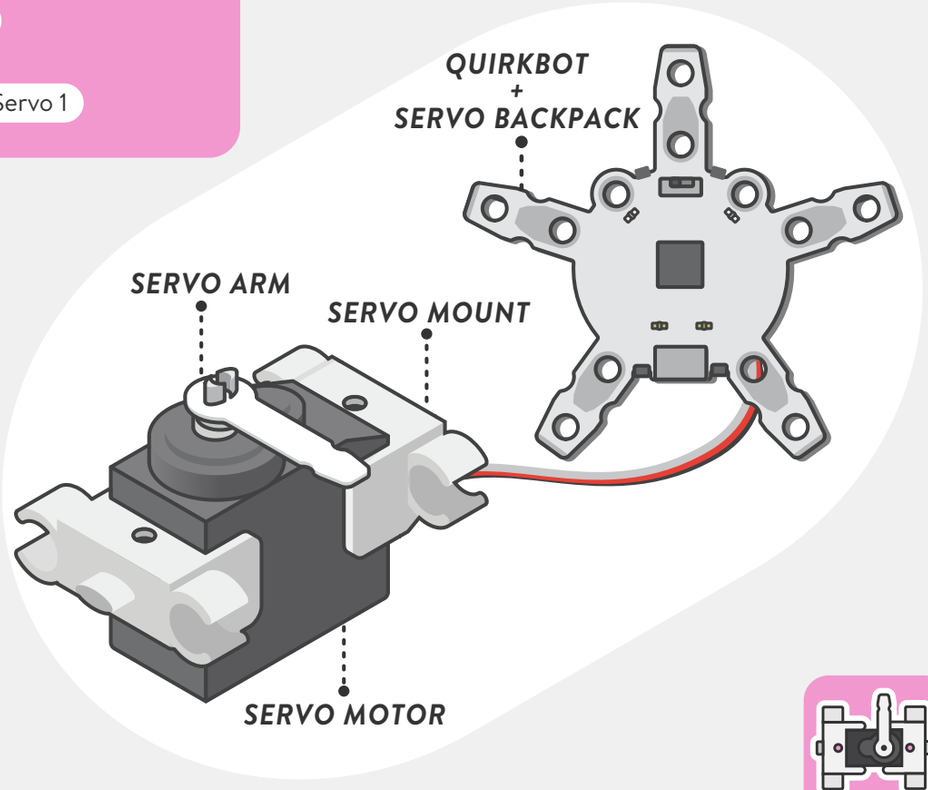




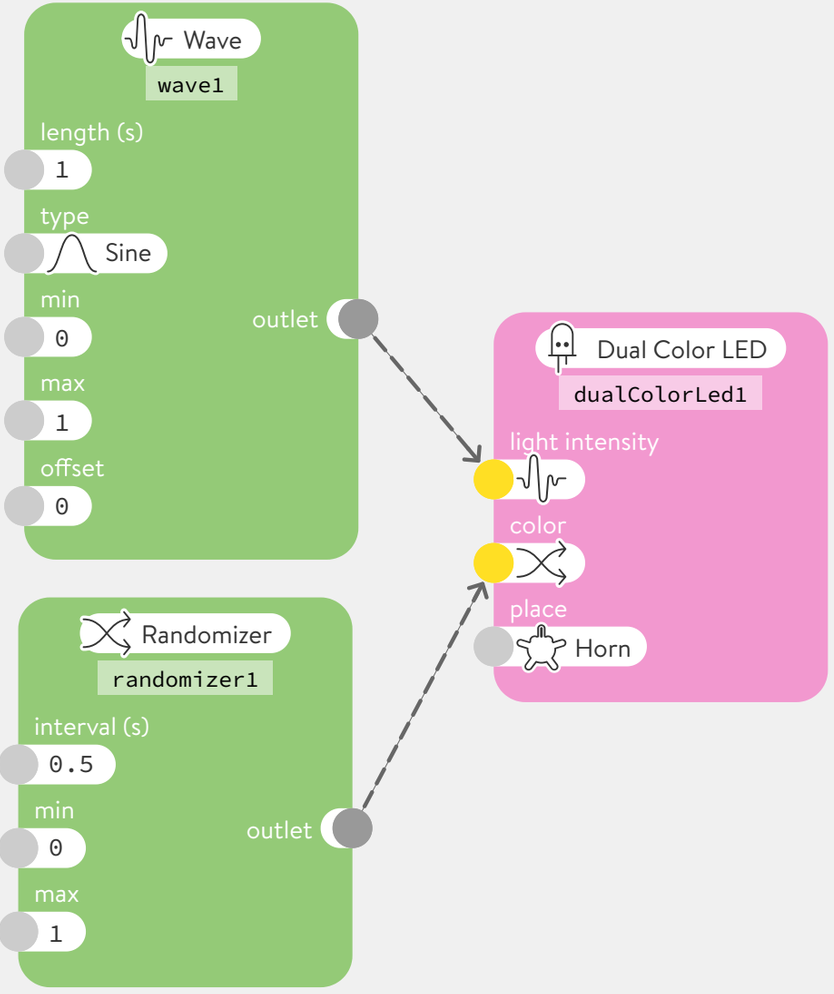
WAVE QUICK AND SLOW



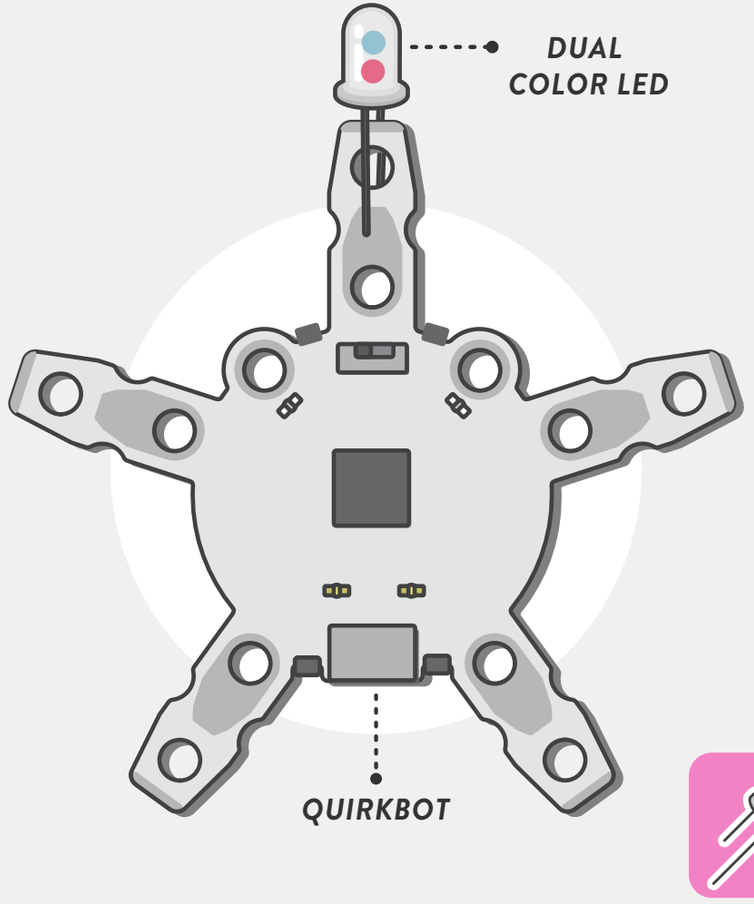
YOU WILL NEED



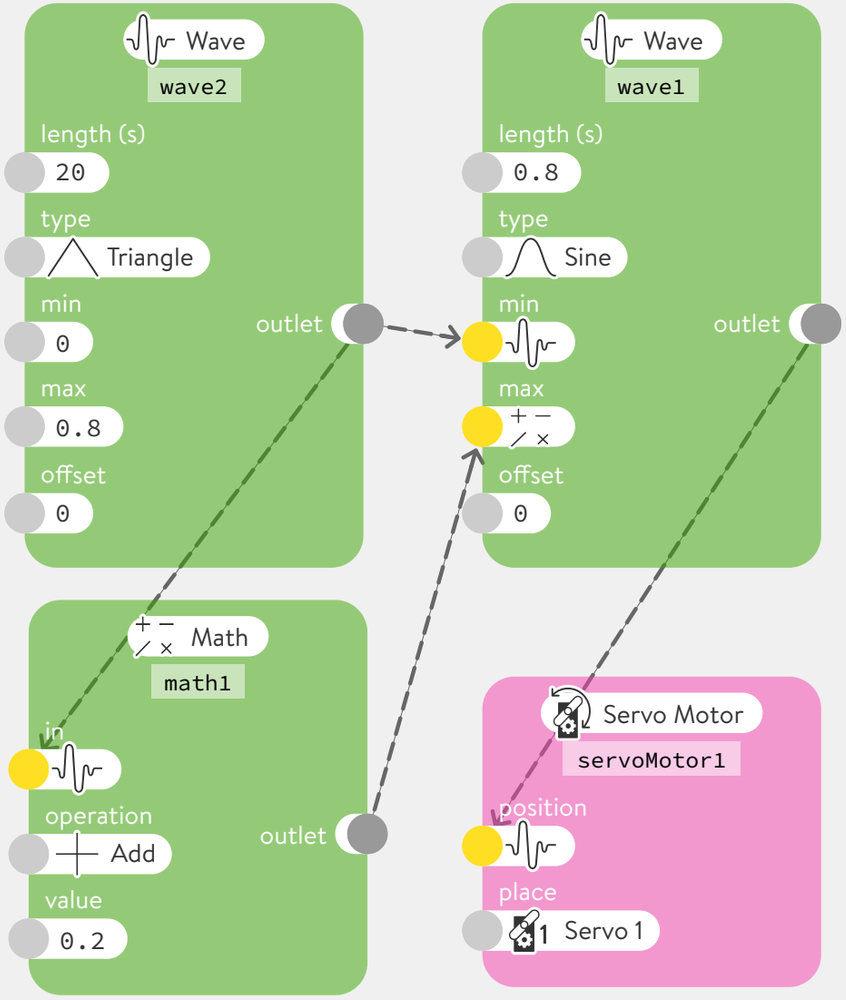
CHANGE BOTH COLOR AND BRIGHTNESS



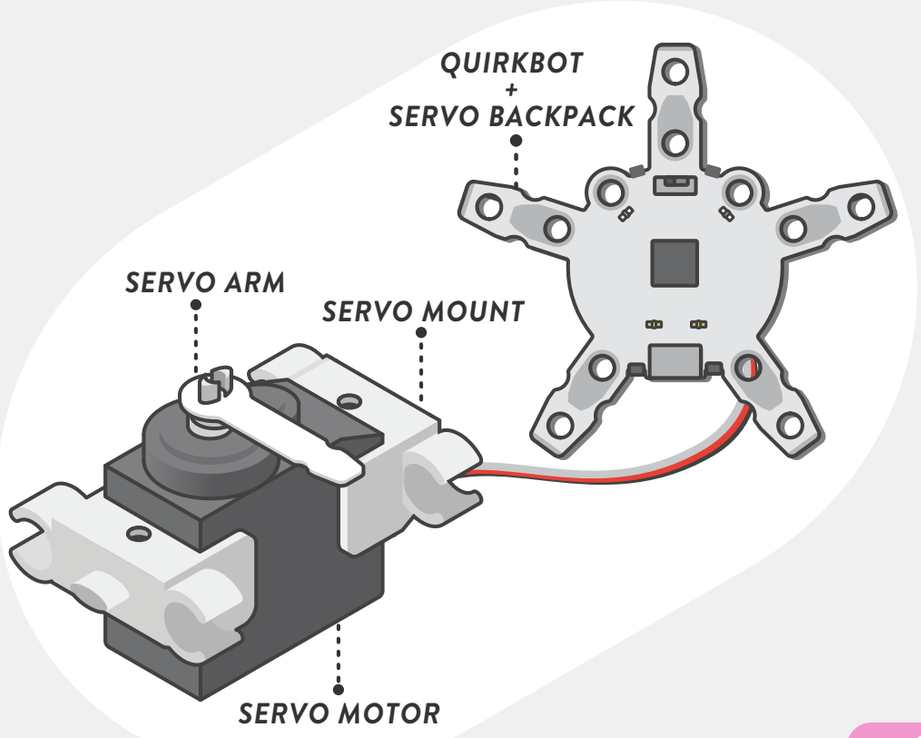
YOU WILL NEED



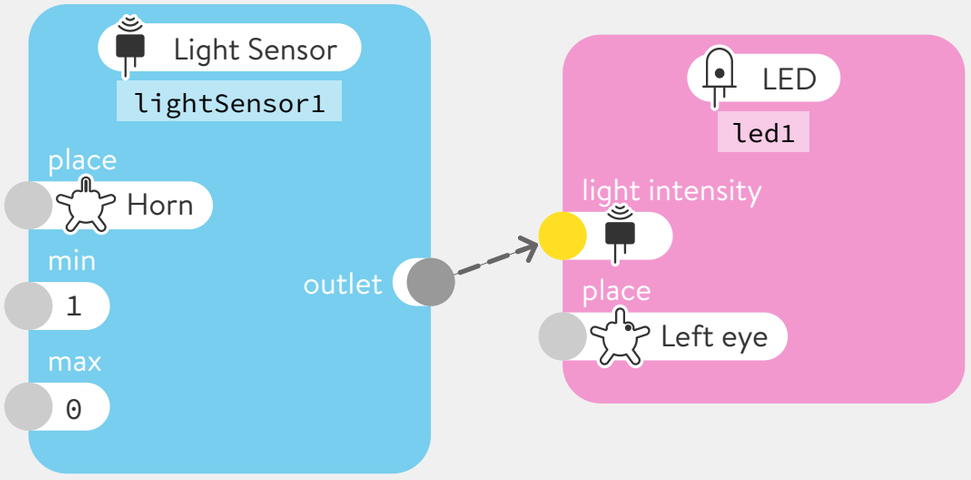
DOUBLE OSCILLATION



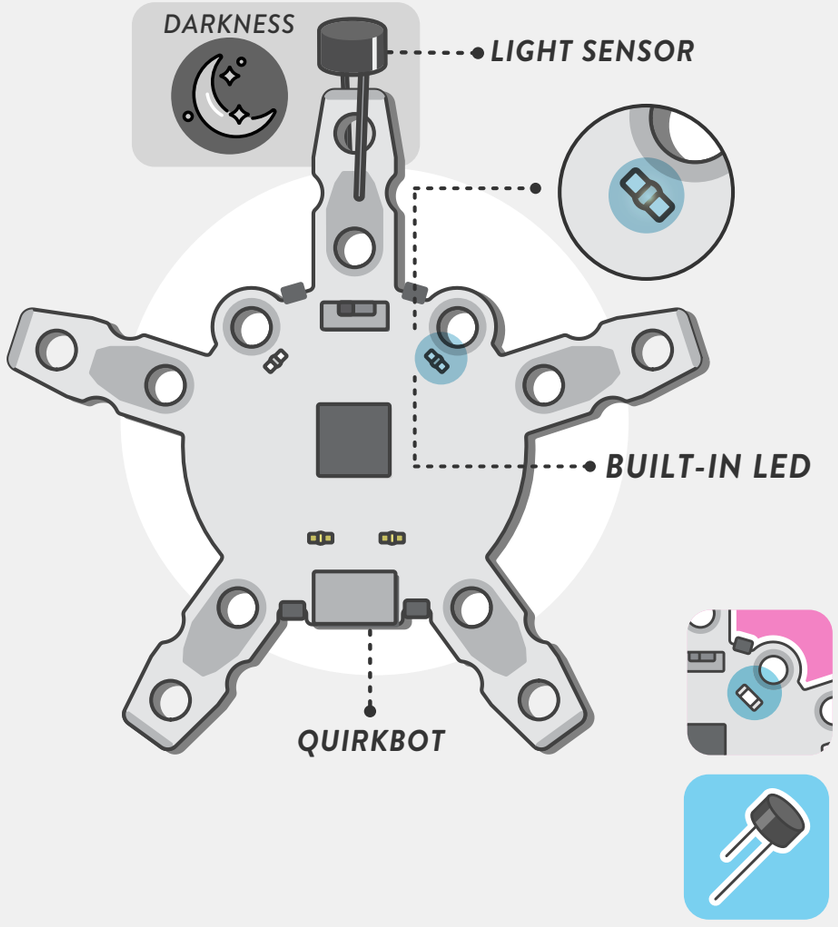
YOU WILL NEED



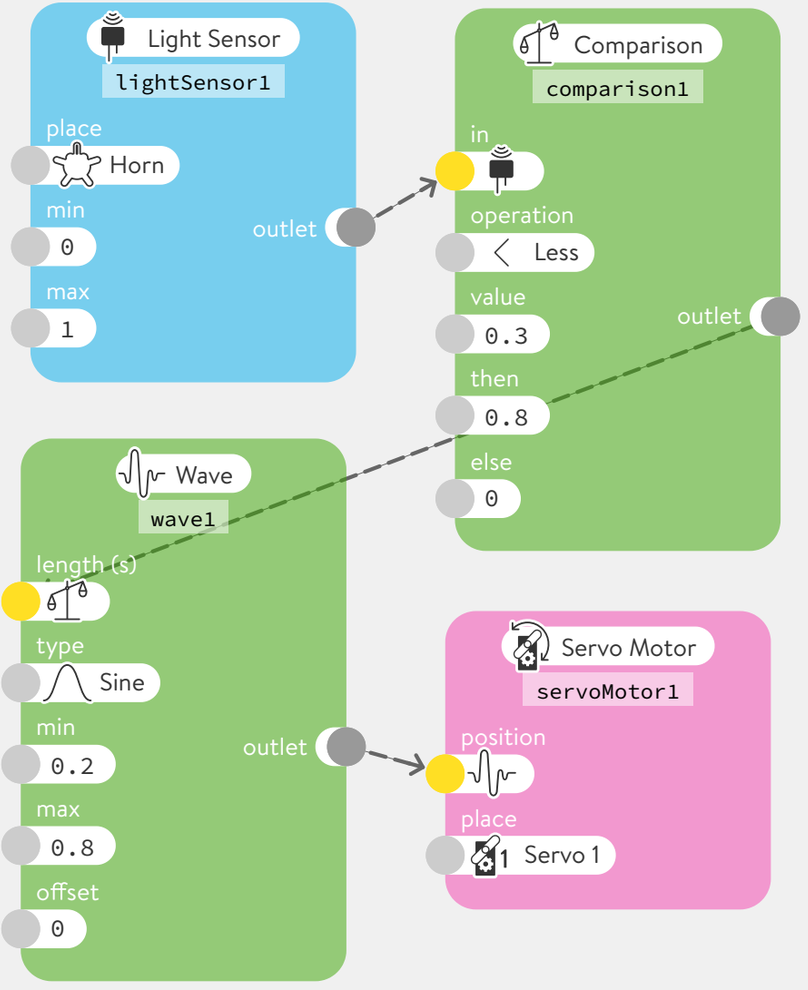
SHINE IN THE DARK

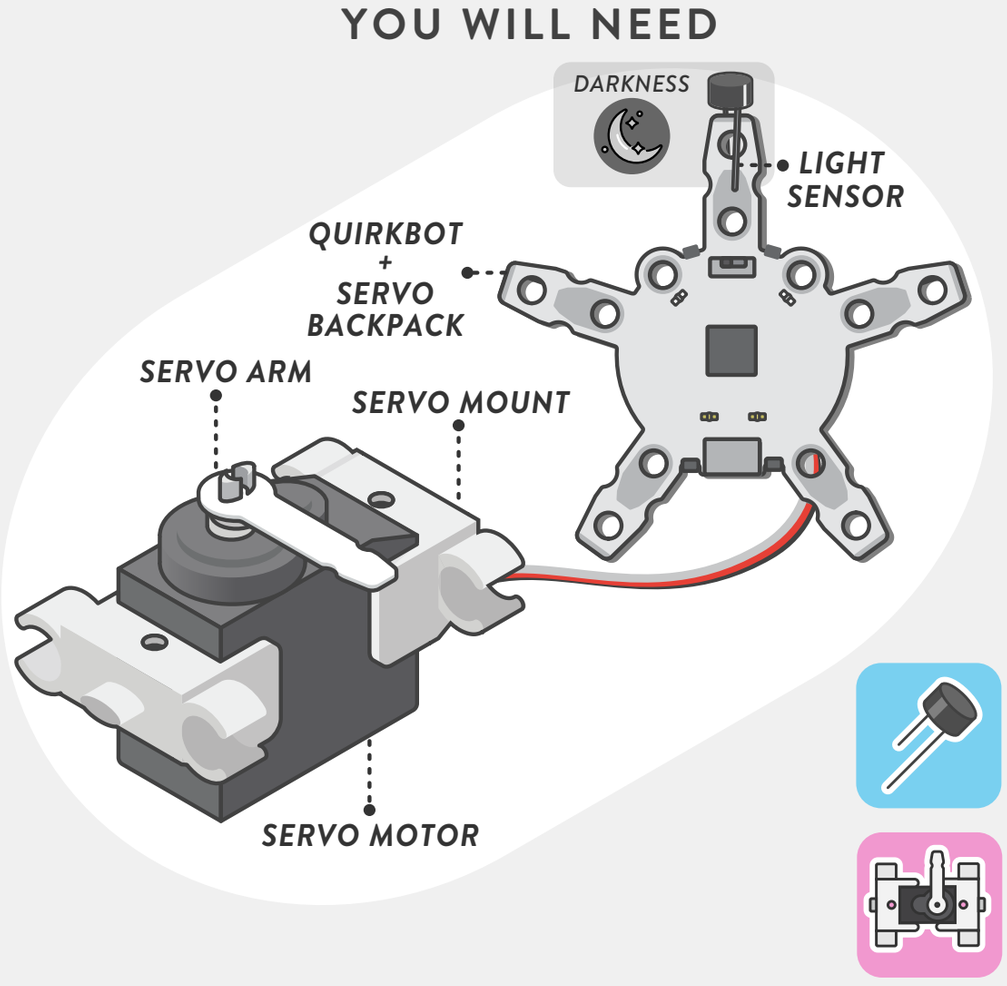


YOU WILL NEED



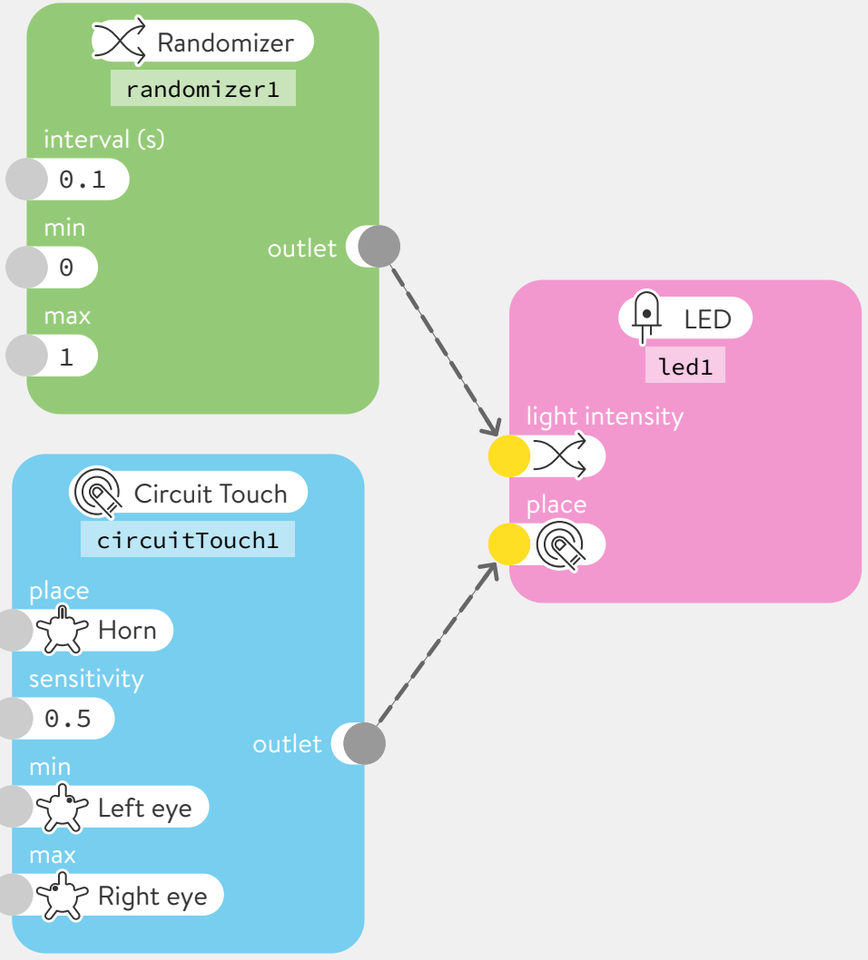
MOVE IN THE DARK



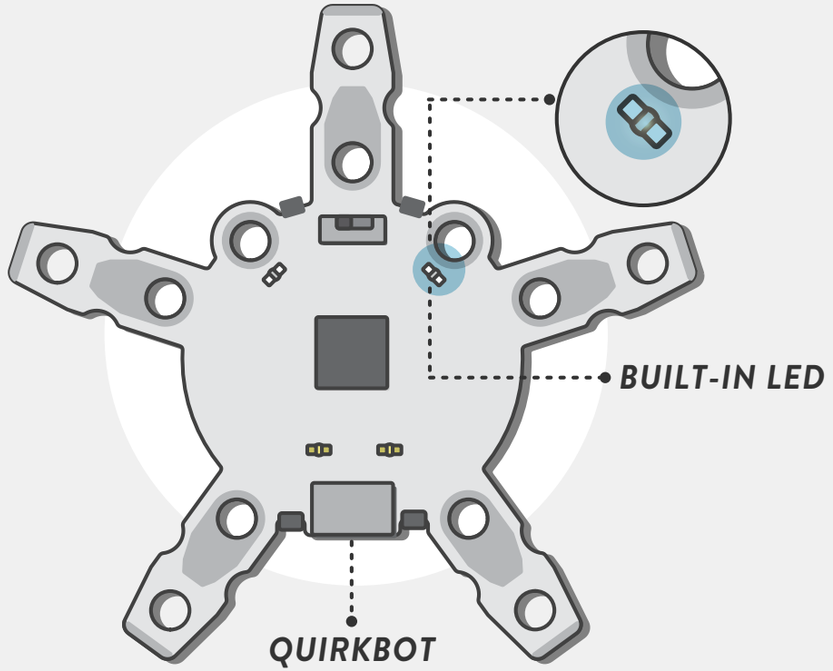


code.strawbees.com

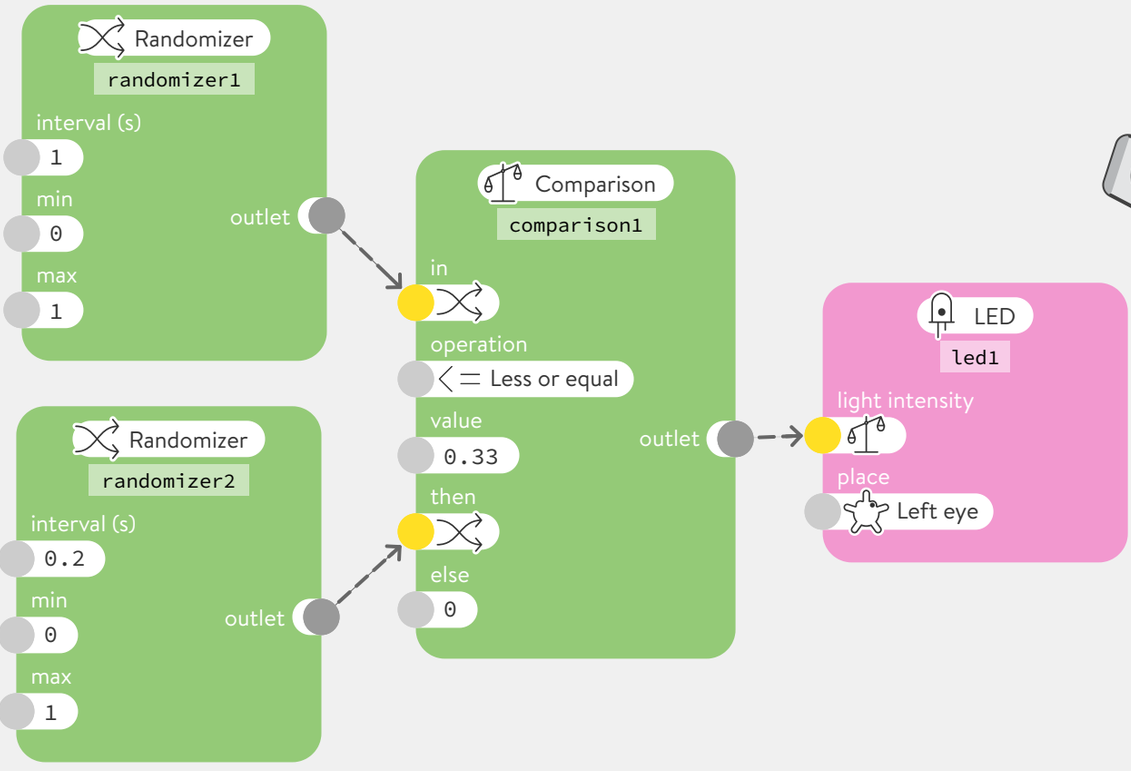
SWITCH TWINKLE EYE



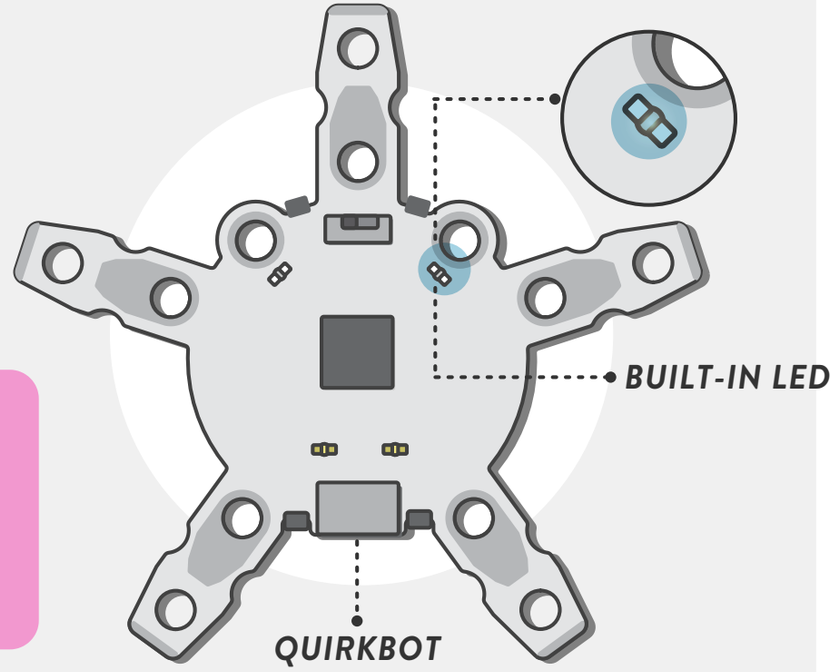
YOU WILL NEED



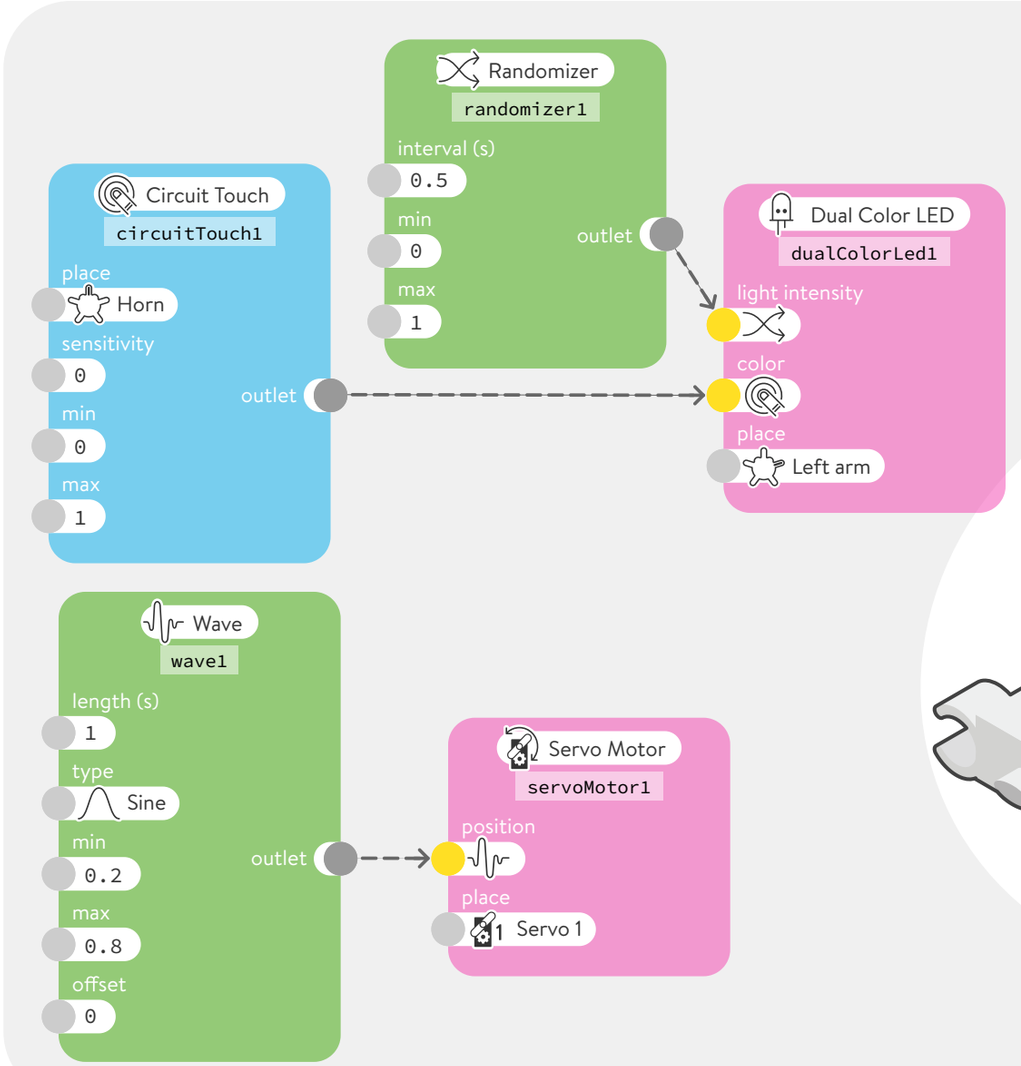
BLINK RANDOMLY 30% OF THE TIME



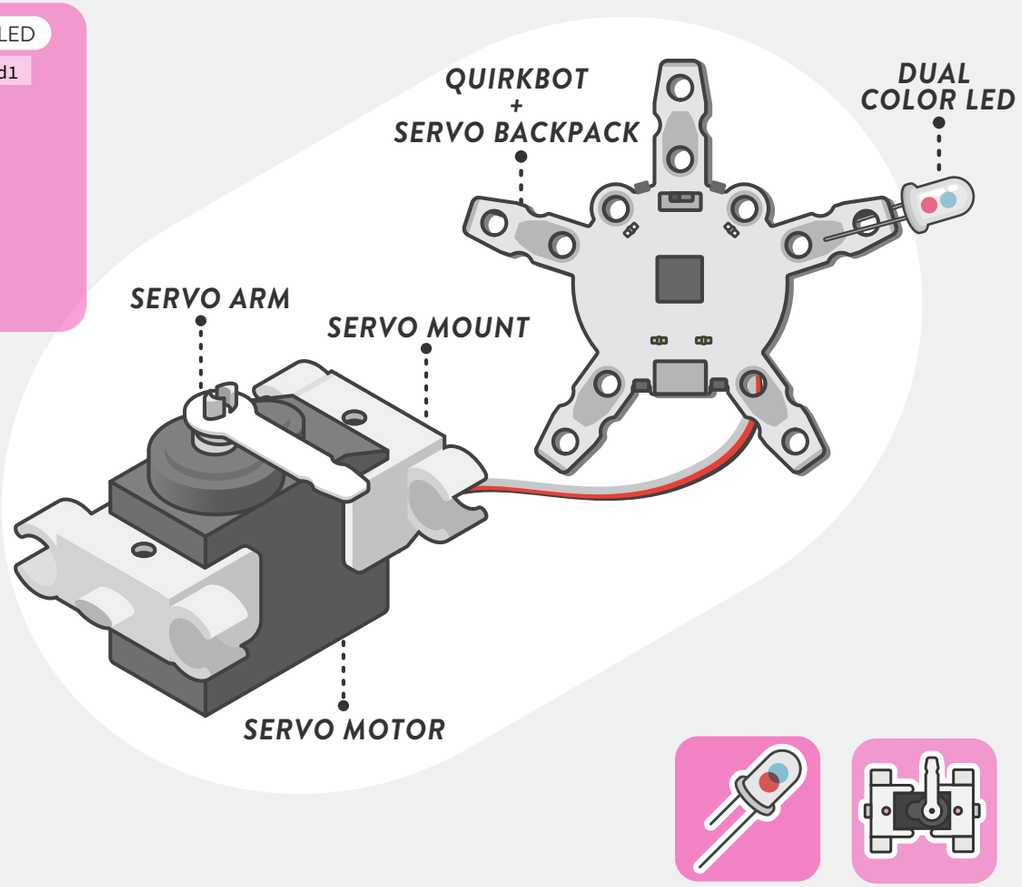
YOU WILL NEED



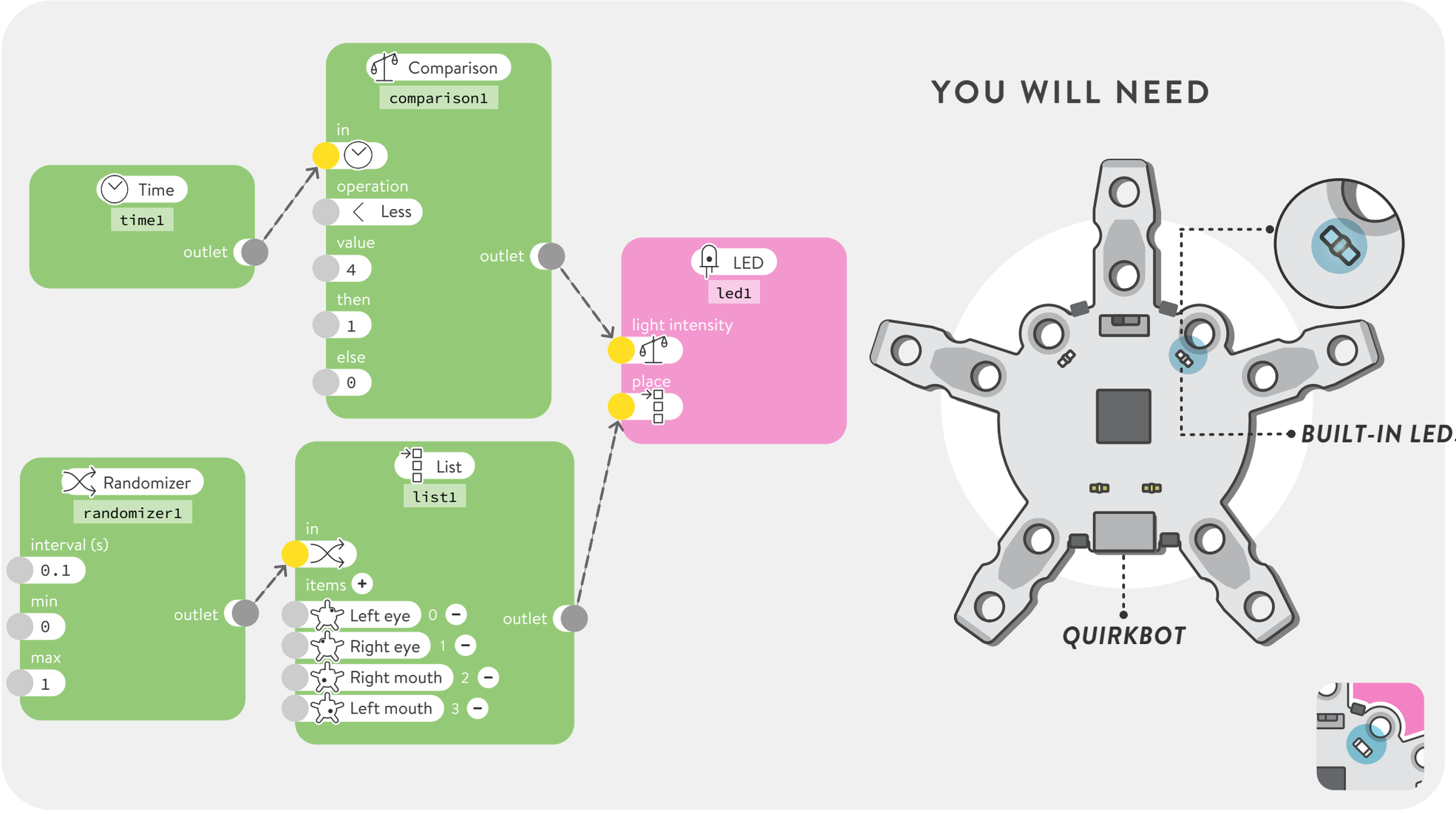
MOVE AND BLINK INDEPENDENTLY



YOU WILL NEED

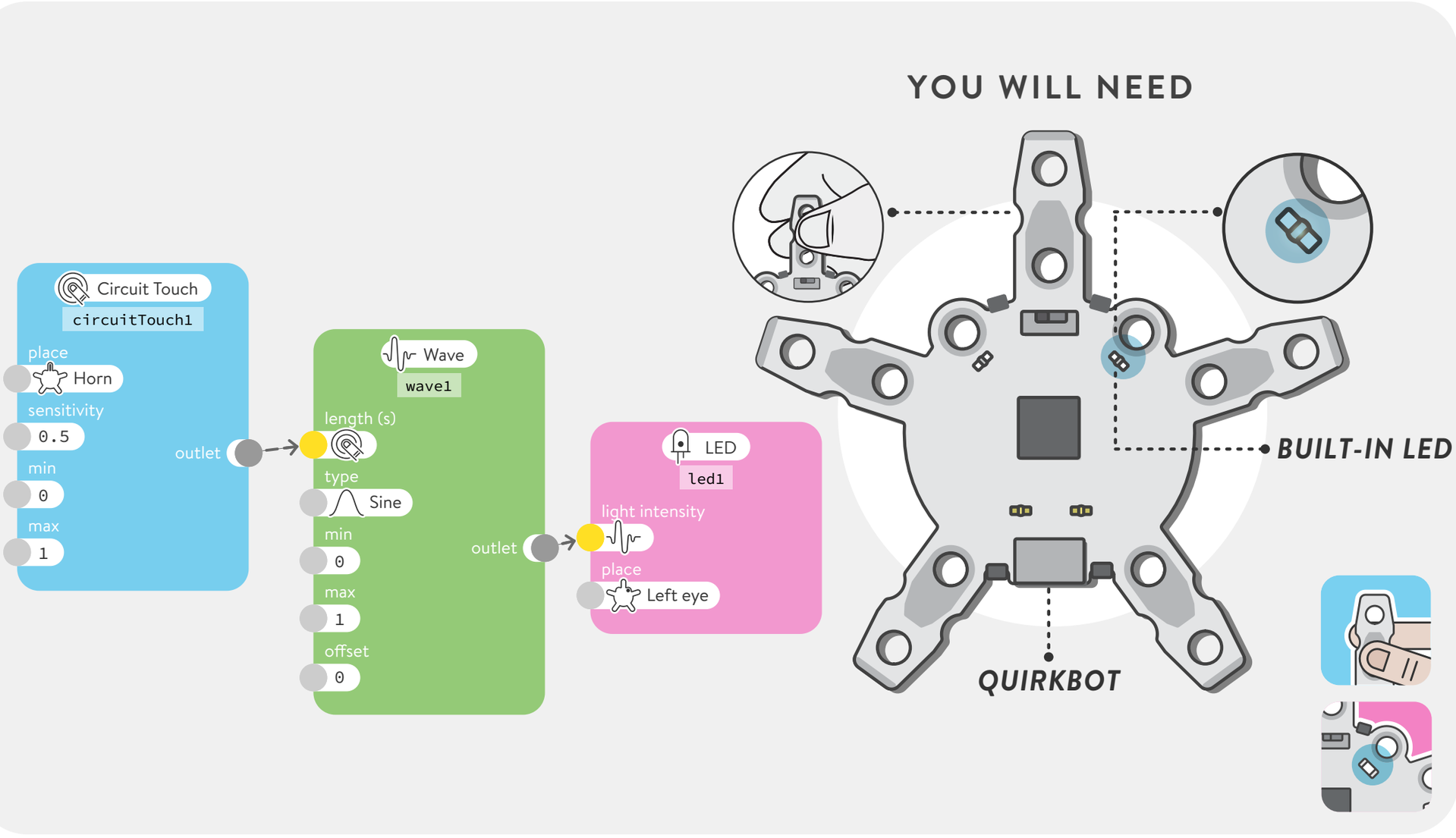


TWINKLE FOR 4 SECONDS AT STARTUP



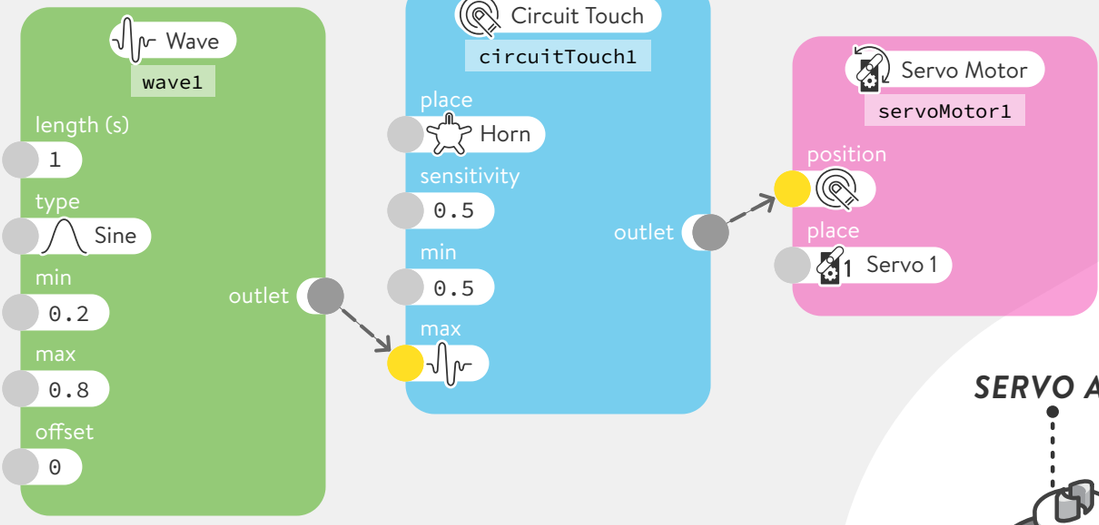
code.strawbees.com

TOUCH TO WINK

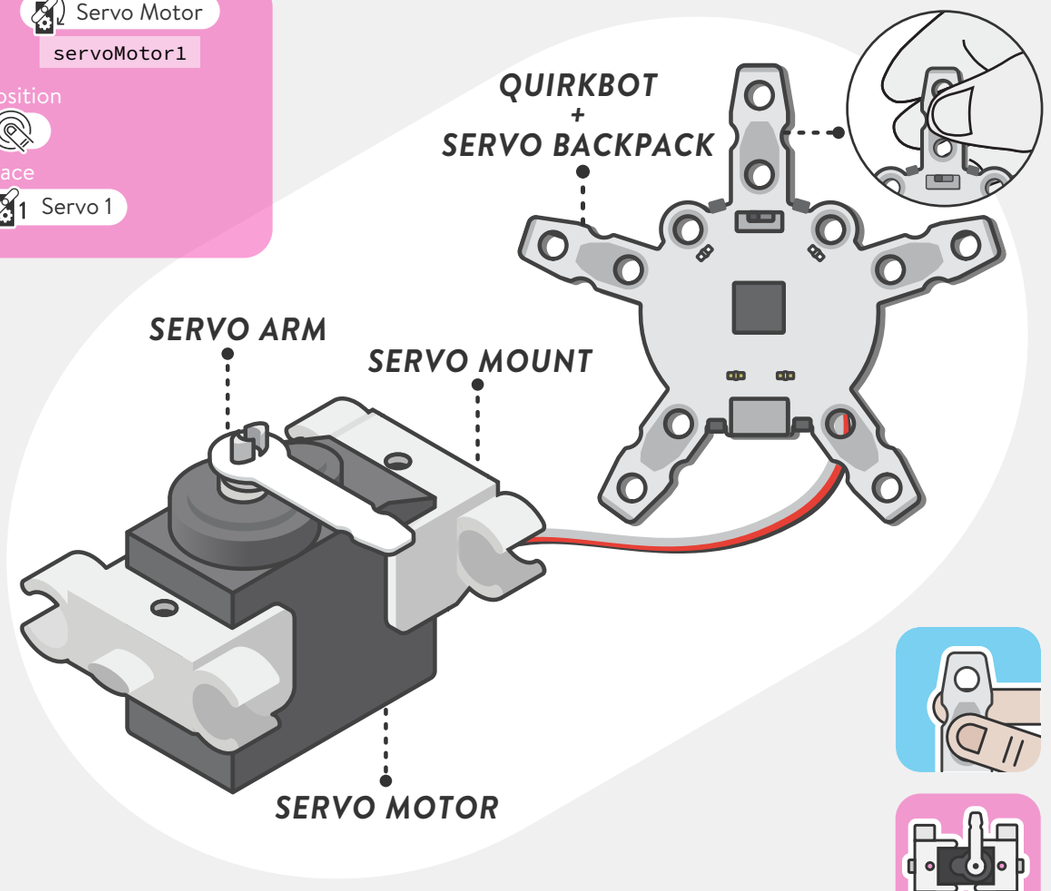


code.strawbees.com

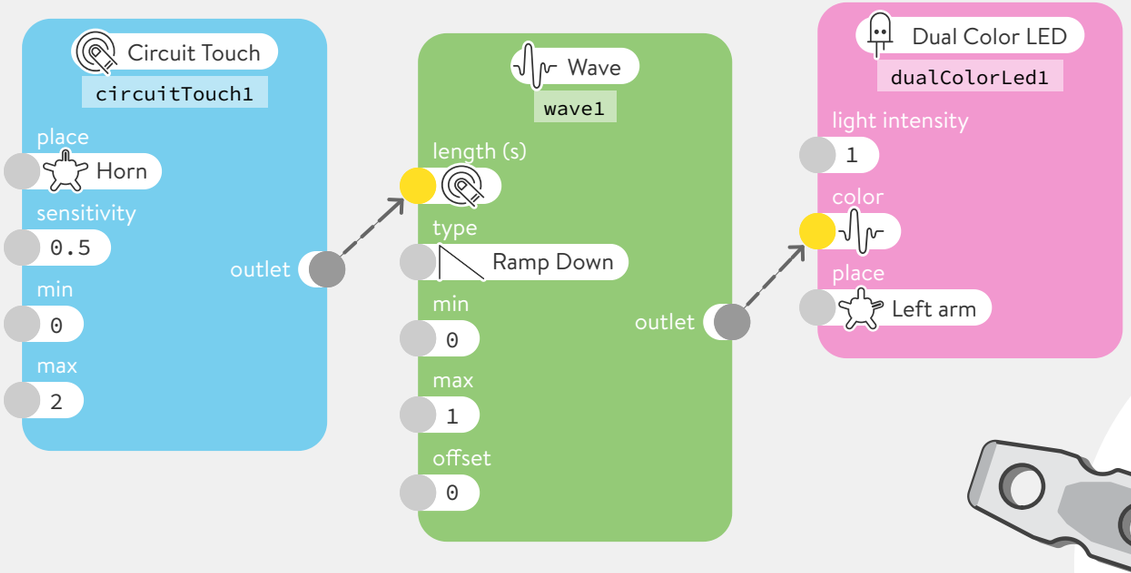
TOUCH TO WAVE

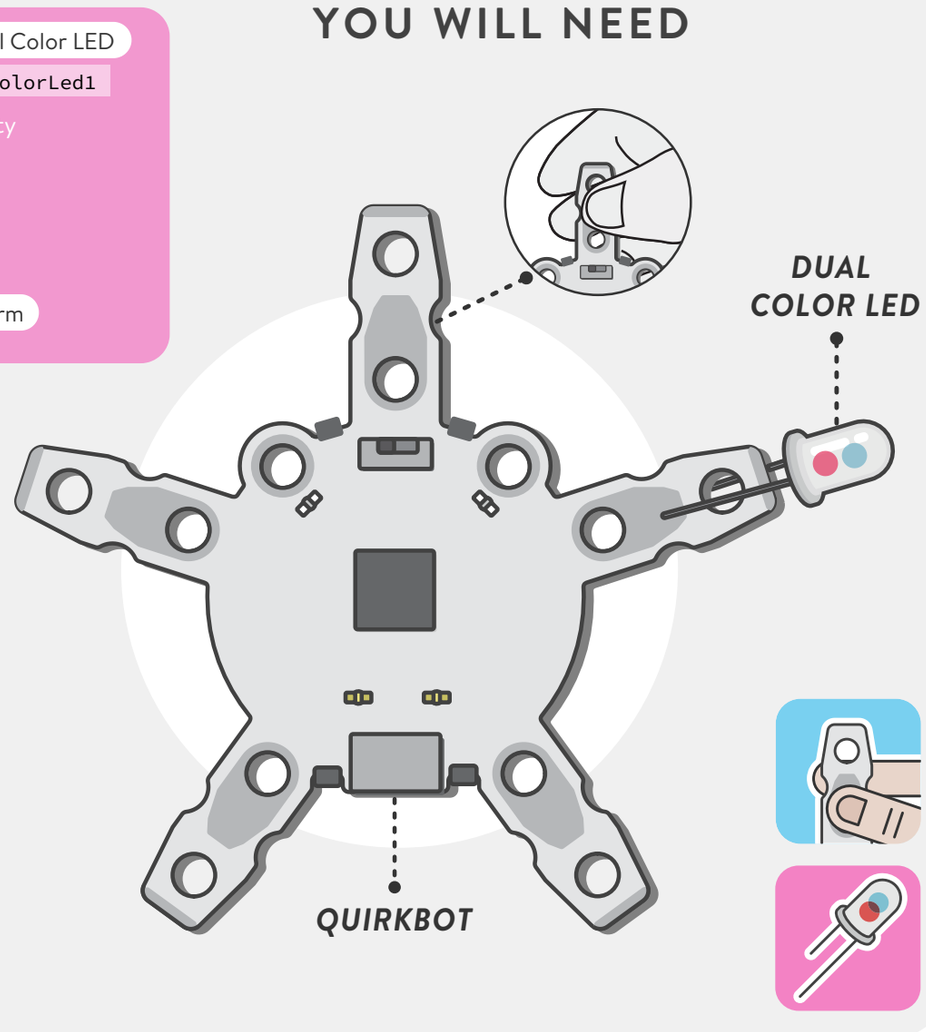


YOU WILL NEED

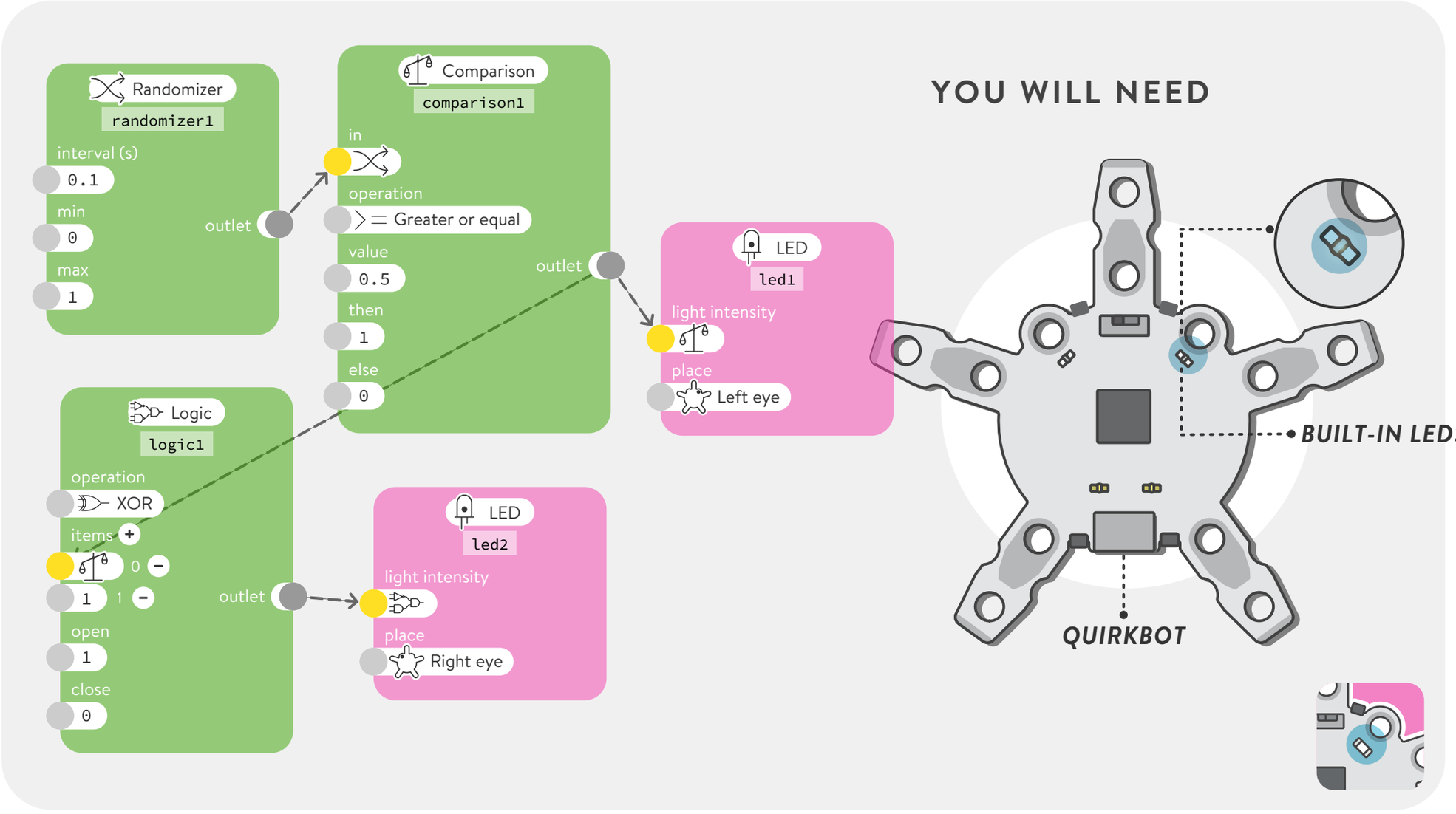


TOUCH TO SIREN LIGHT



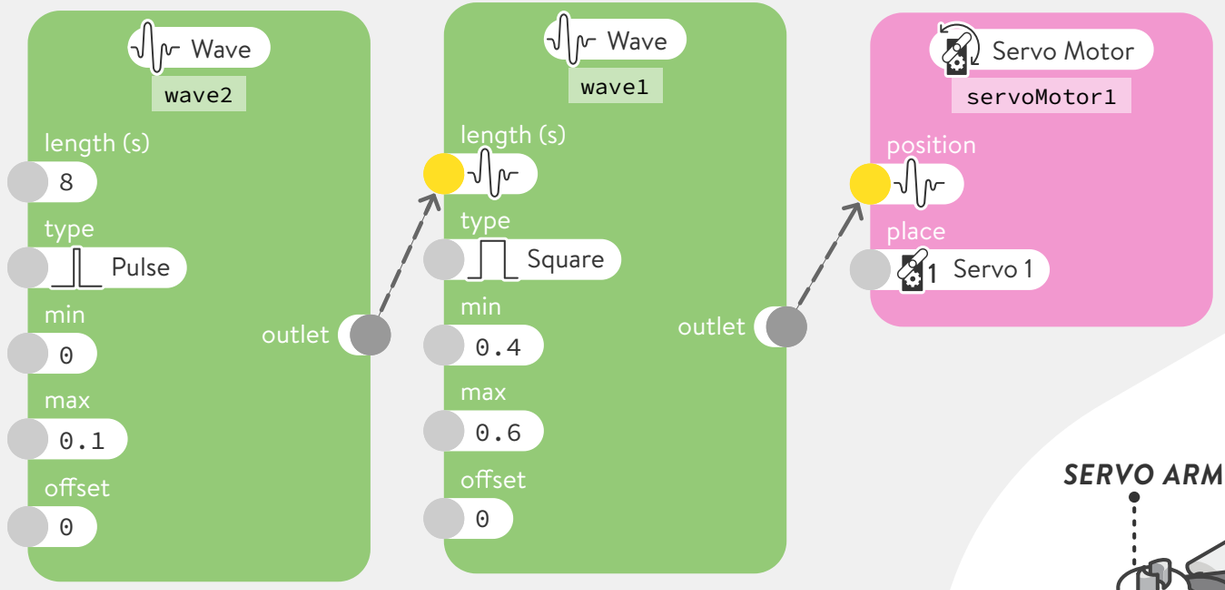


FLICKER

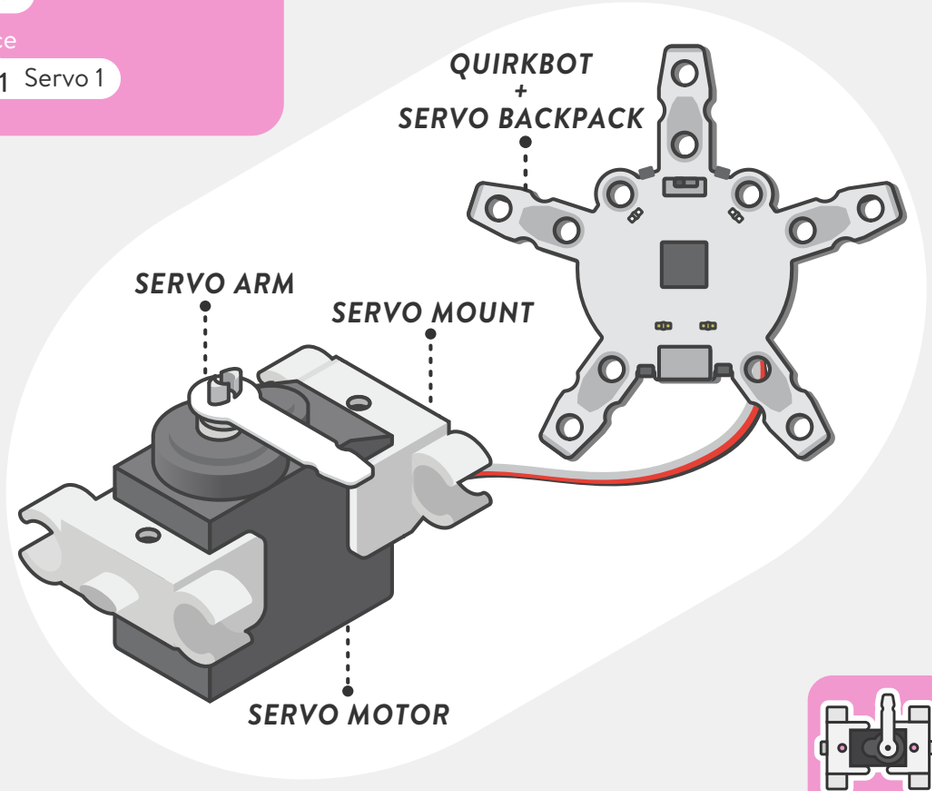


code.strawbees.com

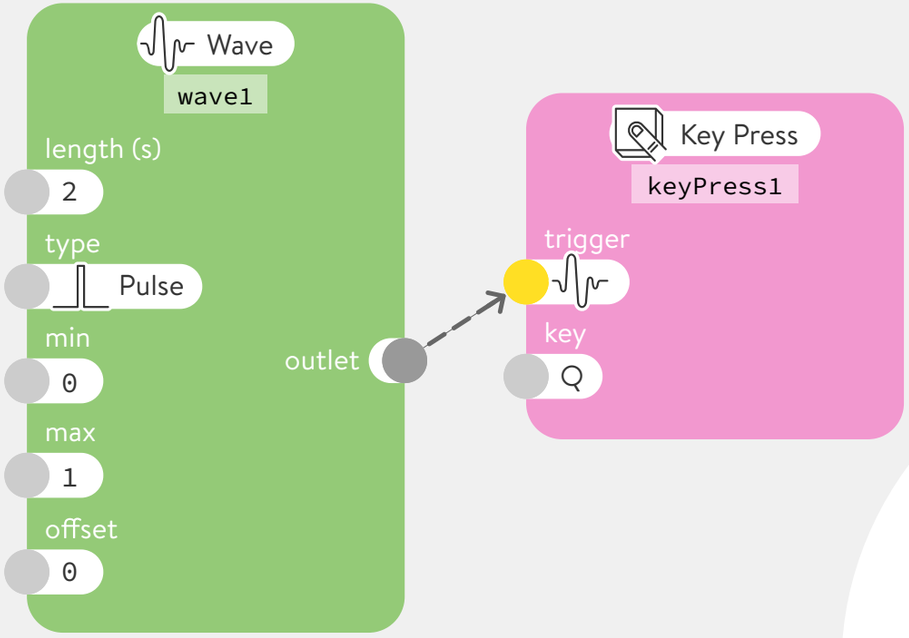
SHAKE



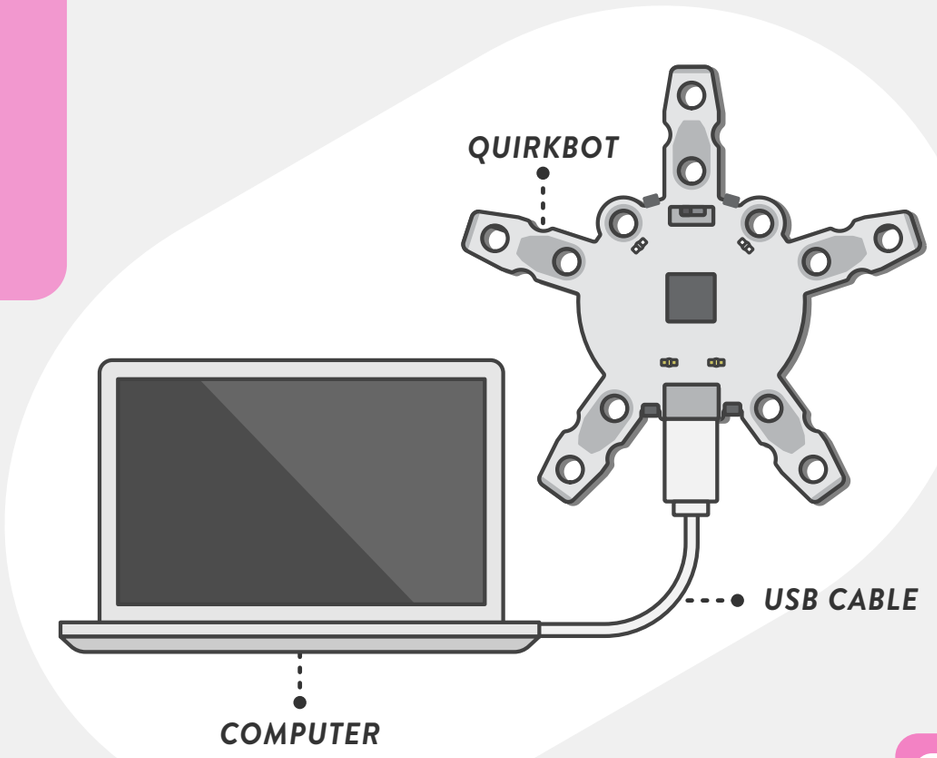
YOU WILL NEED



TYPE KEY OVER AND OVER



YOU WILL NEED



LIGHT TO DIFFERENT MOVEMENTS