ARCADE GAME

100

50

littleBits.cc

POWER

littleBits™

littleBits™ BASICS

1 ANATOMY OF A BIT™
Learn how you can tell top from bottom.

TOP

BITSNAP

BOTTOM

BIT FEET

four on the floor!
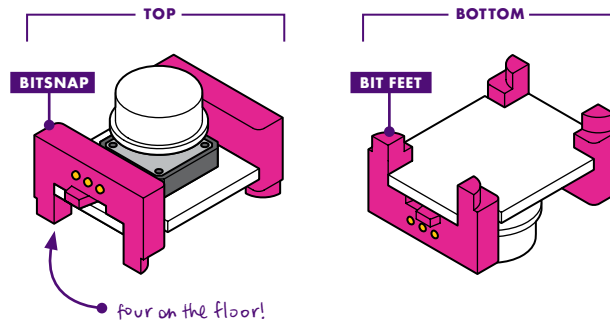
2 COLOR-CODED BY FUNCTION
Bits™ are grouped into four different categories, which are color-coded.

POWER (BLUE)
Power Bits, plus a power supply, run power through your circuit.

WIRE (ORANGE)
Wire Bits connect to other systems and let you build circuits in new directions.

INPUT (PINK)
Input Bits accept input from you or the environment and send signals that affect the Bits that follow.

OUTPUT (GREEN)
Output Bits do something – light up, buzz, move...

3 MAGNET MAGIC!
Bits snap together with magnets. The magnets are always right – you can't snap them together the wrong way.
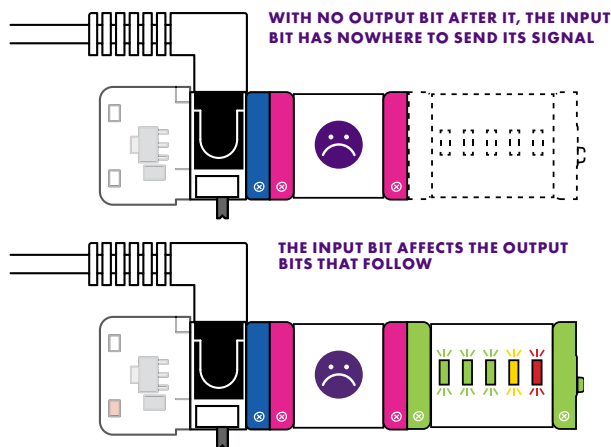
ARROWS SHOULD POINT IN THE SAME DIRECTION

IF THE BITS WON'T SNAP TOGETHER, TRY SPINNING ONE AROUND AND MAKE SURE THE ARROWS POINT IN THE SAME DIRECTION
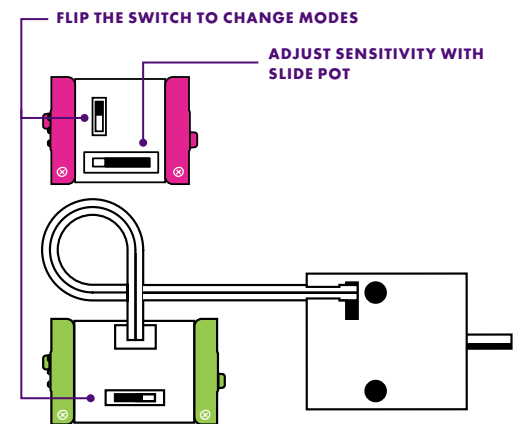
4 ORDER IS IMPORTANT
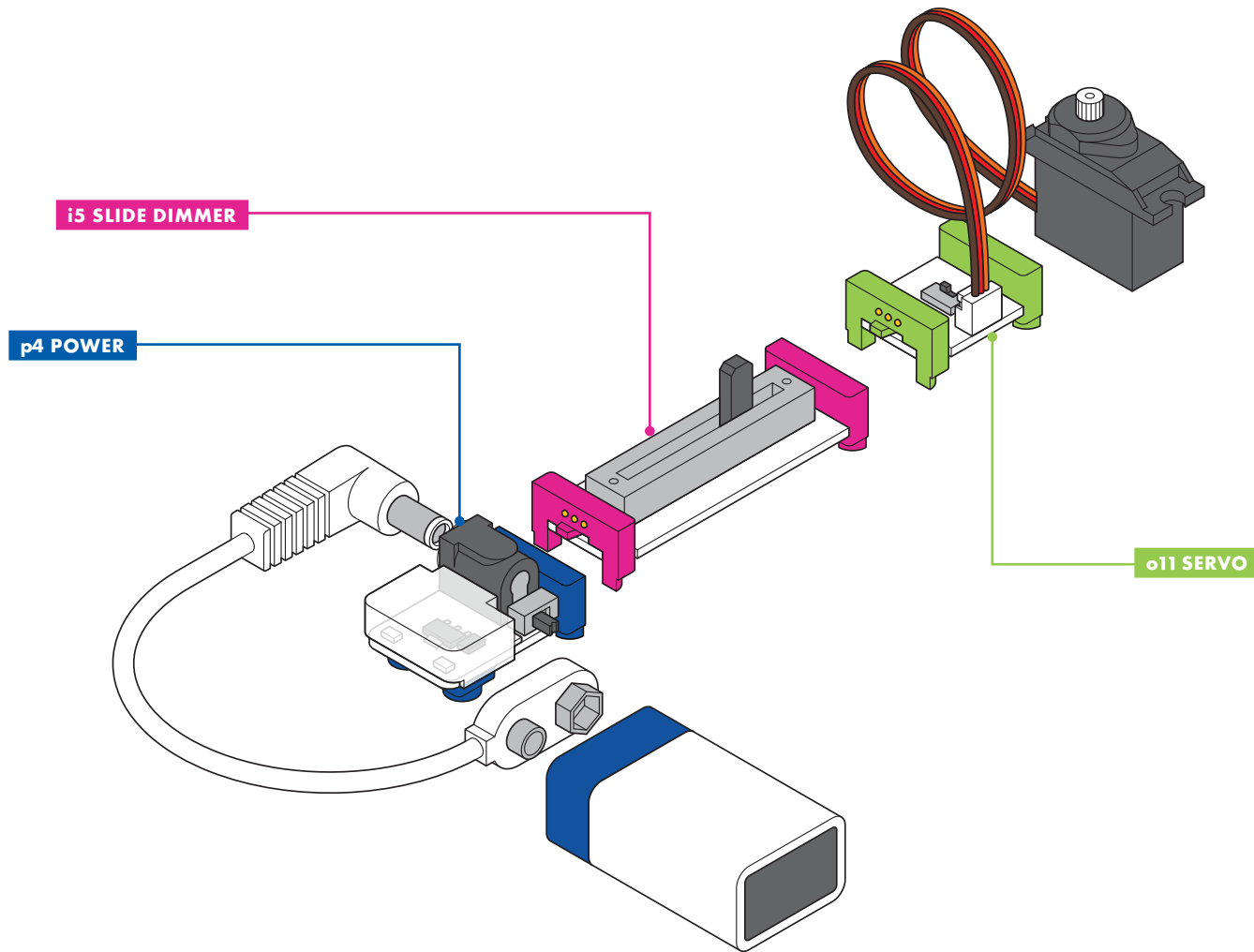**POWER BITS** always come first and **INPUT BITS** only affect the **OUTPUT BITS** that come after them.

WITH NO OUTPUT BIT AFTER IT, THE INPUT BIT HAS NOWHERE TO SEND ITS SIGNAL

THE INPUT BIT AFFECTS THE OUTPUT BITS THAT FOLLOW

5 SOME BITS ARE ADJUSTABLE
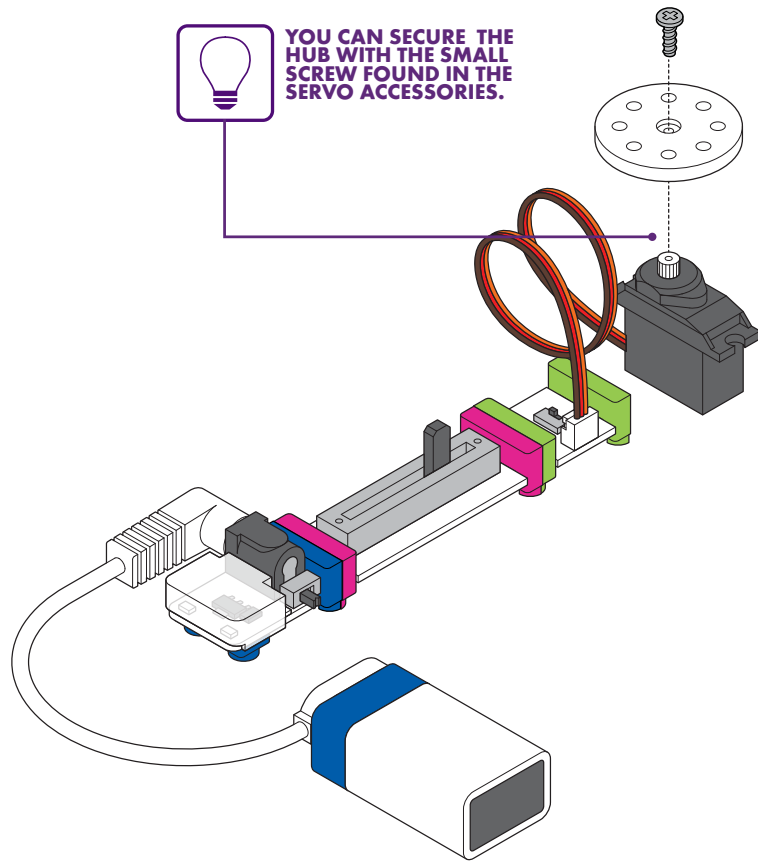Switches, buttons, and dials on the Bit allow you to change how the Bit functions.

FLIP THE SWITCH TO CHANGE MODES

ADJUST SENSITIVITY WITH SLIDE POT

BUILD YOUR CIRCUIT.

i5 SLIDE DIMMER

p4 POWER

o11 SERVO

2 PRESS THE SERVO HUB ONTO THE SERVO.

YOU CAN SECURE THE HUB WITH THE SMALL SCREW FOUND IN THE SERVO ACCESSORIES.

3 PRESS YOUR CIRCUIT ONTO THE MOUNTING BOARD.
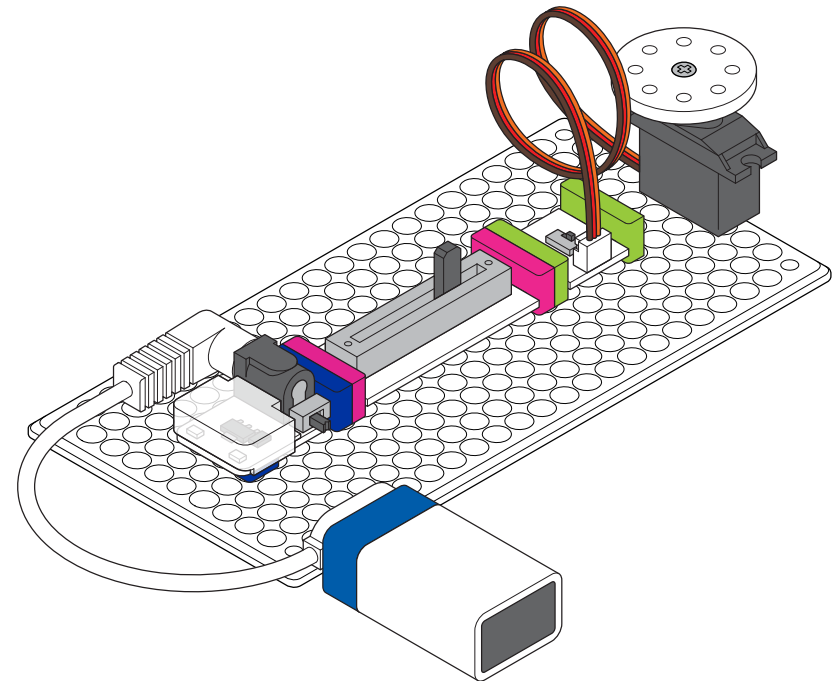
4
SET SERVO TO TURN MODE.

MODE:
TURN
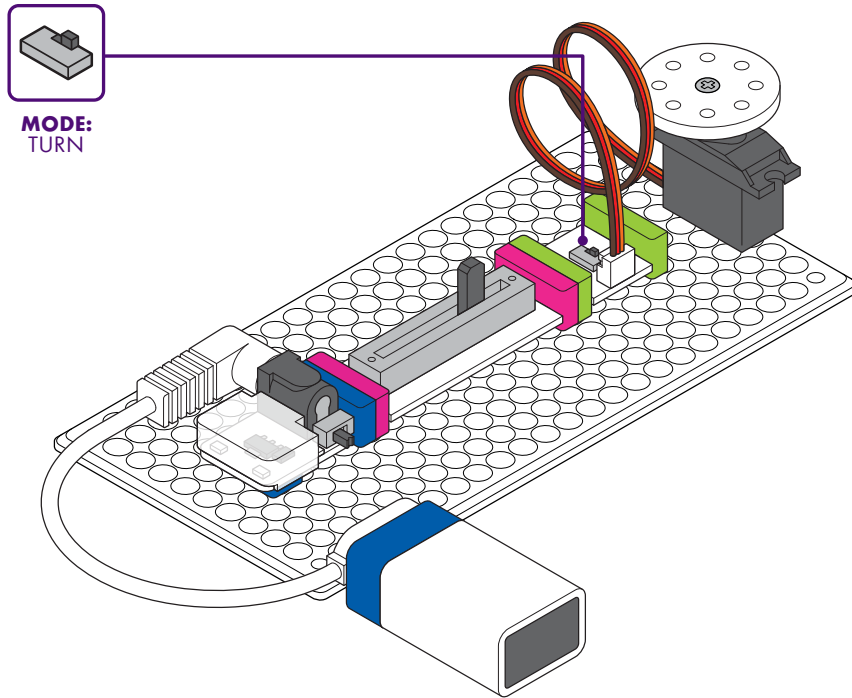
5
POWER ON, AND MOVE THE SLIDE DIMMER TO THE MIDDLE POSITION.
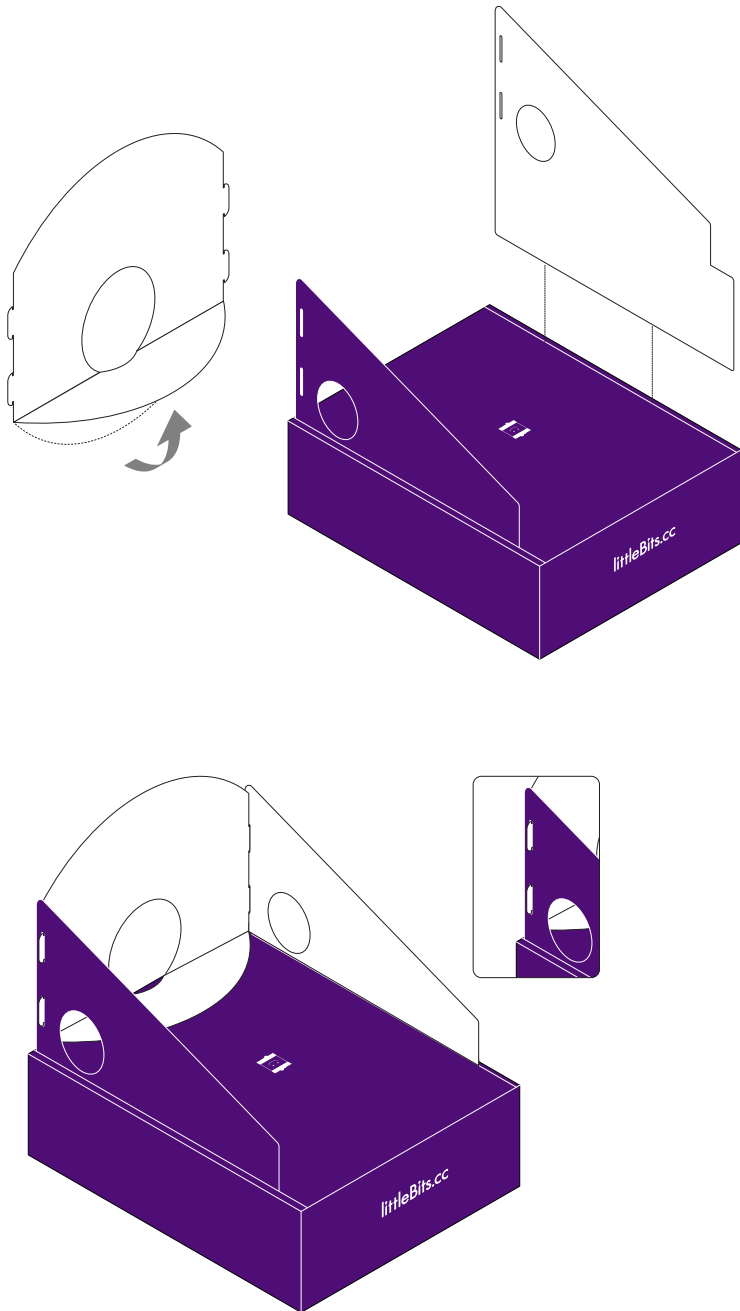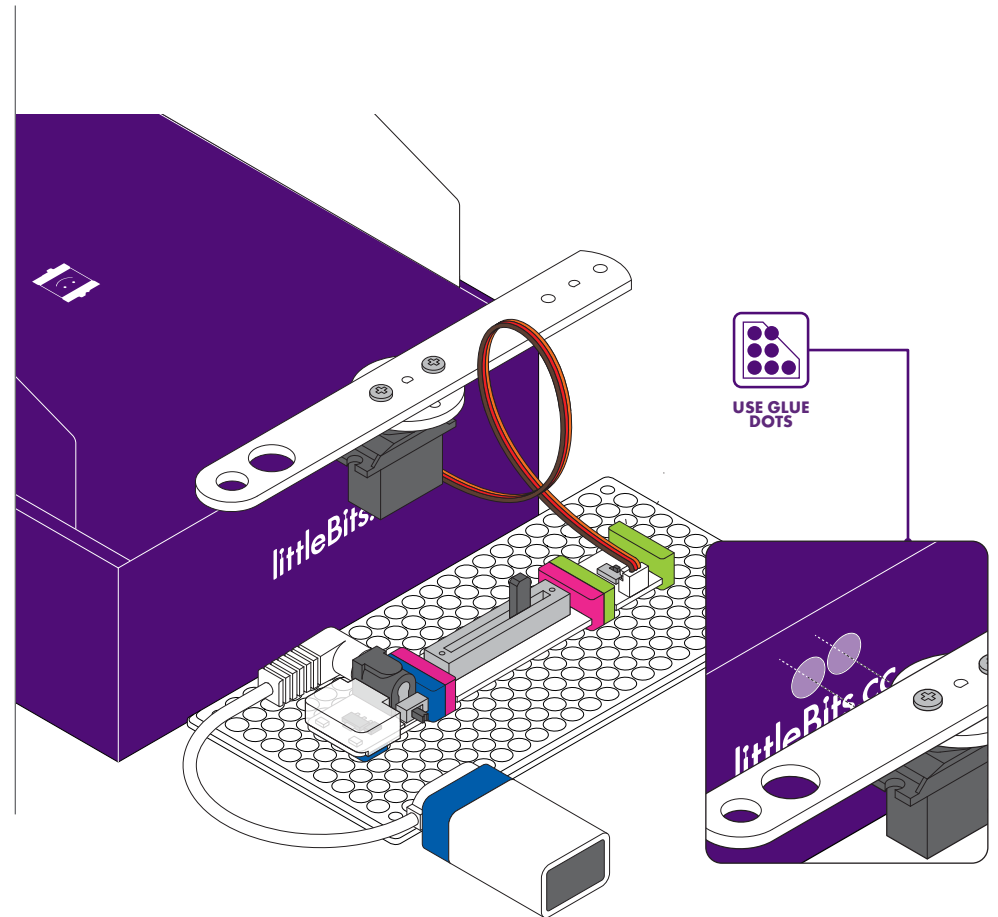
! SLIDE DIMMER MUST BE CENTERED.
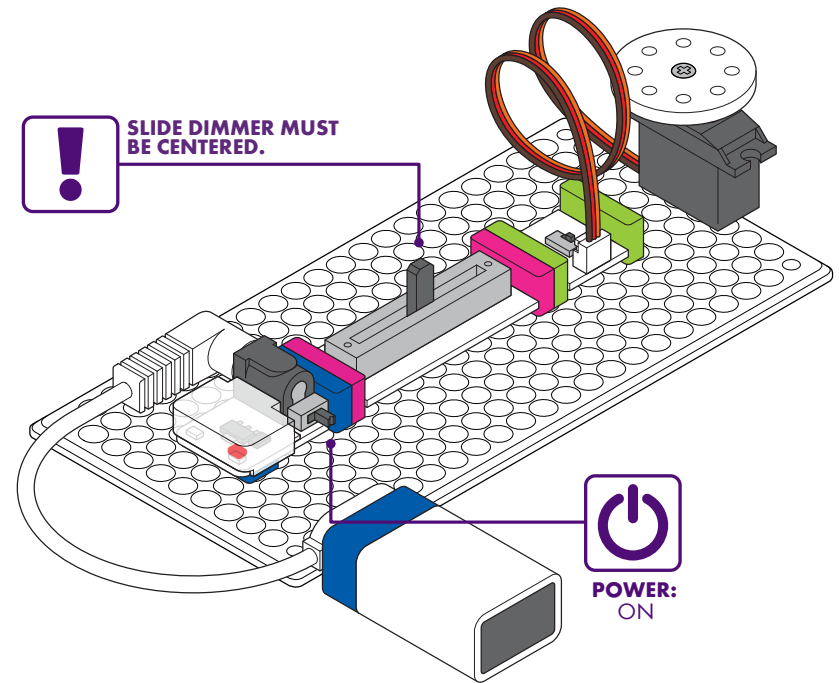
POWER:
ON

6

ATTACH THE MECHANICAL ARM IN THIS POSITION.
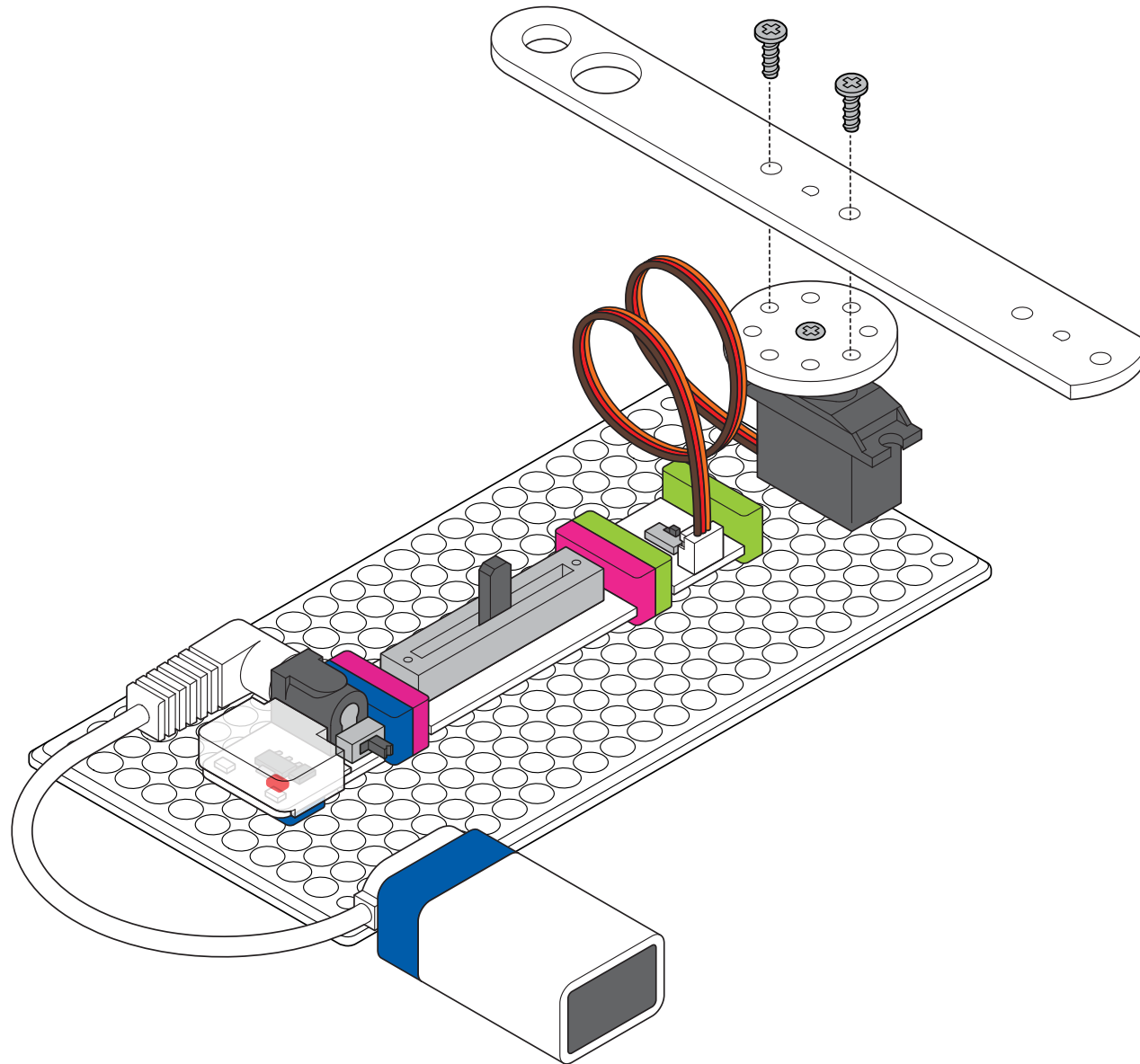
7 ASSEMBLE THE TEMPLATE.

8 ATTACH THE SERVO TO THE KIT BOX. Make sure it is centered.

USE GLUE DOTS

9 **USE THE BALL FROM THE BALL CASTER TO PLAY.**
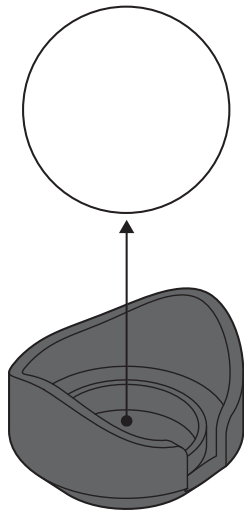
10 **TAKE SOME PRACTICE SWINGS!** Moving the slide dimmer should make the mechanical arm rotate side to side.

POWER:
ON

TEST YOUR CIRCUIT