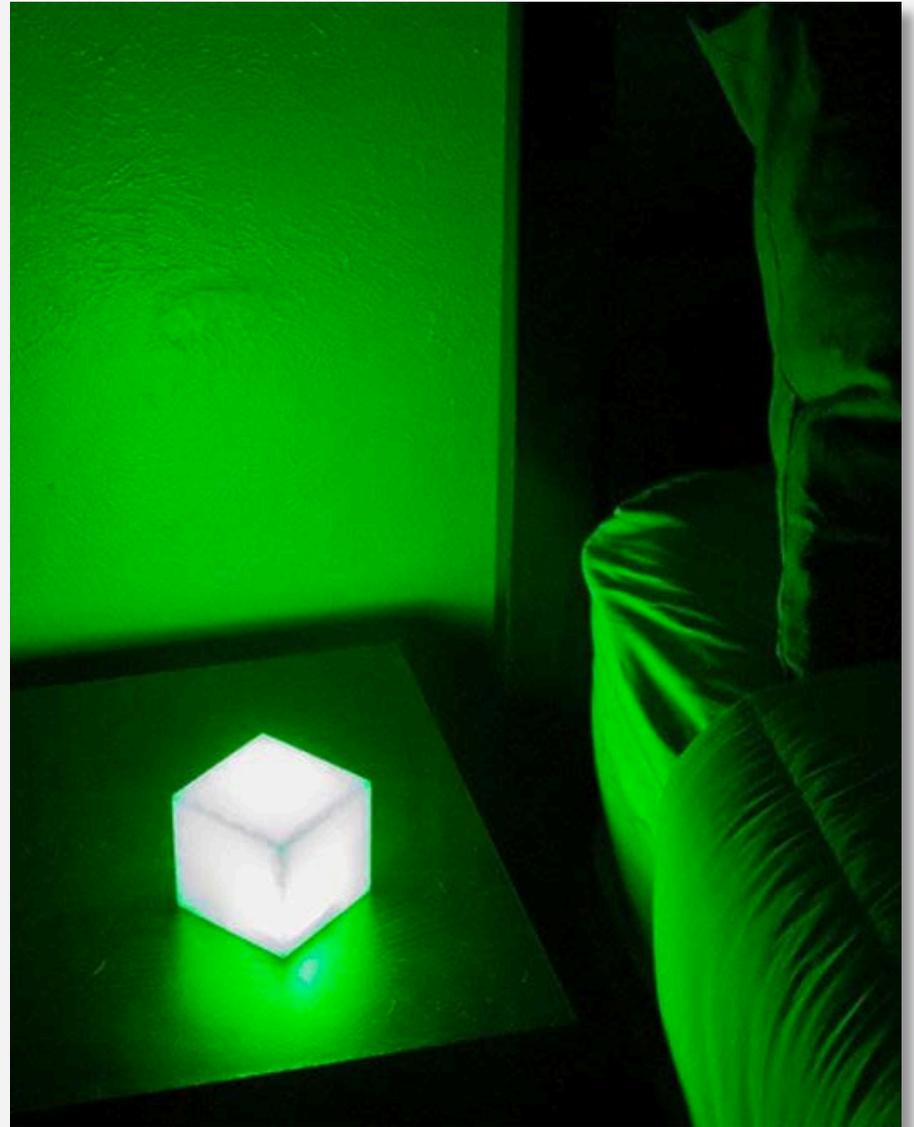


NIGHT LIGHT CUBE

kit instructions

 **KITABLES**

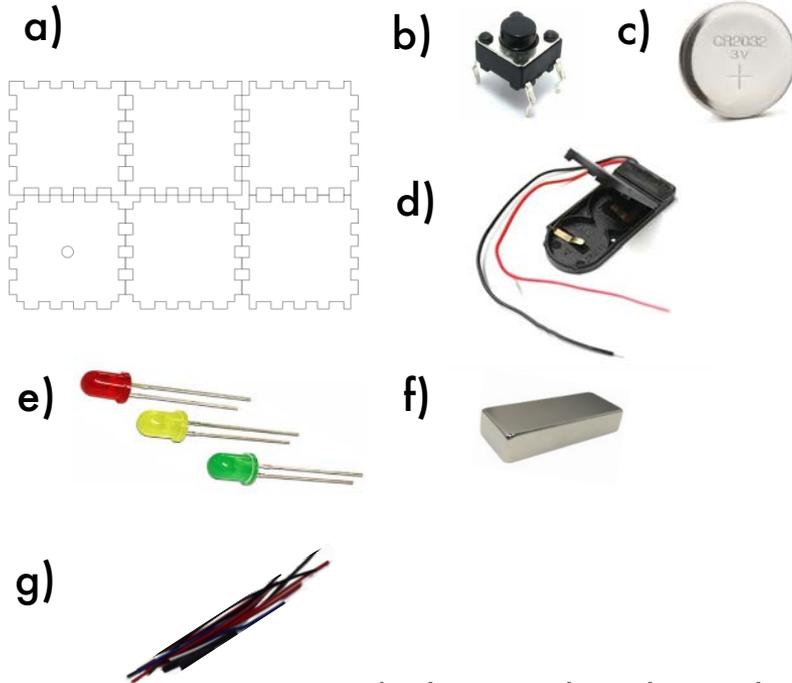


Night Light Cube Kit Instructions



Kit Includes:

- (a) Laser Cut Box
- (b) Momentary Switch
- (c) 2 Coin Batteries
- (d) Battery Holders
- (e) 3 LEDs*
- (f) Magnets
- (g) Wires



*colors vary based on order

Getting Started

- 1) Check your parts list.
- 2) Read through the instructions.
- 3) Gather your tools.
- 4) Glue 5 frame sides.
- 5) Solder your circuit.
- 6) Attach to the inside of box.
- 7) Flip over and light up!

Tools Needed:

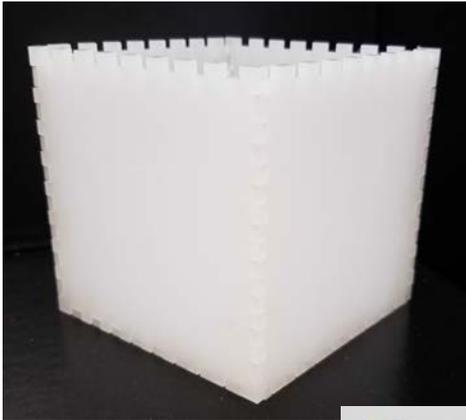
-  Soldering iron
-  Glue gun
-  Wire strippers

Night Light Cube Kit Instructions



Build a box

Using hot glue, secure 5 of the 6 box sides together. Do not glue the "bottom" side which has a hole for the momentary switch.

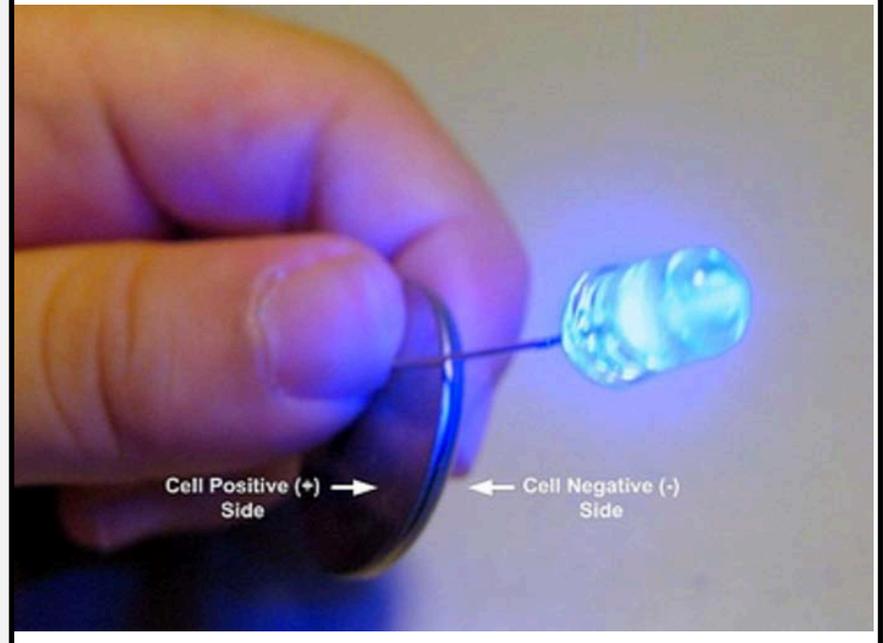
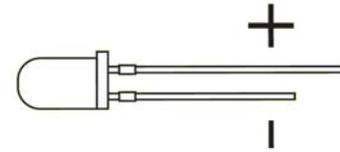


The acrylic comes covered in a brown protective paper, peel this off before you start gluing.



Get Ready to Solder!

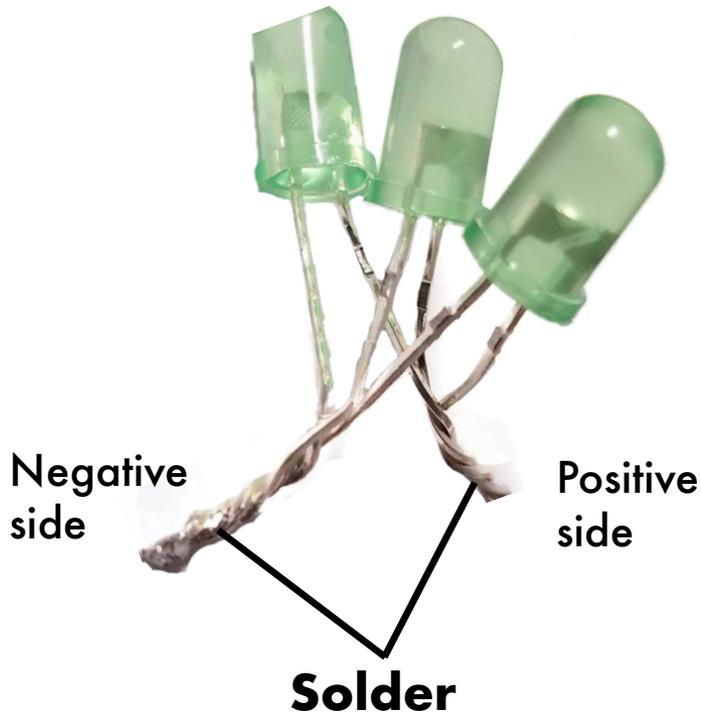
Start with your 3 LEDs. First, determine which LED leg is the positive and which is the negative by holding each leg against a side of the battery. Usually, the longer leg is positive.



Night Light Cube Kit Instructions

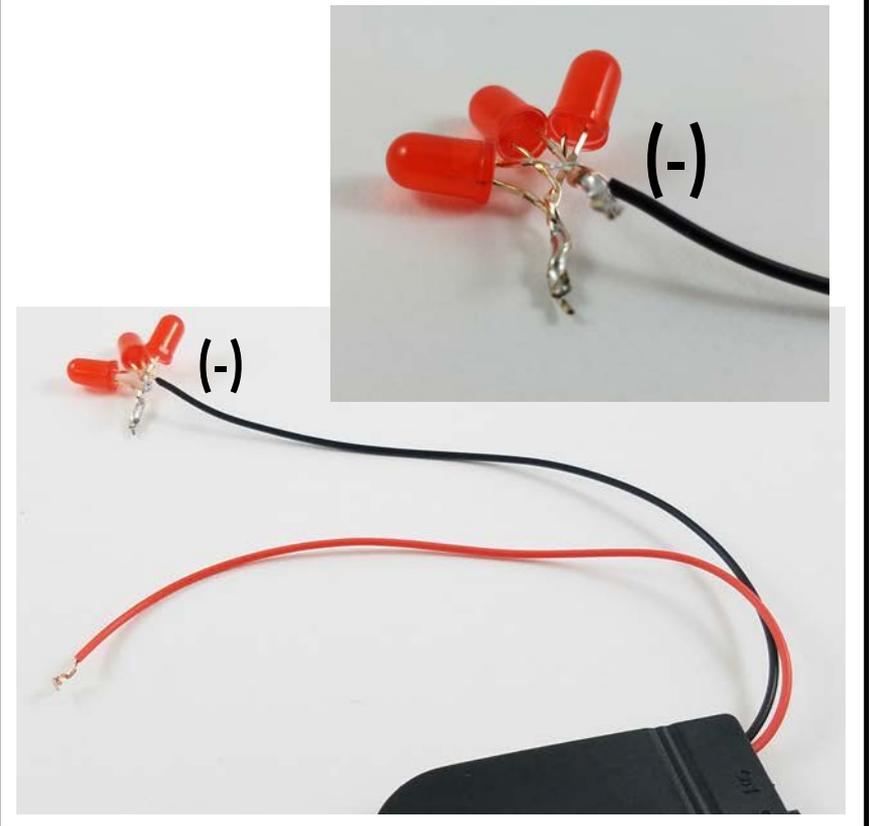


Soldering your 3 LEDs together at their matching legs. You will solder all of the negative legs together, and all of the positive legs together.



Tip: We recommend marking the negative end with a small piece of tape so you can easily identify the side.

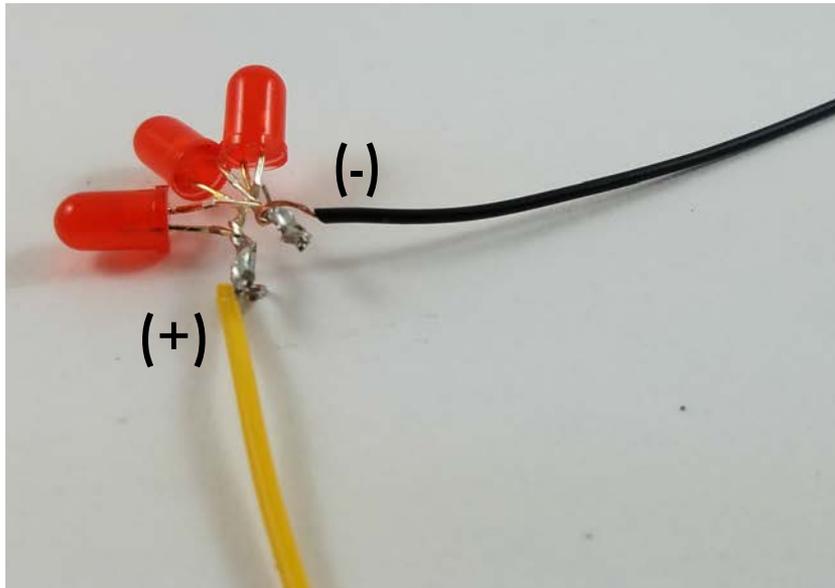
Next attach the black wire from your battery holder to the negative side of your LED group. You will need to strip the battery wire to expose more of the metal. Then you can wrap the metal wire around the negative side of the LED. Solder this connection to keep secure.



Night Light Cube Kit Instructions

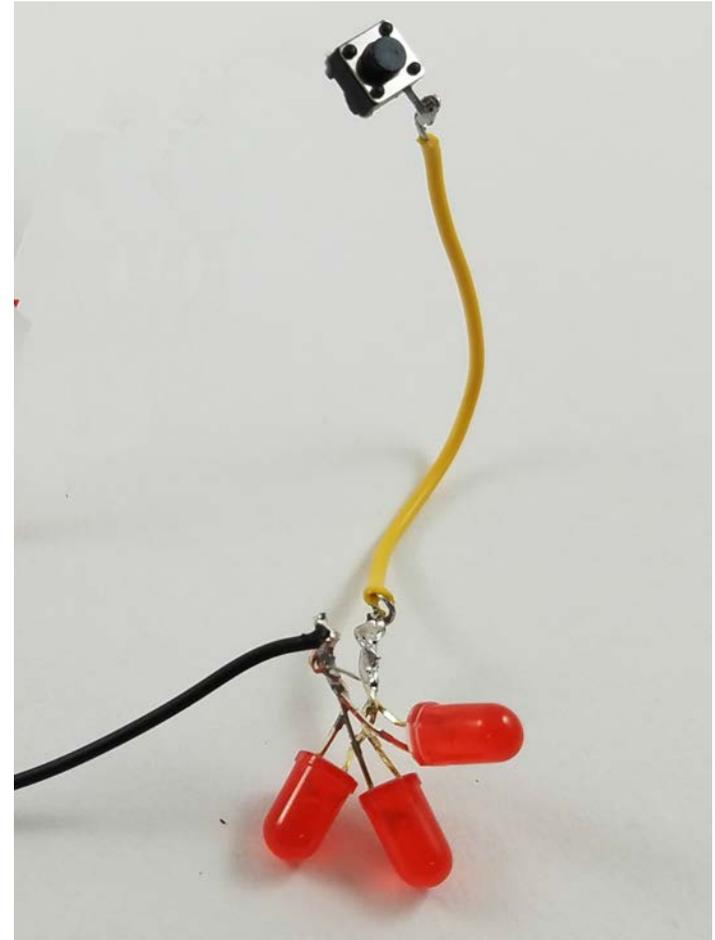


Next attach the spare wire to the other side (positive) of your LED group. You will need to strip the wire to expose more of the metal. Then you can wrap the metal wire around the side of the LED. Solder this connection to keep secure.



*Wire color may vary.

Attach the wire from your LED group to one leg of the switch. You can wrap this around the leg and then solder the connection for security.



Night Light Cube Kit Instructions



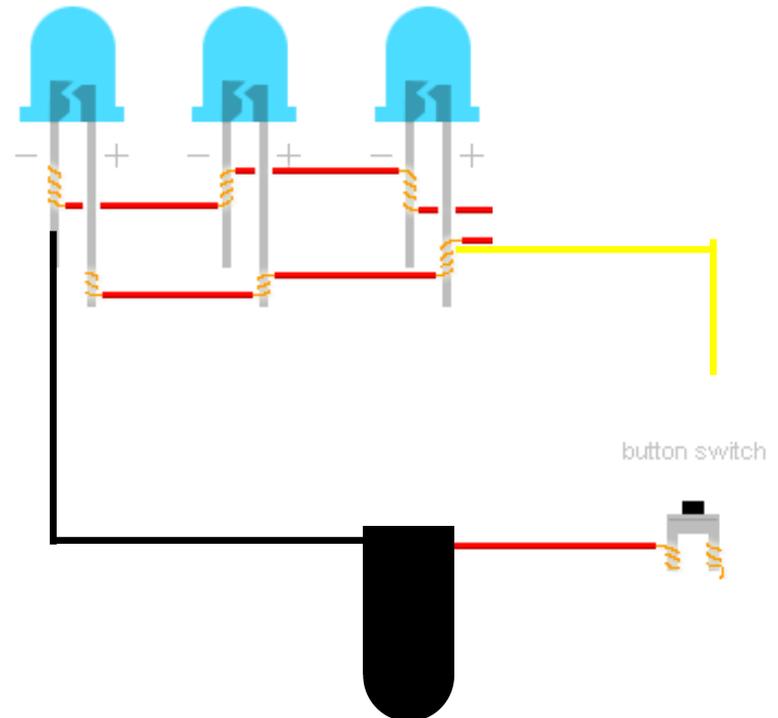
Next, attach the red wire from the battery holder to the OPPOSITE corner of the switch. It does not matter which corners you attach these wires as long as they are opposing.



Tip: We recommend folding down the switch legs you will not use to keep them out of the way.



Final Wiring Diagram

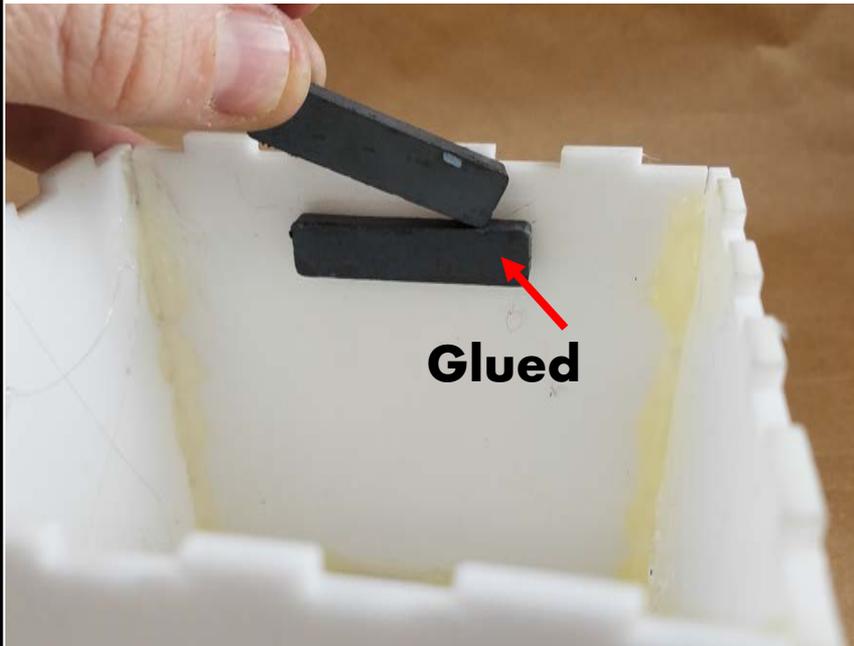


Night Light Cube Kit Instructions

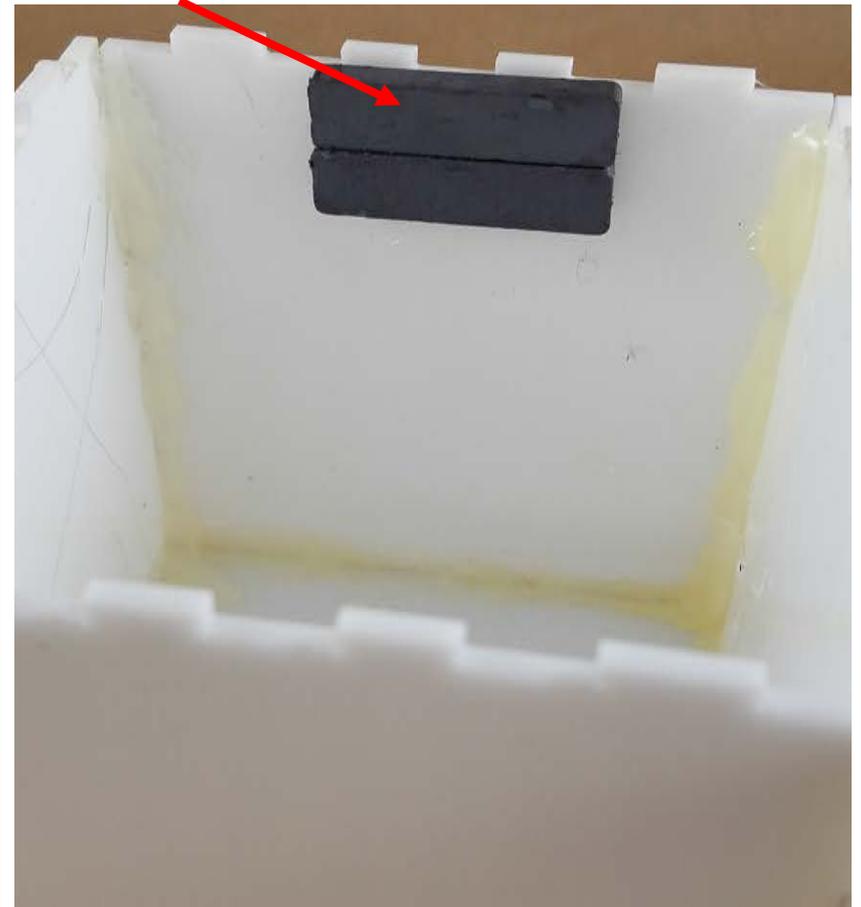


Closing the box

The two magnets are used to keep the night light closed but allows you to access the circuit to change the battery. Glue 1 magnet to the inside of the cube. It should be placed slightly below the top edge of the box (valley of the finger joint) to leave room for the magnet on the lid.



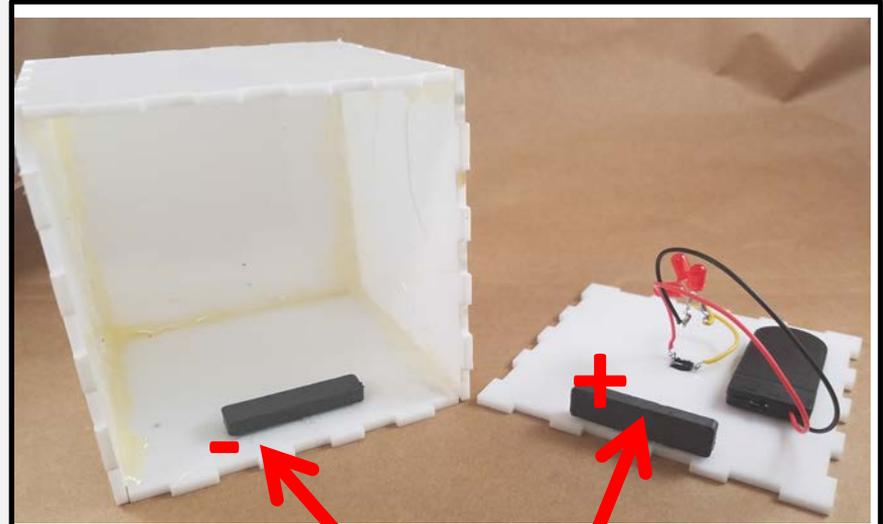
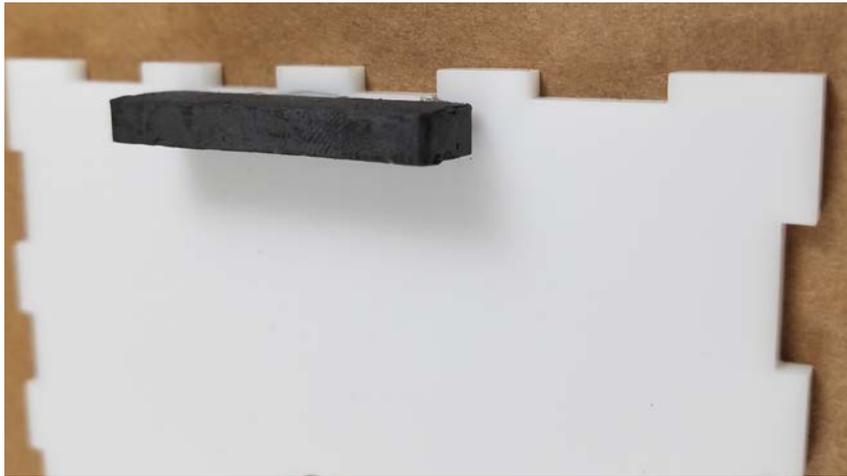
NOT Glued...just for guidance



Night Light Cube Kit Instructions



Glue remaining magnet to the inside of the "lid" or the side with components. Be sure to place magnet so it will align with the magnet inside the cube.



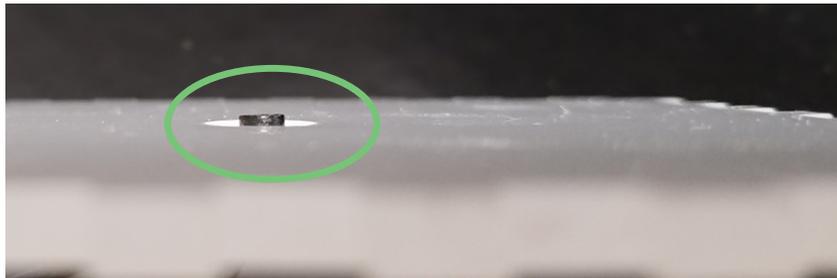
NOTE!! Magnets are polarized, check that you face the magnets so they are attracted to each other and do not repel each other.

Night Light Cube Kit Instructions



Attaching circuit

With the remaining box side (the side with the hole), insert square shaped switch into the round center hole. It should fit snugly with the tension from the switch corners. We do not recommend adding glue as it can freeze up the switch. The switch button should extend beyond the plane of the side face. We recommend using pliers to gently push the switch through the hole.



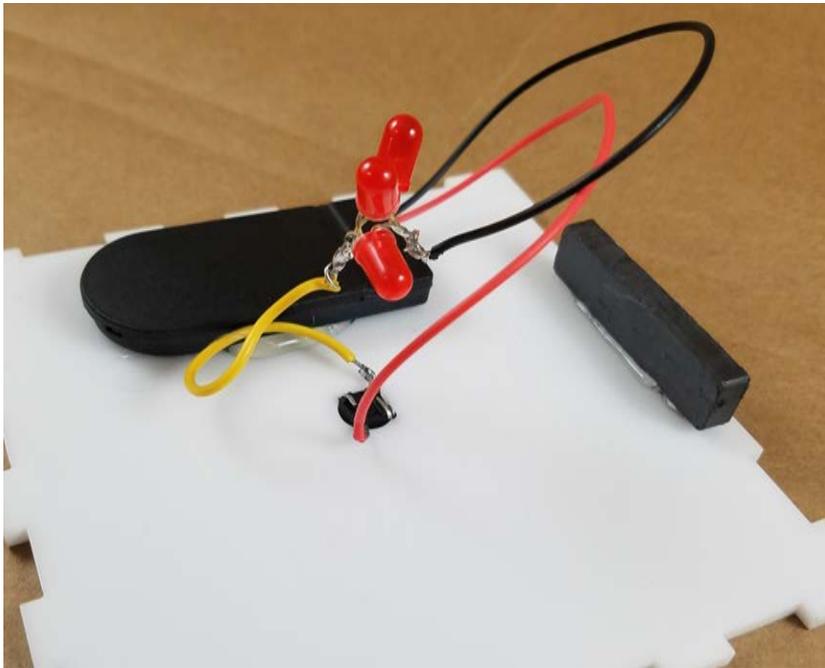
Apply glue to the bottom of the battery holder and glue it next to the switch. You want the holder accessible to change out batteries.



Night Light Cube Kit Instructions



You can glue down any wires as you see fit. This can help insulate them from contact with each other. Just beware not to glue the switch!



Insert batteries into holders. Turn on the internal switch on the battery holder. Close up box (magnets should stick) and flip over. Light turns on when weight is placed on switch.



Night Light Cube Kit Instructions



Customize your light by adding silhouettes or shapes to the inside of the cube. These can be lightly glued or placed against the inside.



You have now completed a Kitables Kit! If you have questions, check out our FAQ at [Kitables.co](https://www.kitables.co) or email us at info@kitables.co

As we get better at this, our instructions are constantly being updated. If you're having problems with the build, send us an email and we can help out!